

Integrated Bibliography

The AMERICAN Heritage® Dictionary of the English Language (2000). In W. Morris (Eds.), pp. 2074). Available from <http://dictionary.reference.com/browse/framework>

AUSTRALIAN flexible learning framework: flexible learning and the national strategy for vocational education and training 2004-2010. (2003). Australian National Training Authority.

Looking at the world's most effective policies for the e-economy: driving the UK into the future (2003). *Strategic Direction*, 19(3), 33-35.

PBLE: a guide to learning engineering through projects (2003). Available from <http://www.pble.ac.uk/pble-guide-final.pdf>

Cases of institutional transformation. (2006). *Journal of Asynchronous Learning Networks*, 10(2-4), 45-51.

Factors affecting teachers' adoption of educational computer games: A case study, 41 256-270 (Wiley-Blackwell 2010).

Abbad, M. M., Morris, D., & De Nahlik, C. (2009). Looking under the bonnet: factors affecting student adoption of e-learning systems in Jordan. *Journal*, 10(2). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/596/1232>

Abdal-Haqq, I. (1995). Infusing technology into preservice teacher education. *Journal*, (ED389699). Retrieved from http://www.eric.ed.gov/ERICDocs/data/ericdocs2sql/content_storage_01/0000019b/80/14/48/1e.pdf

Abd-El-Fattah, S. M. (2010). Garrison's model of self-directed learning: preliminary validation and relationship to academic achievement. *The Spanish Journal of Psychology*, 13(2), 586-596.

Abdous, M. h., & He, W. (2009). Using text mining to uncover students' technology-related problems in live video streaming. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/122473189/PDFSTART>. doi:10.1111/j.1467-8535.2009.00980.x

Abouchedid, K., & Eid, G. M. (2004). E-learning challenges in the Arab world: revelations from a case study profile. *Quality Assurance in Education*, 12(1), 15-27.

Abrahamson, D., Blikstein, P., & Wilensky, U. (2007). *Classroom model, model classroom: computer-supported methodology for investigating collaborative-learning pedagogy*. Paper presented at the Computer Supported Collaborative Learning (CSCL) Conference. Retrieved 15 March 2009, from <http://ccl.northwestern.edu/research/conferences/CSCL2007/CSCL2007.html>

Abrami, P. C., Bernard, R. M., Wade, A., Schmid, R. F., Borokhovski, E., Tamim, R., et al. (2006). A review of e-learning in Canada: a rough sketch of the evidence, gaps and promising directions. *Journal*, 32(3). Retrieved from <http://www.cjlt.ca/index.php/cjlt/article/view/27/25>

- Abrioux, D. (2008). *Structural framework for higher education open and distance learning in Papua New Guineau*. Vancouver: Commonwealth of Learning.
- Aceto, S., Balanskat, A., Blamire, R., Delrio, C., Dondi, C., Fischer, T., et al. (2007). *Helios yearly report 2007*. Brussels: European e-Learning Observation System: Observing, Foresighting & Reporting.
- Aceto, S., Delrio, C., Dondi, C., Fischer, T., Kastis, N., Klein, R., et al. (2007). *e-Learning for innovation: Executive summary: Helios yearly report 2007*: European e-Learning Observation System.
- Aceto, S., & Dondi, C. (2010). Vision for learning in Europe in 2025. *Journal*, 18. Retrieved from www.elearningpapers.eu
- Achuonye, K. A., & Ezekoka, G. K. (2011). Technophobia among female undergraduate students: a challenge to attainment of the MDGs in Nigeria. *British Journal of Educational Research*, 1(1), 49-57.
- Aczel, J., & Hardy, P. (2007). *Modelling the impact of university ICT strategies on learning*. Paper presented at the Computer Assisted Learning (CAL '07). Retrieved 24 July 2011, from http://oro.open.ac.uk/12566/1/Presentation_v5.pdf
- Adam, L. (2003). Information and communication technologies in higher education in Africa: initiatives and challenges. *Journal of Higher Education in Afrifca/RESA*, 1(1), 195–221.
- Adeyoyin, S. O. (2005). Information and communication technology (ICT) literacy among the staff of Nigerian university libraries. *Library Review*, 54(4), 257-266.
- Admiraal, W. F., Lockhorst, D., Wubbels, T., Korthagen, F. A. J., & Veen, W. (1997). *Computer-mediated communication in teacher education: computer conferencing and the supervision of student teachers*. Paper presented at the Biennial meeting of the European Association for Research on Learning and Instruction. Retrieved 10 November 2011, from http://www.ilo.uva.nl/homepages/wilfried/docs/LER_1998_Reflect.pdf
- Adomi, E. E., & Anie, S. O. (2006). An assessment of computer literacy skills of professionals in Nigerian university libraries. *Library Hi Tech News*, 2, 10-14.
- AECT. (2001). The nature of attitudes. In AECT (Ed.), *The handbook of research for educational communications and technology*. Bloomington, IN: AECT.
- AECT. (s.a.). What is AECT? Retrieved 15 March, 2009, from <http://www.aect.org/About/default.asp>
- Aguti, J. N., & Fraser, W. J. (2006). Integration of information communication technologies (ICTs) in the distance education Bachelor of Education Programme, Makerere University, Uganda. *Journal*, 7(3). Retrieved from <http://cees.mak.ac.ug/sites/default/files/publications/Aguti2.pdf>
- Agyei, D. D., & Voogt, J. M. (2011). Exploring the potential of the will, skills, tool model in Ghana: predicting prospective and practicing teachers' use of technology. *Computers & Education*, 56(1), 91-100.

- Ajzen, I., & Fishbein, M. (1980). *Understanding attitudes and predicting social behavior*. Englewood Cliffs, NJ: Prentice-Hall.
- Ajzen, I., & Fishbein, M. (2005). The influence of attitudes on behavior. In D. Albarracín, B. T. Johnson & M. P. Zanna (Eds.), *The handbook of attitudes* (pp. 173-221). Mahwah, NJ: Erlbaum.
- Akaichi, J. (2007). E-learning data warehouse maintenance system for collaborative learning availability resources optimization. *International Journal of Education and Development using Information and Communication Technology*, 3(3), 16-29.
- Akbari, M., Böhm, G., & Schroeder, U. (2010, 5-7 July). *Enabling communication and feedback in mass lectures*. Paper presented at the 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), Sousse, Tunisia.
- Akilli, G. K. (s.a.). Draft: design based research vs. mixed methods: the differences and commonalities. Retrieved 20 November, 2008, from http://it.coe.uga.edu/itforum/paper110/Akilli_DBR_vs_MM_ITForum.pdf
- Akkoyunlu, B., & Soyulu, M. Y. (2008). A study of student's perceptions in a blended learning environment based on different learning styles. *Educational Technology & Society*, 11(1), 183-193.
- Akoatearoa. (2008). *Taking the lead: strategic management for e-learning*: National Centre for Tertiary teaching Excellence.
- Akoojee, S. (2008). Private technical and vocational education and training (TVET) and national development: the South African reality. *International Journal of Educational Development*, 28(6), 764–765.
- Aksit, N. (2007). Educational reform in Turkey. [doi: DOI: 10.1016/j.ijedudev.2006.07.011]. *International Journal of Educational Development*, 27(2), 129-137.
- Aksu, M., Demir, C. E., Daloglu, A., Yildirim, S., & Kiraz, E. (2010). Who are the future teachers in Turkey? Characteristics of entering student teachers. *International Journal of Educational Development*, 30(1), 91–101.
- Akyol, Z., & Garrison, D. R. (2010). Understanding cognitive presence in an online and blended community of inquiry: assessing outcomes and processes for deep approaches to learning. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123271700/PDFSTART>. doi:10.1111/j.1467-8535.2009.01029.x
- Akyol, Z., Garrison, D. R., & Ozden, M. Y. (2009). Online and blended communities of inquiry: exploring the developmental and perceptual differences *The International Review of Research in Open and Distance Learning*, 10(6).
- Alam, M. J. B., Kabir, S. M. L., & Elizabeth, H. (2006). *E-learning in Bangladesh: implementation and evaluation of a pilot project* Paper presented at the Conference on Methods, Materials and Tools for Programming Education. Retrieved 5 February 2009, from http://www.codewitz.net/papers/MMT_77-82_e-Learning_in_Bangladesh.pdf
- Albirini, A. (2006). Teachers' attitudes toward information and communication technologies: the case of Syrian EFL teachers. *Computers & Education*, 47(4), 373-398.

- Albirini, A. (2007). The crisis of educational technology, and the prospect of reinventing education. *Educational Technology & Society*, 10(1), 227-236.
- Aldridge, J., Fraser, B., & Ntuli, S. (2009). Utilising learning environment assessments to improve teaching practices among in-service teachers undertaking a distance-education programme. *South African Journal of Education*, 29(2), 147-170.
- Alessi, S. M., & Trollip, S. R. (2001). *Multimedia for learning: Methods and developments* (3rd ed.). Boston: Ally and Bacon.
- Al-Fahad, F. N. (2009). Students' attitudes and perceptions towards the effectiveness of mobile learning in King Saud University, Saudi Arabia. *The Turkish Online Journal of Educational Technology*, 8(2).
- Alfaro, J., Delrio, C., Dima, G., Dondi, C., Fischer, T., Kastis, N., et al. (2005). *Understanding change, adapting to change, shaping the future: change drivers, trends & core tensions for European learning systems & educational policies*. Brussels: LEONIE: Learning in Europe: Observatory on National and International Evolution.
- Al-Harhi, A. S. (2005). Distance higher education experiences of Arab Gulf students in the United States: a cultural perspective *Journal*, 6(3), 1-14. Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/263/840>
- Ali, D. F., & Nordin, M. S. (2011). Gender issues in virtual reality learning environments. *Journal of Edupres*(1), 65-76.
- Allen, E., & Seaman, J. (2007). *Online nation: five years of growth in online learning*: Sloan Consortium.
- Allen, E., Seaman, J., & Garrett, R. (2007). *Blending in: the extent and promise of blended education in the United States*. Needham, MA: Sloan Consortium.
- Allen, H. C. (2005). Bringing the generations together: support from learning theory. *Christian Education Journal*, 2(2), 319-333.
- Allen, I. E., & Seaman, J. (2010). *Learning on demand: online education in the United States, 2009*: Babson College.
- Allen, I. E., & Seaman, J. (2011). *Going the distance: online education in the United States, 2011*: Babson Survey Research Group.
- Allen, I. E., & Seaman, J. (2006). *Making the grade: online education in the United States, 2006*. Needham, MA: Sloan-C.
- Allen, M. (2003). *Eight questions on teacher preparation: what does the research say? A summary of the findings*. Denver: Education Commission of the States.
- Alluri, K., & Zachmann, R. (Eds.). (2008). *Technology-mediated open and distance education for agricultural education and improved livelihoods in sub-Saharan Africa: country case studies*. Vancouver: Commonwealth of Learning.
- Ally, M. (2004). Foundations of Educational Theory for Online Learning. In T. Anderson & F. Elloumi (Eds.), *Theory and Practice of Online Learning* (pp. 3-31). Athabasca: Athabasca University.

- Ally, M. (Ed.). (2009). *Mobile learning: transforming the delivery of education and training*. Edmonton, AB: AU Press.
- Almeida, H., Perkusich, A., Morais, M., & Lima, A. M. N. (2006). *A training program for mobile technology: the first year of the embedded academy project*. Paper presented at the Conference on Methods, Materials and Tools for Programming Education. Retrieved 5 February 2009, from http://www.codewitz.net/papers/MMT_71-76_HygoAlmeida.pdf
- Al-Mobaideen, H. O. (2009, 13-14 July). *ICT diffusion in Jordanian universities*. Paper presented at the European and Mediterranean Conference on Information Systems (EMCIS2009), Izmir.
- Alonso, F., Manrique, D., & Viñes, J. M. (2009). A moderate constructivist e-learning instructional model evaluated on computer specialists. *Computers & Education*, 53(1), 57-65.
- Alotaibi, S. (2010). *Semantic web technologies for digital libraries: from libraries to Social Semantic Digital Libraries (SSDL), over Semantic Digital Libraries (SDL)*. Paper presented at the 4th Saudi International Conference. Retrieved 11 November 2011, from http://eprints.ecs.soton.ac.uk/21459/9/sic2010_submission_118_-_Complete.pdf
- Al-Senaidi, S., Lin, L., & Poirot, J. (2009). Barriers to adopting technology for teaching and learning in Oman. *Computers & Education*, 53(3), 575-590.
- Alvarez, G. (2009). How mobile e-commerce should be using context, but isn't. *Context-aware computing: the future is now*. Retrieved 30 May, 2010, from <http://my.gartner.com/portal/server.pt?open=512&objID=260&mode=2&PageID=3460702&resId=1185816&ref=QuickSearch&stkw=%22Mobile+E+Commerce%22+%22Using+Context%22>
- Alvarez, G., & Clark, B. (2010). Top trends in e-commerce and the 2010 e-commerce magic quadrant (Gartner Webinar). Retrieved 18 July, 2010, from http://www.gartner.com/it/content/1367900/1367915/june_16_ecommerce_galvarez_wclark.pdf
- Alvarez, R. (2002). Confessions of an information worker: a critical analysis of information requirements discourse. [doi: DOI: 10.1016/S1471-7727(01)00012-4]. *Information and Organization*, 12(2), 85-107.
- Amabile, T., Conti, R., Coon, H., Lazenby, J., & Herron, M. (1996). Assessing the work environment for creativity. *Academy of Management Journal*, 39(5), 1154-1184.
- Amabile, T. M., Barsade, S. G., Mueller, J. S., & Staw, B. M. (2005). Affect and creativity at work. *Administrative Science Quarterly*, 50(3), 367-403.
- American Federation of Teachers. (2000). Resolution on teacher education and teacher quality. *Biennial AFT Convention*. Retrieved 29 November, 2009, from <http://archive.aft.org/topics/teacher-quality/>
- American Federation of Teachers. (2003). *Where we stand: teacher quality*. Washington, DC: American Federation of Teachers, AFL-CIO (AFT).

- American Federation of Teachers. (2009). *Guide to educational resources 2009-10*. Washington, DC: American Federation of Teachers, AFL-CIO (AFT).
- Amhag, L., & Jakobsson, A. (2009). Collaborative learning as a collective competence when students use the potential of meaning in asynchronous dialogues. [doi: DOI: 10.1016/j.compedu.2008.11.012]. *Computers & Education*, 52(3), 656-667.
- Anandarajan, M., Igbaria, M., & Anakwe, U. P. (2002). IT acceptance in a less-developed country: a motivational factor perspective. *International Journal of Information Management*, 22(1), 47-65.
- Ancori, B., Bureth, A., & Cohendet, P. (2000). The economics of knowledge: the debate about codification and tacit knowledge. *Industrial and Corporate Change*, 9(2), 255-287.
- Anderson, A. A. (1996). Predictors of computer anxiety and performance in information systems. *Computers in Human Behavior*, 12(1), 61-77.
- Anderson, G. J., & Arsenault, N. (1998). *Fundamentals of educational research*. Chicago: Routledge.
- Anderson, J., & Van Weert, T. (Eds.). (2002). *Information and communication technology in education: a curriculum for schools and programme of teacher development*. Paris: UNESCO.
- Anderson, M., Maier, L., & Shepard, M. (2010). Scepticism to success: meeting critical workforce needs through innovation and collaboration. *Journal of Asynchronous Learning Networks*, 14(3), 60-67.
- Anderson, R. E. (2008). Implications of the information and knowledge society for education. In J. Voogt & G. Knezek (Eds.), *International Handbook of Information Technology in Primary and Secondary Education* (pp. 3-22). New York: Springer.
- Anderson, T. (2004). Toward a Theory of Online Learning. In T. Anderson & F. Elloumi (Eds.), *Theory and Practice of Online Learning* (pp. 33-60). Athabasca: Athabasca University.
- Anderson, T. (2007). *Research models for connectivist learning*. Paper presented at the Online Connectivism Conference. Retrieved 5 July 2009, from <http://ltc.umanitoba.ca/wiki/Anderson>
- Anderson, T., & Elloumi, F. (2004). Introduction. In T. Anderson & F. Elloumi (Eds.), *Theory and Practice of Online Learning* (pp. xiii-xxiv). Athabasca: Athabasca University.
- Anderson, T., & Elloumi, F. (Eds.). (2004). *Theory and practice of online learning*. Athabasca: Athabasca University.
- Anderson, T., & Garrison, D. R. (1998). Learning in a networked world: new roles and responsibilities. In C. Gibson (Ed.), *Distance Learners in Higher Education: Institutional responses for quality outcomes* (pp. 97-112). Madison, WI: Atwood.
- Anderson, T., Rourke, L., Garrison, D. R., & Archer, W. (2001). Assessing teaching presence in a computer conferencing context. *Journal of Asynchronous Learning Networks*, 5(2), 1-17.

- Anderson, T., Varnhagen, S., & Campbell, K. (1998). Faculty adoption of teaching and learning technologies: contrasting earlier adopters and mainstream faculty. *Canadian Journal of Higher Education, 28*(2,3), 71-98.
- Anderson, T., & Whitelock, D. (2004). The educational semantic web: visioning and practicing the future of education. *Journal, (1)*. Retrieved from <http://www-jime.open.ac.uk/2004/1>
- Andersson, A. (2008). Seven major challenges for e-learning in developing countries: case study eBIT, Sri Lanka. *Journal, 4*(3). Retrieved from <http://ijedict.dec.uwi.edu/viewarticle.php?id=472&layout=html>
- Andrade, A. D. (2007). *Interaction between existing social networks and information and communication technology (ICT) tools: evidence from rural Andes* Unpublished PhD, University of Auckland, Auckland.
- Andreas, K., Tsiatsos, T., Terzidou, T., & Pomportsis, A. (2010). Fostering collaborative learning in Second Life: metaphors and affordances. [doi: DOI: 10.1016/j.compedu.2010.02.021]. *Computers & Education, 55*(2), 603-615.
- Andrews, J. (s.a.). Reading McLuhan (Publication. Retrieved 15 November 2011, from Vispa.com: http://www.aber.ac.uk/media/sections/go.php?url=http://www.vispo.com/writings/essays/Reading_McLuhan_by_Jim_Andrews.pdf&f=1
- Angeli, C. (2005). Transforming a teacher education method course through technology: effects on preservice teachers' technology competency. *Computers & Education, 45*(4), 383-398.
- Angeli, C., & Valanides, N. (2009). Epistemological and methodological issues for the conceptualization, development, and assessment of ICT-TPCK: advances in technological pedagogical content knowledge (TPCK). *Computers & Education, 52*(1), 154-168.
- Antal, C., & Easton, P. (2009). Indigenizing civic education in Africa: experience in Madagascar and the Sahel. *International Journal of Educational Development, 29*, 599-611.
- Anthony, L. M., Clarke, M. C., & Anderson, S. J. (2000). Technophobia and personality subtypes in a sample of South African university students. *Computers in Human Behavior, 16*(1), 31-44.
- Apostolou, B., Blue, M. A., & Daigle, R. J. (2009). Student perceptions about computerized testing in introductory managerial accounting. [doi: DOI: 10.1016/j.jaccedu.2010.02.003]. *Journal of Accounting Education, 27*(2), 59-70.
- Arbaugh, J. B. (2007). An empirical verification of the community of inquiry framework. *Journal of Asynchronous Learning Networks, 11*(1), 73-85.
- Arbaugh, J. B., Godfrey, M. R., Johnson, M., Pollack, B. L., Niendorf, B., & Wresch, W. (2009). Research in online and blended learning in the business disciplines: Key findings and possible future directions. *The Internet and Higher Education, 12*(2), 71-87.

- Arbaugh, J. B., & Hornik, S. (2006). Do Chickering and Gamson's seven principles also apply to online MBAs? *Journal*, 3(2). Retrieved from <http://www.thejeo.com/Volume3Number2/ArbaughFinal.pdf>
- Archambault, L., & Crippen, K. (2009). Examining TPACK among K-12 online distance educators in the United States. *Contemporary Issues in technology and Teacher Education*, 9(1), 71-88.
- Archambault, L. M., & Barnett, J. H. (2010). Revisiting technological pedagogical content knowledge: exploring the TPACK framework. *Computers & Education*, 55(4), 1656-1662.
- Ardito, C., Costabile, M. F., De Marsico, M., Lanzilotti, R., Levialdi, S., Roselli, T., et al. (2006). An approach to usability evaluation of e-learning applications. *Universal Access in the Information Society*, 4(3), 270.
- Arenas-Gaitán, J., Ramírez-Correa, P. E., & Javier Rondán-Cataluña, F. (2011). Cross cultural analysis of the use and perceptions of web based learning systems. [Article]. *Computers & Education*, 57(2), 1762-1774.
- Arnold, M. (2010). The human factor: back to basics with each new tool. *Journal*, December 21, 2010, 1-3. Retrieved from http://www.learningsolutionsmag.com/articles/605/?utm_campaign=ls...
- Arnold, M. J., & Reynolds, K. E. (2003). Hedonic shopping motivations. *Journal of Retailing*, 79, 77-95.
- Aroyo, L., & Dicheva, D. (2004). The new challenges for e-learning: the educational semantic web. *Educational Technology & Society*, 7(4), 59-69.
- Artino, A. R. (2008). Cognitive load theory and the role of learner experience: an abbreviated review for educational practitioners. *Journal*, 16(4), 425-439. Retrieved from <http://www.editlib.org/f/25229>
- Artino, A. R. (2009). Online learning: are subjective perceptions of instructional context related to academic success? *The Internet and Higher Education*, 12(3), 117-125.
- Asaolu, O. S. (2006). On the emergence of new computer technologies. *Educational Technology & Society*, 9(1), 335-343.
- Ascough, R. S. (2002). Designing for Online Distance Education: Putting Pedagogy Before Technology. *Teaching Theology & Religion*, 5(1), 17-29.
- Asiala, M., Brown, A., DeVries, D. J., Dubinsky, E., Mathews, D., & Thomas, K. (2004). A framework for research and curriculum development in undergraduate Mathematics education. In J. J. Kaput, A. H. Schoenfeld & E. Dubinsky (Eds.), *Research in collegiate mathematics education II* (Vol. 6, pp. 1-34). Providence, Rhode Island: Conference Board of the Mathematical Sciences.
- Association for Educational Communications and Technology. (2009). Association for Educational Communications and Technology. Retrieved 4 October, 2009, from <http://www.aect.org/default.asp>
- Association of African Universities. (2000). *Guidelines for institutional self-assessment of ICT maturity in African universities*: AAU.

- Association of African Universities. (2004). *Strategic plan 2003-2010*. Accra, Ghana: Association of African Universities.
- Asunka, S. (2008). Online learning in higher education in Sub-Saharan Africa: Ghanaian university students' experiences and perceptions. *Journal*, 9(3), 1-23. Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/586/1133>
- Atkinson, R. D., & McKay, A. S. (2007). *Digital prosperity: understanding the economic benefits of the information technology revolution*. Washington: The Information Technology & Innovation Foundation (ITIF).
- Atkinson-Grosjean, J., & Grosjean, G. (2000). The use of performance models in higher education: a comparative international review. *Journal*, 8(30). Retrieved from <http://epaa.asu.edu/epaa/v8n30.html>
- Attaran, M. (2004). Exploring the relationship between information technology and business process reengineering. *Information & Management*, 41(5), 585-596.
- Attwell, G. (2007). Personal Learning Environments - the future of eLearning? *Journal*, 2(1), 8. Retrieved from <http://elearningeuropa.info/files/media/media11561.pdf>
- Australian Flexible Learning Framework. (2008). *2009 framework business plan*.
- Aviram, A., & Richardson, J. (Eds.). (2004). *Upon what does the turtle stand? Rethinking education for the digital age*. New York: Kluwer Academic Publishers.
- Aviram, R., & Tami, D. (2004). The impact of ICT on education: the three opposed paradigms, the lacking discourse. Retrieved 19 July, 2010, from http://www.elearningeuropa.info/extras/pdf/ict_impact.pdf
- Avison, D., Lau, F., Myers, M., & Nielsen, P. A. (1999). Action research. *Communications of the ACM*, 42(1), 95.
- Avraamidou, L. (2008). Prospects for the use of mobile technologies in Science education. *Journal*, 16(3), 347-365. Retrieved from <http://www.editlib.org/f/24434>
- Aydede, M. N., Kerecioglu, T., & Arabacioglu, S. (2010). Students' opinions regarding the usage of computer technologies in constructivist learning environment. *Journal*, 7(1), 1113-1123. Retrieved from <http://www.insanbilimleri.com/ojs/index.php/uib/article/download/785/535>
- Aydin, C. H., & Tasci, D. (2005). Measuring readiness for e-learning: Reflections from an emerging country. *Educational Technology & Society*, 8(4), 244-257.
- Aypay, A., & Sezer Kalayci, S. (2008). Assessing institutionalization of educational reforms. *International Journal of Educational Development*, 28(6), 723-736.
- Ayre, M., Mills, J., & Gill, J. (2011). Two steps forward, one step back: women in professional engineering in Australia. *Journal*, 3(2). Retrieved from <http://genderandset.open.ac.uk/index.php/genderandset/article/view/157/334>
- Baas, M., De Dreu, C. K. W., & Nijstad, B. A. (2008). A meta-analysis of 25 years of mood-creativity research: hedonic tone, activation, or regulatory focus? *Psychological Bulletin*, 134(6), 779-806.

- Babin, B. J., Darden, W. R., & Babin, L. A. (1998). Negative emotions in marketing research: affect or artifact? *Journal of Business Research*, 42, 271–285.
- Babin, B. J., Darden, W. R., & Griffin, M. (1994). Work and/or fun: measuring hedonic and utilitarian shopping. *Journal of Consumer Research*, 20(4), 644-656.
- Bacsich, P. (1996). Virtual universities - Part 1. *Journal*, 10. Retrieved from <http://www.pjb.co.uk/10/vu1.htm>
- Bacsich, P. (1996). Virtual universities - Part 2. *Journal*, 12. Retrieved from <http://www.pjb.co.uk/12/vu2.htm>
- Bacsich, P. (2006). The relevance of the MIT90s framework to benchmarking e-learning. Retrieved 20 December, 2008, from <http://elearning.heacademy.ac.uk/weblogs/benchmarking/wpcontent/uploads/2006/09/MIT90s-survey-20060925.doc>
- Bacsich, P. (2008). The national UK universities benchmarking e-learning programme. Retrieved 29 December, 2008, from <http://www.eadtu.nl/conference-2008/Proceedings/QA%20-%20Paul%20Bacsich%20-%20National%20UK%20Universities.pdf>
- Bæck, U.-D. K. (2009). From a distance--how Norwegian parents experience their encounters with school. [doi: DOI: 10.1016/j.ijer.2010.03.004]. *International Journal of Educational Research*, 48(5), 342-351.
- Bailey, R., & Garner, M. (2010). Is the feedback in higher education assessment worth the paper it is written on? Teachers' reflections on their practices. *Teaching in Higher Education*, 15(2), 187-198.
- Baker, E. L., & O'Neil, H. F. (2003). Evaluation and research for technology: not just playing around. *Evaluation and Program Planning*, 26(2), 169-176.
- Baker, W., Hale, T., & Gifford, B. (1997). Technology in the classroom from theory to practice. *Educom Review*, 32(5).
- Bakioglu, A., & Hacifazlioglu, O. (2008). Lecturers' and students' attitudes towards the use of technology in lecturers: no taboos, more thinking. In J. A. Kentel & A. Short (Eds.), *Totems and Taboos: Risk and Relevance in Research on Teachers and Teaching* (pp. 155-170). Rotterdam: Sense Publishers.
- Bakir, B., Koseler, R., Ozkan, S., Temizel, T. T., Incebacak, D., & Kaya, M. (2009, 18-21 October). *The attitudes of students with diverse backgrounds on computer and information literacy subjects: evidence from a first year course*. Paper presented at the Frontiers in Education Conference, 2009. FIE '09. 39th IEEE, San Antonio.
- Balanskat, A., Blamire, R., & Kefala, S. (2006). *The ICT impact report: a review of studies of ICT impact on schools in Europe*: European Schoolnet.
- Banaji, S., Perrotta, C., & Cranmer, S. (2010). *Creative and innovative good practices in compulsory education in Europe: collection and descriptive analysis of 10 good practices of creativity and innovation in compulsory education in the EU27*.

- Bantwini, B. D. (2010). How teachers perceive the new curriculum reform: lessons from a school district in the Eastern Cape Province, South Africa. *International Journal of Educational Development*, 30(1), 83-90.
- Barab, S., & Squire, K. (2004). Design-Based Research: Putting a Stake in the Ground. *The Journal of the Learning Sciences*, 13(1), 1-14.
- Barab, S. A., Kling, R., & Gray, J. H. (2004). Introduction: designing for virtual communities in the service of learning. In S. A. Barab, R. Kling & J. H. Gray (Eds.), *Designing for virtual communities in the service of learning* (pp. 3-15). Cambridge: Cambridge University Press.
- Barbeite, F. G., & Weiss, E. M. (2004). Computer self-efficacy and anxiety scales for an Internet sample: testing measurement equivalence of existing measures and development of new scales. *Computers in Human Behavior*, 20(1), 1-15.
- Barron, B., Walter, S. E., Martin, C. K., & Schatz, C. (2010). Predictors of creative computing participation and profiles of experience in two Silicon Valley middle schools. *Computers & Education*, 54(1), 178-189.
- Bartlett, L. (2008). Literacy's verb: exploring what literacy is and what literacy does. [doi: DOI: 10.1016/j.ijedudev.2007.09.002]. *International Journal of Educational Development*, 28(6), 737-753.
- Baruque, L. B., & Melo, R. N. (2004). Learning theory and instructional design using learning objects *Journal of Educational Multimedia and Hypermedia*, 13(4), 343-370.
- Barzilai-Nahon, K. (2006). Gaps and bits: conceptualizing measurements for digital divide/s. *The Information Society*, 22(5), 269-278.
- Basir, H., Ahmad, A., & Noor, N. L. M. (2010, 13-15 December). *Institutional Strategy for Effective Blended E-Learning: HCI Perspective of Sustainable Embedding*. Paper presented at the 2010 International Conference on User Science Engineering (i-USER), Mara, Malaysia.
- Bass, J. M. (2010). *A new ICT maturity model for education institutions in developing countries*. Manchester: Centre for Development Informatics: Institute for Development Policy and Management, SED.
- Bates, A. W. (1997). The impact of technological change on open and distance learning. *Distance Education*, 18(1), 93-109.
- Bates, T. (2001). *National strategies for e-learning in post-secondary education and training*: UNESCO: International Institute for Educational Planning.
- Bauer, C., Derntl, M., Motschnig-Pitrik, R., & Tausch, R. (2006). Promotive activities in face-to-face and technology-enhanced learning environments. Retrieved 1 January, 2010, from <http://elearn.pri.univie.ac.at/derntl/papers/tpcj06-bauer.pdf>
- Bauer, M., Bruegge, B., Klinker, G., MacWilliams, A., Reicher, T., Riss, S., et al. (2001, 29-30 October). *Design of a component-based augmented reality framework*. Paper presented at the Proceedings. IEEE and ACM International Symposium: Augmented Reality, 2001, New York, NY.

- Baynton, M. (1992). Dimensions of control in distance education: a factor analysis. *The American Journal of Distance Education*, 6(2), 17-31.
- Beavis, C. (2004). Critical perspectives on curriculum and ICTs: the 3D model, literacy and computer games. *Interactive Educational Multimedia*, 9, 77-88.
- Bebell, D., & Kay, R. E. (2009). *Berkshire wireless learning initiative: final evaluation report*. Chestnut Hill, MA: Boston College.
- Beckers, J. J., & Schmidt, H. G. (2001). The structure of computer anxiety: a six-factor model. *Computers in Human Behavior*, 17(1), 35-49.
- Becta. (2006). *Making a difference with technology for learning: evidence for college leaders*: Becta.
- Becta. (2008). *Emerging technologies for learning: volume 3*: Becta.
- Becta. (2008). *Measuring e-maturity in the FE sector - final report*.
- Becta. (2008). *Meeting their potential: the role of education and technology in overcoming disadvantage and disaffection in young people*.
- Becta. (2009). *Harnessing technology funding 2009-10: guidance for local authorities*. Coventry: Becta.
- Bedia, A. S. (1999). The role of information and communication technologies in economic development – a partial survey. *Management Science*, 42, 541-558.
- Beebe, M. A. (2004). *Impact of ICT revolution on the African academic landscape*. Paper presented at the CODESRIA Conference on Electronic Publishing and Dissemination. Retrieved 1 January 2010, from http://www.codesria.org/Links/conferences/el_publ/beebe.pdf
- Bell, M., Martin, G., & Clarke, T. (2004). Engaging in the future of e-learning: a scenarios-based approach. *Education & Training*, 46(6/7), 296-307.
- Beller, M., & Or, E. (1998). The Crossroads between Lifelong Learning and Information Technology: A Challenge Facing Leading Universities. *Journal*, 4(2). Retrieved from <http://jcmc.indiana.edu/vol4/issue2/beller.html>
- Belton, M. (2008). *Discover how the LMS helps realise ambitions for organisational change*. Paper presented at the iLearning Forum 2008: Improving Quality of Learning with Technologies. Retrieved 3 January 2010, from <http://www.eife-l.org/publications/proceedings/ilf08/contributions/improving-quality-of-learning-with-technologies/Belton.pdf>
- Ben Ammar, M., Neji, M., Alimi, A. M., & Gouardères, G. (2010). The affective tutoring system. *Expert Systems with Applications*, 37(4), 3013-3023.
- Benbasat, I., & Barki, H. (2007). *Quo vadis, TAM?* *Journal of the Association for Information Systems*, 8(4), 211-218.
- Bennett, R., Chan, L. K., & Polaine, A. (2004). *The future has already happened: dispelling some myths of online education*. Paper presented at the ACUADS 2004. Retrieved

23 July 2009, from
http://www.acuads.com.au/conf2004/papers/bennett_chan_polaine.pdf

- Benson, V., & Anderson, D. (2010). Towards a strategic approach to the introduction of blended learning: challenges faced and lessons learned. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123340845/PDFSTART>. doi:10.1111/j.1467-8535.2010.01066.x
- Benson, V., Frumkin, L., & Murphy, A. (2005, 4-7 July). *Designing multimedia for differences: e-Lecturer, e-tutor, and e-student perspectives*. Paper presented at the Information Technology and Applications. ICITA 2005. Third International Conference.
- Berge, Z. L. (Ed.). (2001). *Sustaining distance training: integrating learning technologies into the fabric of the enterprise*. San Francisco: Jossey-Bass.
- Berger, A., & Robinson, H. A. (Eds.). (1982). *What research reveals for classroom practice*. Urbana, Ill.: Eric Clearinghouse on Reading and Communication Skills.
- Berk, J., Olsen, S., Atkinson, J., & Comerford, J. (2007). Innovation in a podshell: bringing information literacy into the world of podcasting. *Electronic Library*, 25(4), 409-419.
- Berman, S. D. (2008). Technical evaluation Report 65: ICT-based distance education in South Asia. *Journal*, 9(3). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/581/1131>
- Berthon, P., Pitt, L., Berthon, J.-P., Campbell, C., & Thwaites, D. (2008). e-Relationships for e-readiness: culture and corruption in international e-B2B. *Industrial Marketing Management*, 37(1), 83-91.
- Best, M. L., & Thakur, D. (2009). The telecommunications policy process in post-conflict developing countries: the case of Liberia. *info*, 11(2), 42-57.
- Beyth-Marom, R., Chajut, E., Roccas, S., & Sagiv, L. (2003). Internet-assisted versus traditional distance learning environments: factors affecting students' preferences. *Computers & Education*, 41(1), 65-76.
- Biesenbach-Lucas, S. (2004). Asynchronous web discussions in teacher training courses: promoting collaborative learning—or not? *Journal*, 12(2), 155-170. Retrieved from <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.127.7680&rep=rep1&type=pdf>
- Bingham, M. (1999). Stories with data and data with stories. [Article]. *T H E Journal*, 26(9), 20-.
- Birch, D., & Sankey, M. D. (2008). Drivers for and obstacles to the development of interactive multimodal technology-mediated distance higher education courses. *Journal*, 4(1). Retrieved from <http://ijedict.dec.uwi.edu/viewarticle.php?id=375&layout=html>
- Bird, J., & Morgan, C. (2003). Adults contemplating university study at a distance: issues, themes and concerns. *Journal*, 4(1). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/130/601>
- Birenbaum, M., Kimron, H., Shilton, H., & Shahaf-Barzilay, R. (2009). Cycles of inquiry: formative assessment in service of learning in classrooms and in school-based

- professional communities. [doi: DOI: 10.1016/j.stueduc.2010.01.001]. *Studies In Educational Evaluation*, 35(4), 130-149.
- Bisaso, R., Kereteletswe, O., Selwood, I., & Visscher, A. (2008). The use of information technology for educational management in Uganda and Botswana. *International Journal of Educational Development*, 28(6), 656–668.
- Black, A. (2007). E-maturity framework for FE colleges: Becta.
- Black, E. W., Greaser, J., & Dawson, K. (2008). Academic dishonesty in traditional and online classrooms: does the "media equation" hold true? *Journal of Asynchronous Learning Networks*, 12(3-4), 23-30.
- Blackman, C. (2007). The public interest and the global, future telecommunications landscape. *info*, 9(2/3), 6-16.
- Blackman, C., & Forge, S. (2008). The future of universal service in Europe. *info*, 10(5/6), 152-165.
- Blackmore, C. (2007). What kinds of knowledge, knowing and learning are required for addressing resource dilemmas? A theoretical overview. [doi: DOI: 10.1016/j.envsci.2007.02.007]. *Environmental Science & Policy*, 10(6), 512-525.
- Bledsoe, K. E. (2007). *How do engineering students develop and reason with concepts of electricity within a project-based course?* Unpublished DPhil, Oregon State University.
- Blignaut, A. S. (2009). Towards a research framework for ICT use in developing contexts. Unpublished Prestige Lecture. North-West University, Potchefstroom Campus.
- Blignaut, A. S., & Els, C. (2009). Computers in classrooms: contextualising the South African participation in the SITES 2006 module. *South African Journal of Education*, 30, 555-570.
- Blignaut, A. S., & Els, C. (2009). *Towards a research framework for ICT use in developing contexts*. Paper presented at the 6th International Conference on Cybernetics and Information Technologies, Systems and Applications: CITSA 2009. Retrieved 28 September 2009, from <http://www.iis2009.org/imeti/program/html/program-6.htm>
- Blignaut, A. S., & Els, C. J. (2010). Competency assessment of postgraduate students' readiness for higher education. [doi: DOI: 10.1016/j.iheduc.2010.02.007]. *The Internet and Higher Education*, 13(3), 101-107.
- Blignaut, A. S., Hinojosa, J. E., Els, C. J., & Brun, M. (2010). ICT in education policy and practice in developing countries: South Africa and Chile compared through SITES 2006. [doi: DOI: 10.1016/j.compedu.2010.06.021]. *Computers & Education*, 55(4), 1552-1563.
- Blignaut, A. S., & Lillejord, S. (2005). Lessons from a cross-cultural online learning community. *South African Journal of Higher Education*, 19(Special Issue), 1350-1367.
- Blignaut, S., & Nagel, L. (2009). Cousins Virtual Jane and Virtual Joe, extraordinary virtual helpers. *Computers & Education*, 53(1), 104-111.

- Blignaut, S., & Trollip, S. R. (2003). Developing a taxonomy of faculty participation in asynchronous learning environments--an exploratory investigation. [doi: DOI: 10.1016/S0360-1315(03)00033-2]. *Computers & Education*, 41(2), 149-172.
- Blin, F., & Munro, M. (2008). Why hasn't technology disrupted academics' teaching practices understanding resistance to change through the lens of activity theory. [doi: DOI: 10.1016/j.compedu.2007.09.017]. *Computers & Education*, 50(2), 475-490.
- Block, A., Udermann, B., Felix, M., Reineke, D., & Murray, S. R. (2008). Achievement and satisfaction in an online versus a traditional health and wellness course. *Journal*, 4(1). Retrieved from <http://jolt.merlot.org/vol4no1/block0308.htm>
- Board on Science Education. (2011). *A Framework for K-12 Science Education: Practices, Cross cutting Concepts, and Core Ideas*: National Research Council.
- Bobak, R., Cassarino, C., & Finley, C. (2004). Three issues in distance learning. *Distance Learning*, 1(5), 15-18.
- Bocchi, J., Eastman, J., K., & Swift, C. O. (2004). Retaining the online learner: profile of students in an online MBA program and implications for teaching them. *Journal of Education for Business*, 79(4), 245.
- Bodibe, R. C. (2002). *Distance/flexible higher education: vehicle for conducive ecology or cut-throat business?* Paper presented at the Pan Commonwealth Distance Education Conference. Retrieved 22 August 2010, from <http://www.col.org/pcf2/papers/bodibe.pdf>
- Boehme-Neßler, V. (2011). Caught between technophilia and technophobia: culture, technology and the law, *Pictorial law: modern law and the power of pictures* (pp. 1-18). Berlin: Springer.
- Boezerooij, P. (2006). *E-learning strategies of higher education institutions: an exploratory study into the influence of environmental contingencies on strategic choices of higher education institutions with respect to integrating e-learning in their education delivery and support processes*. Unpublished PhD, Universiteit Twente, Utrecht.
- Boitshwarelo, B. (2009). Exploring blended learning for science teacher professional development in an African context. *Journal*, 10(4). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/687/1339>
- Boling, N. C., & Robinson, D. H. (1999). Individual study, interactive multimedia, or cooperative learning: which activity best supplements lecture-based distance education? *Journal of Educational Psychology*, 91(1), 169-174.
- Bolliger, D. U., & Supanakorn, S. (2010). Learning styles and student perceptions of the use of interactive online tutorials. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123271706/PDFSTART>. doi:10.1111/j.1467-8535.2009.01037.x
- Bolliger, D. U., Supanakorn, S., & Boggs, C. (2010). Impact of podcasting on student motivation in the online learning environment. [doi: DOI: 10.1016/j.compedu.2010.03.004]. *Computers & Education*, 55(2), 714-722.
- Bond, C. S. (2004). Surfing or drowning? Student nurses' Internet skills. [doi: DOI: 10.1016/j.nedt.2003.10.013]. *Nurse Education Today*, 24(3), 169-173.

- Bond, C. S. (2010). Surfing or still drowning? Student nurses' Internet skills. [doi: DOI: 10.1016/j.nedt.2009.11.005]. *Nurse Education Today*, 30(5), 485-488.
- Bondaryk, L. (1998). Publishing new media in higher education: overcoming the adoption hurdle. *Journal*, (3). Retrieved from <http://www-jime.open.ac.uk/98/3>
- Bonig, R. (2010). Higher education institutions must change sourcing paradigms to deal with increasing demands. Retrieved 18 July, 2010, from <http://my.gartner.com/portal/server.pt?open=512&objID=260&mode=2&PageID=3460702&resId=1372413&ref=QuickSearch&stkw=%22Change+Sourcing+Paradigms%22>
- Bonk, C. J., Kim, K.-J., & Zeng, T. (2004). Future directions of blended learning in higher education and workplace learning settings In C. J. Bonk & C. R. Graham (Eds.), *Handbook of blended learning: Global perspectives, local designs*. San Francisco: John Wiley & Sons.
- Borlase, J., & Abelson-Mitchell, N. (2008). User perceptions of the knowledge underpinning practice orientation dial (KUPOD) as a tool to enhance learning. [doi: DOI: 10.1016/j.nepr.2007.02.008]. *Nurse Education in Practice*, 8(1), 9-19.
- Bos, M. J. W., Koolstra, C. M., & Willems, J. T. J. M. (2009). Adolescent responses toward a new technology: first associations, information seeking and affective responses to ecogenomics. *Public Understanding of Science*, 18, 243–253.
- Bosco, A., & Rodríguez-Gómez, D. (2011). Virtual university teaching: contributions to innovation in higher education. The case of Online Geography at the Universitat Autònoma de Barcelona. *Innovations in Education and Teaching*, 48(1), 13-23.
- Bose, K. (2003). An e-learning experience: a written analysis based on my experience with primary school teachers in an e-Learning pilot project. *Journal*, 4(1). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/151/706>
- Bose, S., & Sharma, P. (2010). Choice of instructional media of B.Ed students of Ignao from two Indian metropolises *Journal*, 11(3). Retrieved from http://tojde.anadolu.edu.tr/tojde40/pdf/article_3.pdf
- Boshoff, C., & Du Plessis, S. (2011, 5 December 2011). Debunking myths of open access scholarly publishing. *BusinessDay*, p. 2, from <http://www.businessday.co.za/articles/Content.aspx?id=160330>
- Bostock, S. J. (1998). Constructivism in mass higher education: a case study. [Article]. *British Journal of Educational Technology*, 29(3), 225.
- Boston, W., Diaz, S. R., Gibson, A. M., Ice, P., Richardson, J., & Swan, K. (2010). An exploration of the relationship between indicators of the community of inquiry framework and retention in online programs. *Journal of Asynchronous Learning Networks*, 14(1), 3-19.
- Boston, W., Ice, P., Diaz, S. R., Richardson, J., Gibson, A. M., & Swan, K. (2009). An exploration of the relationship between indicators of the community of inquiry framework and retention in online programs. *Journal of Asynchronous Learning Networks*, 13(8), 67-83.

- Boticario, J. G., & Santos, O. C. (2007). An open IMS-based user modelling approach for developing adaptive learning management systems. *Journal*, (2). Retrieved from <http://jime.open.ac.uk/2007/02>
- Bottino, R. M., & Robotti, E. (2007). Transforming classroom teaching & learning through technology: analysis of a case study. *Educational Technology & Society*, 10(4), 174-186.
- Botturi, L., Cantoni, L., Lepori, B., & Tardini, S. (2007). Fast prototyping as a communication catalyst for e-learning design. In M. Bullen & D. Janes (Eds.), *Making the transition to E-learning: strategies and issues* (pp. 266-283): IGI Global.
- Boulding, K. E. (1956). General Systems Theory - the skeleton of science. *Management Science*, 2(3), 197-208.
- Bourne, J., Mayadas, F., & Moore, J. (2004). *Review: thwarted innovation: what happened to elearning and why*.
- Bourne, J. R., Broderson, A., J, Campbell, J. O., Dawant, M. S., & Shiavi, R. G. (1997). A model for online learning networks in engineering education. *Journal of Asynchronous Learning Networks*, 1(1), 73-96.
- Bovée, C., Voogt, J., & Meelissen, M. (2007). Computer attitudes of primary and secondary students in South Africa. *Computers in Human Behavior*, 23(4), 1762-1776.
- Boyer, N.-A. (2004). The paradox of choice: why more is less. Retrieved 5 January, 2009, from <http://www.worldchanging.com/archives/000977.html>
- Boyle, F., Kwon, J., Ross, C., & Simpson, O. (2010). Student-student mentoring for retention and engagement in distance education. *Open Learning: The Journal of Open and Distance Learning*, 5(2), 115-130.
- Boyle, T. (2002). Towards a theoretical base for educational multimedia design. *Journal*, (2). Retrieved from <http://www-jime.open.ac.uk/2002/2>
- Boyte, H. C. (2003). A different kind of politics: John Dewey and the meaning of citizenship in the 21st century. *The Good Society*, 12(2), 1-15.
- Bozart, J. (2010). Nuts and bolts: brand bandwidth - cognitive load theory and instructional design. *Journal*, August 3, 2010, 1-3. Retrieved from http://www.learningsolutionsmag.com/articles/498/?utm_campaign=ls...
- Bozionelos, N. (2001). The relationship of instrumental and expressive traits with computer anxiety. *Personality and Individual Differences*, 31(6), 955-974.
- Bozionelos, N. (2004). Socio-economic background and computer use: the role of computer anxiety and computer experience in their relationship. *International Journal of Human-Computer Studies*, 61(5), 725-746.
- Bozkurt, A. (2011). A classroom observation-based evaluation of elementary teachers' use of technology in the classrooms in Turkey. *Educational Research and Reviews*, 6(4), 367-373.
- Braa, J., Macome, E., Mavimbe, J. C., Nhampossa, J. L., Da Costa, J. L., Jose, B., et al. (2001). A study of the actual and potential usage of information and communication

technology at district and provincial levels in Mozambique with a focus on the health sector. *Journal*, 5(2), 1-29. Retrieved from <http://www.ejisdc.org/ojs2/index.php/ejisdc/article/viewFile/27/27>

- Brace-Govan, J. (2003). A method to track discussion forum activity: the moderators' assessment matrix. *Internet and Higher Education*, 6, 303-325.
- Brack, C., Hodge, R., Hickson, M., Bradshaw, D., & Hagston, J. (2000). *The curriculum guide: the conceptual framework for further education*. Victoria: Adult, Community, and Further Education Board.
- Brancato, V. C. (2003). Professional development in higher education. *New Directions for Adult & Continuing Education*(98), 59.
- Brand-Gruwel, S., Wopereis, I., & Walraven, A. (2009). A descriptive model of information problem solving while using internet. *Computers & Education, In Press, Corrected Proof*.
- Brandon, B. (2005). 834 tips for successfull online instruction. In B. Brandon (Eds.), Available from <http://www.elearningguild.com/content.cfm?selection=doc.541>
- Brandon, B. (2007). 162 tips and tricks for working with e-learning tools. In B. Brandon (Eds.), Available from <http://www.elearningguild.com/content.cfm?selection=doc.896>
- Brandon, B. (2007). The eLearning guild's handbook of e-learning strategy, pp. 88). Available from <http://d.scribd.com/docs/h9iq18ubq8h9mxq1uh7.pdf>
- Brandon, B. (2008). 144 tips on synchronous e-learning: strategy + research. In B. Brandon (Eds.), Available from <http://www.elearningguild.com/content.cfm?selection=doc.1025>
- Brandon, B. (2008). 239 tips for for producing and managing flash-based e-learning content. In B. Brandon (Eds.), Available from <http://www.elearningguild.com/content.cfm?selection=doc.953>
- Brandon, B. (2010). Apple's ipad: what does it offer for e-Learning? *Journal, January 27, 2010*, 1-2. Retrieved from http://www.learningsolutionsmag.com/articles/370/?utm_campaign=ls...
- Brasher, A., & McAndrew, P. (2009). Automatic generation of audio content for open learning resources. *Journal*, (5). Retrieved from <http://jime.open.ac.uk/2009/05>
- Brave, S., & Nass, C. (2007). Emotion in human-computer interaction. In A. Sears & J. Jacko (Eds.), *Handbook of Human-Computer Interaction* (pp. 53-68). Stanford.
- Breckler, S. J. (1984). Empirical validation of affect, behavior, and cognition as distinct components of attitude. *Journal of Personality and Social Psychology*, 47(6), 1191-1205.
- Breckler, S. J. (1990). Applications of covariance structure modeling in Psychology: cause for concern? *Psychological Bulletin*, 107(2), 260-273.
- Breed, B. (2004). The reflective abilities of expert and novice learners in computer programming. *SA-eDUC JOURNAL*, 1(1), 6-14.

- Breen, P. (2007). Lessons from an international e-learning project. *Journal*, 8(3). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/411/961>
- Breidlid, A. (2009). Culture, indigenous knowledge systems and sustainable development: a critical view of education in an African context. *International Journal of Educational Development*, 29(2), 140-148.
- Breivek, P. S. (2005). 21st century learning and information literacy. *Change Magazine*, 37(2), 20-27.
- Brennan, J., & Teichler, U. (2008). The future of higher education and of higher education research: Higher education looking forward: an introduction. *Higher Education*, 56(3), 259-264.
- Bridgeman, N. (2000). *The competitive model: should we really all be aspiring to be distance educators?* Paper presented at the Proceedings of the NACCQ 2000, Wellington NZ.
- Bridges. (2002). *Progress towards ICT integration in South Africa: a survey of Government initiatives*: Bridges.org.
- Bridges. (2005). *E-ready for what? E-readiness in developing countries: current status and prospects toward the millennium development goals*. Washington: Bridges.org.
- Bright, S. (2008). *E-teachers collaborating: process based professional development for e-teaching*. Paper presented at the Hello! Where are you in the landscape of educational technology? Proceedings Ascilite. Retrieved 3 April 2011, from <http://www.ascilite.org.au/conferences/melbourne08/procs/bright.pdf>
- Brock-Utne, B. (2007). Learning through a familiar language versus learning through a foreign language—a look into some secondary school classrooms in Tanzania. *International Journal of Educational Development*, 27(5), 487-498
- Brock-Utne, B., & Holmarsdottir, H. B. (2004). Language policies and practices in Tanzania and South Africa: problems and challenges. *International Journal of Educational Development*, 24, 67-83.
- Brooks, C., Greer, J., Melis, E., & Ullrich, C. (2006). Combining ITS and eLearning technologies: opportunities and challenges. Retrieved 13 February, 2009, from https://www.cs.usask.ca/grads/cab938/its2006_brooks_greer_melias_ullrich.pdf
- Broos, A. (2005). Gender and information and communication technologies (ICT) anxiety: male self-ssurance and female hesitation. *CyberPsychology & Behavior*, 8(1), 21-31.
- Brosnan, M. J., & Thorpe, S. J. (2006). An evaluation of two clinically-derived treatments for technophobia. *Computers in Human Behavior*, 22(6), 1080-1095.
- Brown, A. L. (1992). Design Experiments: Theoretical and Methodological Challenges in Creating Complex Interventions in Classroom Settings. *The Journal of the Learning Sciences*, 2(2), 141-178.
- Brown, C. A., Dickson, R., Humphreys, A.-L., McQuillan, V., & Smears, E. (2008). Promoting academic writing/referencing skills: outcome of an undergraduate e-learning pilot project. [Article]. *British Journal of Educational Technology*, 39(1), 140-156.

- Brown, I. T. J. (2002). Individual and technological factors affecting perceived ease of use of Web-based learning technologies in a developing country. *Journal*, 9(5), 1-15.
Retrieved from <http://www.ejisdc.org/ojs/include/getdoc.php?id=50&article=50&mode=pdf>
- Brown, S. C., Stevens, R. A., Troiano, P. F., & Schneider, M. K. (2002). Exploring complex phenomena: grounded theory in student affairs research. *Journal of College Student Development*, 43(2), 1-11.
- Brown, T. H. (2006). Beyond constructivism: navigationism in the knowledge era. *On the Horizon*, 14(3), 108-120.
- Browne, T., Holding, R., Howell, A., & Rodway-Dyer, S. (2010). The challenges of OER to academic practice. *Journal*, (3). Retrieved from <http://jime.open.ac.uk/2010/03>
- Bruce, C., Edwards, S., & Lupton, M. J. (2006). Six frames for information literacy education: a conceptual framework for interpreting the relationships between theory and practice. *Innovations in Teaching and Learning Information and Computer Science*, 5(1), 1-18.
- Bruns, A. (2007). *Beyond difference: reconfiguring education for the user-led age*. Paper presented at the ICE 3: Ideas, Cyberspace, Education. Retrieved 22 September 2011, from <http://eprints.qut.edu.au/6622/1/6622.pdf>
- Brush, T., Glazewski, K., Rutowski, K., Berg, K., Stromfors, C., Van-Nest, M. H., et al. (2003). Integrating technology in a field-based teacher training program: The PT3@ASU Project. *Educational Technology Research and Development*, 51(1), 57-72.
- Brush, T., & Saye, J. W. (2007). *Strategies for preparing pre-service social studies teachers to effectively integrate technology: models and practices*. San Diego, CA: Auburn University.
- Brusilovsky, P., & Nijhavan, H. (2002). A framework for adaptive e-learning based on distributed re-usable learning activities. Retrieved 24 April, 2009, from <http://www2.sis.pitt.edu/~peterb/papers/ELearn02.p>
- Buchem, I., & Hamelmann, H. (2011). Developing 21st century skills: Web 2.0 in higher education - a case study. *Journal*. Retrieved from <http://www.elearningeuropa.info/files/media/media25535.pdf>
- Buddhamind.com. (s.a.). A list of human emotions. Retrieved 8 December, 2011, from <http://www.buddhamind.info/leftside/actives/drama/key-word.htm>
- Budhiraja, R., & Sachdeva, S. (2002). *E-Readiness assessment*. Paper presented at the International Conference on Building Effective E-Governance. Retrieved 12 February 2009, from <http://www.mit.gov.in/eg/ereadiness.doc>
- Buiskool, B.-J., Grijpstra, D., Van Kan, C., Van Lakerveld, J., & Den Oudendammer, F. (2005). *Developing local learning centres and learning partnerships as part of member states' targets for reaching the Lisbon goals in the field of education and training: a study of the current situation*. Leiden: Universiteit Leiden.

- Bundy, A. (1997). Drowning in information, starved for knowledge: information literacy, not technology, is the issue. Retrieved 13 December, 2011, from <http://www.vala.org.au/vala2000/2000pdf/Bundy.PDF>
- Bungum, B. (2003). *Perceptions of technology education: a cross-case study of teachers realising technology as a new subject of teaching*. Norwegian University of Science and Technology, Trondheim.
- Burgelman, J. C., & Osimo, D. (2006). *Deepening the deployment of the information society in Europe: trends for R&D and innovation*. Paper presented at the 4th Netherland ICT Knowledge Conference: Innovatikracht met ICT. Retrieved 21 December 2011, from [http://www.org.id.tue.nl/DECC/WS06-presentations/DECC2006-burgelman\(ICTcongress\).pdf](http://www.org.id.tue.nl/DECC/WS06-presentations/DECC2006-burgelman(ICTcongress).pdf)
- Burgos-Aguilar, J. V., & Mortera-Gutierrez, F. J. (2011). Formation of communities of practice to promote openness in education. *Journal*, (23). Retrieved from <http://www.elearningeuropa.info/files/media/media25244.pdf>
- Burnett, N. (2005). *Education for all: literacy for life*. Paris: UNESCO.
- Burns, M., Montalvo, M., & Rhodes, R. (2010). Lessons from the Global. *Learning & Leading with Technology*, March/April, 16-19.
- Burrell, G., & Morgan, G. (1979). *Sociological paradigms and organisational analysis: elements of the sociology of coporate life*. Aldershot: Ashgate Publishing.
- Burton-Jones, A., & Hubona, G. S. (2003). Mediation of external variables in the Technology Acceptance Model. *Working Paper, Department of Computer Information Systems, Georgia State University* Retrieved 6 December, 2011, from <http://mis.commerce.ubc.ca/members/burton-jones/PDFs/ABJ-GH-03.pdf>
- Busch, T. (1995). Gender differences in self-efficacy and attitudes toward computers. *Journal of Educational Computing Reseach*, 12(2), 147-158.
- Bush, G. (2006). Learning about learning: from theories to trends. *Teacher Librarian*, 34(2), 14-18.
- Businessballs.com. Conscious competence learning model: stages of learning--unconscious incompetence to unconscious competence. Retrieved 9 December, 2011, from <http://www.businessballs.com/consciouscompetencelearningmodel.htm>
- Butakov, S., & Scherbinin, V. (2009). The toolbox for local and global plagiarism detection. *Computers & Education*, 52(4), 781-788.
- Butcher, N., & Wilson-Strydom, M. (2008). Technology and open learning: the potential of open education resources for K-12 education. In J. Voogt & G. Knezek (Eds.), *International Handbook of Information Technology in Primary and Secondary Education* (pp. 725-745). New York: Springer.
- Bygholm, A., & Buus, L. (2009). Managing the gap between curriculum based and problem based learning: deployment of multiple learning strategies in design and delivery of online courses in Computer Science. *Journal*, 5(1). Retrieved from <http://ijedict.dec.uwi.edu/viewarticle.php?id=408&layout=html>

- Caballé, S., Daradoumis, T., Xhafa, F., & Juan, A. (2011). Providing effective feedback, monitoring and evaluation to on-line collaborative learning discussions. *Computers in Human Behavior*, 27(4), 1372-1381.
- Cacciamani, S., Cesareni, D., Martini, F., Ferrini, T., & Fujita, N. (2012). Influence of participation, facilitator styles, and metacognitive reflection on knowledge building in online university courses. *Computers & Education*, 58(3), 874-884.
- Cahill, J. L. (2011). Implementing online or hybrid courses in a traditional university. *Journal*, 24. Retrieved from <http://www.elearningeuropa.info/files/media/media25530.pdf>
- Cai, S., Xu, Y., Yu, J., & De Souza, R. (2008). *Understanding aesthetics design for e-commerce web sites: a cognitive-affective framework*. Paper presented at the Pacific-Asia Conference on Information Systems (PACIS2008). Retrieved 21 December 2011, from <http://aisel.aisnet.org/cgi/viewcontent.cgi?article=1165&context=pacis2008>
- Callan, V. J., & Fergusson, A. (2009). *How organisations are using e-learning to support national training initiatives* Canberra: UQ Business School Publications.
- Campbell, J. P., & Oblinger, D. G. (2007). Top-ten teaching and learning issues, 2007. *EDUCAUSE Quarterly*, 3, 15-22.
- Campbell, O. A., & Emunemu, B. O. (2010). The adoption of the mobile phones in maintaining teaching and learning quality assurance in Nigerian private university. *African Higher Education Review*, 3, 4-27.
- Campion, M. G. (1989). Technophilia and technophobia. *Australian Journal of Educational Technology*, 5(1), 23-36.
- Campos, M. (2004). A constructivist method for the analysis of networked cognitive communication and the assessment of collaborative learning and knowledge-building. *Journal of Asynchronous Learning Networks*, 8(2), 1-29.
- Canadian Council on Learning. (2009). *State of E-learning in Canada*. Ottawa, Ontario: Canadian Council on Learning.
- Cannon, H. M., & Feinstein, A. H. (2005). Bloom beyond Bloom: using the revised taxonomy to develop experiential learning strategies. *Developments in Business Simulations and Experiential Learning*, 32, 348-356.
- Cantoni, V., Cellario, M., & Porta, M. (2004). Perspectives and challenges in e-learning: towards natural interaction paradigms. *Journal of Visual Languages & Computing*, 15(5), 333-345.
- Cappel, J., J., & Hayen, R., L. (2004). Evaluating e-learning: a case study. *The Journal of Computer Information Systems*, 44(4), 49.
- Carle, A. C. (2009). Evaluating college students' evaluations of a professor's teaching effectiveness across time and instruction mode (online vs. face-to-face) using a multilevel growth modeling approach. *Computers & Education*, 53(2), 429-435.
- Carlucci, L., Case, J., Jain, S., & Stephan, F. (2007). Results on memory-limited U-shaped learning. [doi: DOI: 10.1016/j.ic.2007.04.001]. *Information and Computation*, 205(10), 1551-1573.

- Carpenter, L., & Matters, P. (2003). Learning communities today – who benefits? Retrieved 2 January, 2010, from <http://www.aare.edu.au/03pap/car03596.pdf>
- Carr, S. M., Lhussier, M., & Chandler, C. (2010). The supervision of professional doctorates: experiences of the processes and ways forward. [doi: DOI: 10.1016/j.nedt.2009.03.004]. *Nurse Education Today*, 30(4), 279-284.
- Carrington, V., & Marsh, J. (2008). Forms of literacy. *Beyond Current Horizons* Retrieved 13 December, 2011, from www.beyondcurrenthorizons.org.uk
- Casal, C. R. (2004). Impact of location-aware services on the privacy/security balance. 6(2), 105-111.
- Casal, C. R. (2007). ICT for education and development. *info*, 9(4), 3-9.
- Casamayor, A., Amandi, A., & Campo, M. (2009). Intelligent assistance for teachers in collaborative e-learning environments. *Computers & Education*, 53(4), 1147-1154.
- Castaño, C., & Webster, J. (2011). Understanding women's presence in ICT: the life course perspective. *Journal*, 3(2). Retrieved from <http://genderandset.open.ac.uk/index.php/genderandset/article/view/168/333>
- Castells, M. (2011). A network theory of power. *International Journal of Communication*, 5, 773–787.
- Castle, J., Munro, K., & Osman, R. (2006). Opening and closing doors for adult learners in a South African university. *International Journal of Educational Development*, 26(4), 363–372.
- Castleton, G., & Wyatt-Smith, C. (2006). Investigating digital curricular literacies: resolving dilemmas of researching multimodal technologically mediated literacy practices. Retrieved 5 March, 2010, from <http://hdl.handle.net/10072/4198>
- Catts, R., & Lau, J. (2008). *Towards information literacy indicators: conceptual framework paper*. Paris: UNESCO.
- Caudill, J. G. (2007). The growth of m-learning and the growth of mobile computing: parallel developments. *Journal*, 8(2). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/348/913>
- Cavanaugh, J. K. (2005). Are online courses cannibalizing students from existing courses? *Journal of Asynchronous Learning Networks*, 9(3), 3-8.
- Cavas, B., Cavas, P., Karaoglan, B., & Kislal, T. (2009). A study on science teachers' attitudes toward information and communication technologies in education. *Journal*, 8(2), 20-32. Retrieved from <http://www.tojet.net/articles/822.pdf>
- Cavus, N., & Ibrahim, D. (2009). M-Learning: an experiment in using SMS to support learning new English language words. *British Journal of Educational Technology*, 40(1), 78-91.
- CCC Executive Committee. (2004). CCC position statement on teaching, learning, and assessing writing in digital environments. *College Composition and Communication*, 55(4), 785-790.

- CDE. (2011). South Africa needs thousands more and better teachers every year. Retrieved 15 December, 2011, from <http://www.ngopulse.org/press-release/south-africa-needs-thousands-more-and-better-teachers-every-year>
- CEDEFOP. (2010). *Changing qualifications: a review of qualifications policies and practices*. Luxembourg: Publications Office of the European Union.
- Centre for Educational Research and Innovation. (2007). *Giving knowledge for free: the emergence of open educational resources* Paris: OECD.
- Centre for Learning & Performance Technologies. (2009). Top 100 tools for learning 2009. Retrieved 4 October, 2009, from <http://www.c4lpt.co.uk/recommended/index.html>
- Cercone, K. (2008). Characteristics of adult learners with implications for online learning design. *Journal, 16*(2), 137-159. Retrieved from <http://www.editlib.org/p/24286>
- Ceyhan, E. (2006). Computer anxiety of teacher trainees in the framework of personality variables. *Computers in Human Behavior, 22*(2), 207-220.
- Cha, S. E., Jun, S. J., Kwon, D. Y., Kim, H. S., Kim, S. B., Kim, J. M., et al. (2011). Measuring achievement of ICT competency for students in Korea. *Computers & Education, 56*(4), 990-1002.
- Chai, C. S., & Lim, C. P. (2010). The Internet and teacher education: traversing between the digitized world and schools. [doi: DOI: 10.1016/j.iheduc.2010.04.003]. *The Internet and Higher Education, In Press, Corrected Proof*.
- Chai, C. S., Ling Koh, J. H., Tsai, C.-C., & Lee Wee Tan, L. (2011). Modeling primary school pre-service teachers' technological pedagogical content knowledge (TPACK) for meaningful learning with information and communication technology (ICT). *Computers & Education, 57*(1), 1184-1193.
- Chaib, M., & Svensson, A.-K. (Eds.). (2005). *ICT in teacher education: challenging prospects*. Jönköping: Jönköping University Press.
- Chan, Y. E., & Reich, B. H. (2007). IT alignment: an annotated bibliography. *Journal of Information Technology, 22*, 316-396.
- Chandler, P., & Sweller, J. (1991). Cognitive Load Theory and the format of instruction. *Cognition and Instruction, 8*(4), 293-332.
- Chandon, P., Wansink, B., & Laurent, G. (2000). A benefit congruency framework of sales promotion effectiveness. *Journal of Marketing, 64*(4), 65-81.
- Chang, C. K., Chen, G. D., & Li, L. Y. (2008). Constructing a community of practice to improve coursework activity. [doi: DOI: 10.1016/j.compedu.2006.05.003]. *Computers & Education, 50*(1), 235-247.
- Chang, C.-Y., & Lee, G. (2010). A major e-learning project to renovate science learning environment in Taiwan *Journal, 9*(1), 7-12. Retrieved from <http://www.tojet.net/articles/911.pdf>
- Chang, T. F. (2005). *Can emotional design change people's attitude on the web site?* Paper presented at the Fifth IEEE International Conference on Advanced Learning Technologies (ICALT'05). Retrieved 6 May 2011, from

<http://ieeexplore.ieee.org.nwulib.nwu.ac.za/stamp/stamp.jsp?tp=&arnumber=1508660>

- Chang, V., & Fisher, D. (2003). The validation and application of a new learning environment instrument for online learning in higher education. In D. Fisher (Ed.), *Technology-Rich Learning Environments: A Future Perspective* (pp. 1-20). Singapore: World Scientific Publishing.
- Chang, V., & Guetl, C. (2007). *E-learning ecosystem (ELES) – a holistic approach for the development of more effective learning environment for small-to-medium sized enterprises (SMEs)*. Paper presented at the Inaugural IEEE International Conference on Digital Ecosystems and Technologies, Cairns.
- Chang, Y.-C., Kao, W.-Y., Chu, C.-P., & Chiu, C.-H. (2009). A learning style classification mechanism for e-learning. *Computers & Education, 53*(2), 273-285.
- Chapman, D. W., Burton, L., & Werner, J. (2010). Universal secondary education in Uganda: the head teachers' dilemma. *International Journal of Educational Development, 30*(1), 77-82.
- Chapman, E. (2003). Alternative approaches to assessing student engagement rates. *Journal, 8*(13). Retrieved from <http://PAREonline.net/getvn.asp?v=8&n=13> .
- Charlton, B. G. (2006). Lectures are such an effective teaching method because they exploit evolved human psychology to improve learning. *Medical Hypotheses, 67*(6), 1261-1265.
- Chatterton, P. (2006). *Higher education academy: e-learning benchmarking project*. University of Wales Institute, Cardiff (UWIC), University of Strathclyde, University of Bristol, University of Hertfordshire.
- Chatti, M. A., Jarke, M., & Frosch-Wilke, D. (2007). The future of e-learning: a shift to knowledge networking and social software. *International Journal of Knowledge and Learning, 4*(4-5), 404-420.
- Chatti, M. A., Srirama, S. N., Ivanova, I., & Jarke, M. (2010). The MobileHost CoLearn system: mobile socialsoftware for collaborative learning. *International Journal of Mobile Learning and Organisation, 4*(1), 15-38.
- Chau, P. Y. K. (1996). An empirical assessment of a modified Technology Acceptance Model. *Journal of Management Information Systems, 13*(2), 185-204.
- Chaudhuri, A., Aboulnasr, K., & Ligas, M. (2010). Emotional responses upon initial exposure to a hedonic or utilitarian description of a radical innovation. *Journal of Marketing Theory & Practice, 18*(4), 339-359.
- Chen, C.-F., & Chen, P.-C. (2011). Applying the TAM to travelers' usage intentions of GPS devices. *Expert Systems with Applications, 38*(5), 6217-6221.
- Chen, C.-H., Chen, S.-H., Hwang, G.-J., & Yang, T.-C. (2010). Factors influencing teachers' adoption of a ubiquitous technology application in supporting teacher performance. *International Journal of Mobile Learning and Organisation, 4*(1), 39-54.

- Chen, C.-M., & Chen, M.-C. (2009). Mobile formative assessment tool based on data mining techniques for supporting web-based learning. *Computers & Education*, 52(1), 256-273.
- Chen, C.-M., Lee, H.-M., & Chen, Y.-H. (2005). Personalized e-learning system using Item Response Theory. *Computers & Education*, 44(3), 237-255.
- Chen, G. D., Chang, C. K., & Wang, C. Y. (2008). Ubiquitous learning website: scaffold learners by mobile devices with information-aware techniques. [doi: DOI: 10.1016/j.compedu.2006.03.004]. *Computers & Education*, 50(1), 77-90.
- Chen, H.-m., Yu, C., & Chang, C.-s. (2007). E-homebook system: a web-based interactive education interface. *Computers & Education*, 49(2), 160-175.
- Chen, I. J., Yang, K.-F., Tang, F.-I., Huang, C.-H., & Yu, S. (2008). Applying the technology acceptance model to explore public health nurses' intentions towards web-based learning: a cross-sectional questionnaire survey. *International Journal of Nursing Studies*, 45(6), 869-878.
- Chen, J., & Luo, Q. (2006). *Research on e-learning system model based on affective computing* Paper presented at the Computer-Aided Industrial Design and Conceptual Design, 2006. CAIDCD '06. 7th International Conference. Retrieved 12 March 2010, from <http://ieeexplore.ieee.org.nwulib.nwu.ac.za/stamp/stamp.jsp?tp=&arnumber=4127134>
- Chen, J.-L. (2011). The effects of education compatibility and technological expectancy on e-learning acceptance. *Computers & Education*, 57(2), 1501-1511.
- Chen, L.-H. (2010). Web-based learning programs: use by learners with various cognitive styles. [doi: DOI: 10.1016/j.compedu.2009.10.008]. *Computers & Education*, 54(4), 1028-1035.
- Chen, M.-C., & Wang, H.-P. (2002, 3-6 December). *A study on Web-based continuing professional development program for teachers: a school-based approach*. Paper presented at the International Conference on Computers in Education, 2002. Proceedings.
- Chen, N.-S., Kinshuk, Wei, C.-W., & Liu, C.-C. (2011). Effects of matching teaching strategy to thinking style on learner's quality of reflection in an online learning environment. *Computers & Education*, 56(1), 53-64.
- Chen, N.-S., Wei, C.-W., & Lin, C.-C. (2010, 5-7 July). *Effects of adaptive reflection teaching strategies on learners' reflection levels in a web-based learning environment*. Paper presented at the 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), Sousse, Tunisia.
- Chen, R.-J. (2010). Investigating models for preservice teachers' use of technology to support student-centered learning. *Computers & Education*, 55(1), 32-42.
- Chen, R.-S., & Hsiang, C.-H. (2007). A study on the critical success factors for corporations embarking on knowledge community-based e-learning. *Information Sciences*, 177(2), 570-586.

- Chen, T. (2003). Recommendations for creating and maintaining effective networked learning communities: a review of the literature. *International Journal of Instructional Media*, 30(1), 35-44.
- Cheng, M. M. H., Chan, K.-W., Tang, S. Y. F., & Cheng, A. Y. N. (2009). Pre-service teacher education students' epistemological beliefs and their conceptions of teaching. *Teaching and Teacher Education*, 25(2), 319-327.
- Cheung, H. Y., & Chan, A. W. H. (2008). Relationships amongst cultural dimensions, educational expenditure and class size of different nations. [doi: DOI: 10.1016/j.ijedudev.2007.11.003]. *International Journal of Educational Development*, 28(6), 698-707.
- Cheung, W., & Huang, W. (2005). Proposing a framework to assess Internet usage in university education: an empirical investigation from a student's perspective. *British Journal of Educational Technology*, 36(2), 237-253.
- Chi, M. T. H. (1997). Quantifying qualitative analyses of verbal data: a practical guide. *The Journal of the Learning Sciences*, 6(3), 271-315.
- Chinien, C. (2005). ICT application in technical and vocational education and training: specialized training course, Available from <http://www.iite-unesco.org>
- Chiou, C.-K., Hwang, G.-J., & Tseng, J. C. R. (2009). An auto-scoring mechanism for evaluating problem-solving ability in a web-based learning environment. *Computers & Education*, 53(2), 261-272.
- Chiovitti, R. F., & Piran, N. (2003). Rigour and grounded theory research. *Journal of Advanced Nursing*, 44(4), 427-435.
- Chisholm, L., & Leyendecker, R. (2008). Curriculum reform in post-1990s sub-Saharan Africa. *International Journal of Educational Development*, 28(2), 195-205.
- Chitiyo, R. (2006). *Integration of instructional technology by university lecturers in secondary school teacher education programs in Zimbabwe: an exploratory study* Unpublished DPhil, College of Education, Georgia State University, Atlantak Georgia.
- Chiu, C.-M., Hsu, M.-H., Sun, S.-Y., Lin, T.-C., & Sun, P.-C. (2005). Usability, quality, value and e-learning continuance decisions. *Computers & Education*, 45(4), 399-416.
- Chiu, C.-M., Sun, S.-Y., Sun, P.-C., & Ju, T. L. (2007). An empirical analysis of the antecedents of web-based learning continuance. [doi: DOI: 10.1016/j.compedu.2006.01.010]. *Computers & Education*, 49(4), 1224-1245.
- Chiu, D. K. W., Choi, S. P. M., Wang, M., & Kafeza, E. (2008). Towards ubiquitous communication support for distance education with alert management. *Educational Technology & Society*, 11(2), 92-106.
- Chi-Wai, K. R., Cheng, S. H., Ho-Shing Ip, H., & Siu-Lung, K. J. (2011). Design of affectively evocative smart ambient media for learning. *Computers & Education*, 56(1), 101-111.
- Chiwere, E. R. T., & Dick, A. L. (2008). The use of ICTs in Namibia's SME sector to access business information services. *The Electronic Library*, 26(2), 145-157.

- Cho, Y. H., Lee, J., & Jonassen, D. H. (2010). The role of tasks and epistemological beliefs in online peer questioning. *Computers & Education*.
- Chong, T. S. (2005). Recent advances in cognitive load theory research: implications for instructional designers. *Journal*, 2(3), 106-117. Retrieved from http://ppppj.usm.my/mojit/articles/pdf/Dec05/13%20-%20Recent_Advances_in_Cognitive_Load%5B1%5D-final.pdf
- Choucri, N., Maugis, V., Madnick, S. E., & Siegel, M. (2003). *Global e-readiness - for what?* (No. 177). Cambridge: MIT Sloan School of Management.
- Christensen, R., & Knezek, G. (2003). Teacher Home Access as a Primary Indicator of Stage of Adoption of Technology. *Information and Technology and Teacher Education Annual*, 867-870.
- Christensen, R., & Knezek, G. (2008). Self-report measures and findings for information technology attitudes and competencies. In J. Voogt & G. Knezek (Eds.), *International handbook of information technology in primary and secondary education* (pp. 349-365). New York: Springer.
- Christensen, R., Knezek, G., & Overall, T. (2005). Transition points for the gender gap in computer enjoyment. *Journal of Research on Technology in Education*, 38(1), 23-37.
- Christie, P. (2006). Changing regimes: governmentality and education policy in post-apartheid South Africa. [doi: DOI: 10.1016/j.ijedudev.2005.09.006]. *International Journal of Educational Development*, 26(4), 373-381.
- Christie, P. (2010). The complexity of human rights in global times: the case of the right to education in South Africa. *International Journal of Educational Development*, 30(1), 3-11.
- Christo-Baker, E. (2004). *Distance Education Leadership in Higher Education Institutions: Explored Within Theoretical Frameworks of Organizational Change and Diffusion of Innovations Theory*. Paper presented at the World Conference on Educational Multimedia, Hypermedia and Telecommunications 2004. from <http://www.editlib.org/p/12940>
- Christopoulou, M. (2010). Introducing computers in the primary school to enhance learning and provide additional support to the existing educational curriculum. *Research Journal of International Studies* 16(September), 139-147.
- Chu, H.-C., Hwang, G.-J., & Tsai, C.-C. (2010). A knowledge engineering approach to developing mindtools for context-aware ubiquitous learning. *Computers & Education*, 54(1), 289-297.
- Chua, S. L., Chen, D.-T., & Wong, A. F. L. (1999). Computer anxiety and its correlates: a meta-analysis. *Computers in Human Behavior*, 15(5), 609-623.
- Chuang, H.-H. (2008). Perspectives and issues of the creation for weblog-based electronic portfolios in teacher education. [Article]. *British Journal of Educational Technology*, 39(1), 170-174.
- Churchill, D., & Hedberg, J. (2008). Learning object design considerations for small-screen handheld devices. *Computers & Education*, 50(3), 881-893.

- Chuttur, M. (2009). Overview of the Technology Acceptance Model: origins, developments and future directions. *Journal*, 9(37). Retrieved from <http://sprouts.aisnet.org/9-37>
- Clark, R. (2005). Four steps to effective virtual classroom training. *Journal*, May 16, 2005. Retrieved from http://www.learningsolutionsmag.com/articles/266/?utm_campaign=ls...
- Clark, T. R., & Gottfredson, C. A. (2008). *In search of learning agility: assessing progress from 1957 to 2008*: TRCLARK LLC.
- Clarke, D., & Hollingsworth, H. (2002). Elaborating a model of teacher professional growth. *Teaching and Teacher Education*, 18(8), 947-967.
- Clayton, J. (2007). *The validation of the online learning environment survey*. Paper presented at the Ascelite. Retrieved 25 July 2010, from <http://www.ascilite.org.au/conferences/singapore07/procs/clayton.pdf>
- Clegg, S. (2009). Histories and institutional change: understanding academic development practices in the global 'north' and 'south'. [Article]. *International Studies in Sociology of Education*, 19(1), 53-65.
- Cloete, E. (2001). Electronic education system model. *Computers & Education*, 36(2), 171-182.
- Cloete, N. (2011). South Africa: radical new plan for higher education. *Journal*, 200. Retrieved from <http://www.universityworldnews.com/article.php?story=2011120222252975>
- Cobcroft, R. S., Towers, S., Smith, J., & Bruns, A. (2006). *Mobile learning in review: opportunities and challenges for learners, teachers, and institutions*. Paper presented at the Proceedings Online Learning and Teaching (OLT) Conference, Brisbane.
- Coffey, H. (2011). Critical literacy. *Learn NC*. Retrieved 20 December, 2011, from http://www-tep.ucsd.edu/about/Courses/EDS361B.../Critical_literacy.pdf
- Coffield, F., Moseley, D., Hall, E., & Ecclestone, K. (2004). *Learning styles and pedagogy in post-16 learning: a systematic and critical review*. London: Learning and Skills Research Centre.
- Coffin, R. J., & MacIntyre, P. D. (1999). Motivational influences on computer-related affective states. *Computers in Human Behavior*, 15(5), 549-569.
- Cohen, E. B., & Nycz, M. (2006). Learning objects and e-learning: an informing science perspective. *Interdisciplinary Journal of Knowledge and Learning Objects*, 2, 23-34.
- Cohen, L., Manion, L., & Morrison, K. (2000). *Research methods in education* (5th ed.). London: Routledge.
- Cohendet, P., Creplet, F., & Dupouët, O. (2000). Communities of practice and epistemic communities: a renewed approach of organisational learning within the firm. Retrieved 31 December, 2011, from www.marsouin.org/IMG/pdf/dupouet.pdf
- Coiro, J., Knobel, M., Lankshear, C., & Leu, D. J. (2004). Handbook of research on New Literacies Available from

http://www.newliteracies.uconn.edu/pub_files/handbook_of_research_on_new_literacies.pdf

- Coker, A. D. (2003). African American female adult learners: motivations, challenges, and coping strategies. *Journal of Black Studies*, 33(5), 654-674.
- Çoklar, A. N., & Sahin, Y. L. (2011). Technostress levels of social network users based on ICTs in Turkey. *European Journal of Social Sciences*, 23(2), 171-182.
- Cole, M. (2008). Using Wiki technology to support student engagement: lessons from the trenches. *Computers & Education*, 52(1), 141-145.
- Collier, G., & Robson, R. (2002). *e-Learning interoperability standards*: Sun Microsystems.
- Collins, A. (1992). Towards a design science of education. In E. Scanlon & T. O'Shea (Eds.), *New Directions in Educational Technology* (pp. 15-22). Berlin: Springer-Verlag.
- Collis, B., & Strijker, A. (2004). Technology and human issues in reusing learning objects. *Journal*, (4). Retrieved from <http://www-jime.open.ac.uk/2004/4>
- Colquitt, J. A., LePine, J. A., & Noe, R. A. (2000). Toward an integrative theory of training motivation: a meta-analytic path analysis of 20 years of research. [Article]. *Journal of Applied Psychology*, 85(5), 678-707.
- Colton, S. B. (2002). *Developing an instrument to analyze the application of adult learning principles to World Wide Web distance education courses using the Delphi technique*. Unpublished D.Ed, University of Louisville, Louisville.
- Colunga, E., & Smith, L. B. (2008). Flexibility and variability: essential to human cognition and the study of human cognition. [doi: DOI: 10.1016/j.newideapsych.2007.07.012]. *New Ideas in Psychology*, 26(2), 174-192.
- Comber, B. (2001). Critical literacy: power and pleasure with language in the early years. *Australian Journal of Language and Literacy*, 24(3), 168-181.
- Comber, B., Thomson, B., & Well, M. (2001). Critical Literacy finds a "place": writing and social action in a low-income Australian grade 2/3 classroom. *The Elementary School Journal*, 101(4, Special issue), 451-464.
- Comley, L., Arandez, L., Holden, S., & Kuriata, E. (2001, 28-30 March). *Are TAFE organisations learning organisations? Do they "walk the talk"?* Paper presented at the Research to Reality: Putting VET Research to work. Proceedings of the Australian Vocational Education and training Research Association, 4th Conference, Adelaide.
- Commission of the European Communities. (2008). *The use of ICT to support innovation and lifelong learning for all - a report on progress*.
- Commission of the European Communities. (2008). *Progress towards the Lisbon objectives in education and training: indicators and benchmarks 2008*: Commission of the European Communities: European Union.
- Commission of the European Communities. (2009). *Key competencies for a changing world: draft 2010 joint progress report of the Council and the Commission on the*

implementation of the "Education & Training 2010 work programme". Brussels: Commission of the European Communities.

Commonwealth of Learning. (2003). *Three-year plan 2003-2006: building capacity in open and distance learning.* Vancouver: Commonwealth of Learning.

Commonwealth of Learning. (2005). *Creating learning materials for open and distance learning: a handbook for authors and instructional designers.* Vancouver: Commonwealth of Learning.

Concannon, F., Flynn, A., & Campbell, M. (2005). What campus-based students think about the quality and benefits of e-learning. *British Journal of Educational Technology*, 36(3), 501-512.

Conner, M. L. (2009). 65 tips for getting the most out of your e-learning budget. In B. Brandon (Eds.), Available from <http://www.elearningguild.com/content.cfm?selection=doc.1291>

Conner, M. L. (2009). 98 tips for selecting and working with e-learning service providers. In B. Brandon (Eds.), Available from <http://www.elearningguild.com/content.cfm?selection=doc.1321>

Conole, G. (2002). Systematising learning and research information. *Journal*, (7). Retrieved from <http://www-jime.open.ac.uk/2002/7>

Conole, G. (2004). E-learning: the hype and the reality. *Journal*, (12). Retrieved from <http://www-jime.open.ac.uk/2004/12>

Conole, G. (2010). Facilitating new forms of discourse for learning and teaching: harnessing the power of Web 2.0 practices *Open Learning: The Journal of Open and Distance Learning*, 25(2), 141 — 151.

Conole, G., Carusi, A., De Laat, M., & Darby, J. (2006). *What can we Learn from the Demise of the UkeU? Evaluation of the Lessons Learnt.* Paper presented at the Networked Learning Conference. Retrieved 21 September 2012, from <http://www.lancs.ac.uk/fss/organisations/netlc/past/nlc2006/abstracts/pdfs/P28%20Conole,%20Carusi%20et%20al.pdf>

Conole, G., Culver, J., Williams, P., Cross, S., Clark, P., & Brasher, A. (2008). *Cloudworks: social networking for learning design.* Paper presented at the ASCILITE 2008 conference: Hello! Where are you in the landscape of educational technology? Retrieved 25 November 2011, from <http://www.ascilite.org.au/conferences/melbourne08/procs/conole.pdf>

Conole, G., Delaat, M., Dillon, T., & Darby, J. (2008). 'Disruptive technologies', 'pedagogical innovation': what's new findings from an in-depth study of students' use and perception of technology. *Computers & Education*, 50(2), 511-524.

Conole, G., Dyke, M., Oliver, M., & Seale, J. (2004). Mapping pedagogy and tools for effective learning design. *Computers & Education*, 43(1-2), 17-33.

Conole, G., & Oliver, M. (2002). Embedding theory into learning technology practice with toolkits. *Journal*, (8). Retrieved from <http://www-jime.open.ac.uk/2002/8>

- Conrad, D. (2010). Achieving flexible learning through recognition of prior learning practice: a case-study lament of the Canadian academy. *Open Learning: The Journal of Open and Distance Learning*, 25(2), 153-161.
- Considine, D. (2002). Media literacy across the curriculum. Retrieved 13 December 2011, 2011, from www.medialit.org/reading-room/media-literacy-across-curriculum
- Conti-Ramsden, G., Durkin, K., & Walker, A. J. (2010). Computer anxiety: a comparison of adolescents with and without a history of specific language impairment (SLI). *Computers & Education*, 54(1), 136-145.
- Cook, J. (2002). The role of dialogue in computer-based learning and observing learning: an evolutionary approach to theory. *Journal*, (5). Retrieved from <http://www-jime.open.ac.uk/2002/5>
- Cook, J. (2010). Longitudinal, educational design research investigation of the temporal nature of learning: taking a Vygotskian approach. *Journal*, (11). Retrieved from <http://jime.open.ac.uk/2010/11>
- Cook, R. G., Ley, K., Crawford, C., & Warner, A. (2009). Motivators and inhibitors for university faculty in distance and e-learning. *British Journal of Educational Technology*, 40(1), 149–163.
- Cookson, P. S. (2008). Book Review – De la educación a distancia a la educación virtual, by Lorenzo García Aretio, Marta Ruiz Corbella and Daniel Domínguez Figaredo. (2007). [Book Review]. *International Review of Research in Open and Distance Learning*, 9(1).
- Cooper, M., Boticario, J. G., & Montandon, L. (2006). *An introduction to accessible lifelong learning (ALL) - a strategy for research and development uniting accessible technology, services, and e-learning infrastructure*. Paper presented at the Research into Online Distance Education and E-learning: Making the Difference, Fourth EDEN Research Workshop. Retrieved 2 January 2010, from <http://oro.open.ac.uk/16662/>
- Copley, J. (2007). Audio and video podcasts of lectures for campus-based students: production and evaluation of student use. *Innovations in Education and Teaching International*, 44(4), 387-399.
- Corlett, D., Sharples, M., Bull, S., & Chan, T. (2005). Evaluation of a mobile learning organiser for university students. [Article]. *Journal of Computer Assisted Learning*, 21(3), 162-170.
- Cortina, J. M. (1993). What is coefficient Alpha? An examination of theory and applications. *Journal of Applied Psychology*, 78(1), 98-104.
- Cotton, S. R. (2008). Students' technology use and the impacts on well-being. *New Directions for Student Services*, 124(Winter 2008), 55-70.
- Cotton, W. (2008, 18-21 June). *Supporting the use of learning objects in the K-12 environment: A design-based research project*. Paper presented at the Proceedings of the Emerging Technologies Conference.
- Coulby, C., Hennessey, S., Davies, N., & Fuller, R. (2009). The use of mobile technology for work-based assessment: the student experience. *Journal*. Retrieved from

<http://www3.interscience.wiley.com/cgi-bin/fulltext/123190166/PDFSTART>.
doi:10.1111/j.1467-8535.2009.01022.x

- Council of Ministers of Education. (1997). *Developments in information technologies in education*. Paper presented at the 13th Conference of the Commonwealth Education Ministers Retrieved 20 December 2008, from <http://www.cmec.ca/publications/edtech-en.stm>
- Coupal, L. V. (2004). Constructivist learning theory and human capital theory: shifting political and educational frameworks for teachers' ICT professional development. [Article]. *British Journal of Educational Technology*, 35(5), 587-596.
- Cox, M., Preston, C., & Cox, K. (1999). *What factors support or prevent teachers from using ICT in their classrooms?* Paper presented at the British Educational Research Association Annual Conference. Retrieved 29 November 2011, from <http://www.leeds.ac.uk/educol/documents/00001304.htm>
- Cox, S. (2008). *A conceptual analysis of technological pedagogical content knowledge*. Brigham Young University.
- Craft, A. (2003). The limits to creativity in education: dilemmas for the educator. *British Journal of Educational Studies*, 51(2), 113-127.
- Cramer, D., & Howitt, D. (2004). *The SAGE dictionary of statistics*. London: SAGE.
- Cresswell, J. W. (2009). *Research design: qualitative, quantitative and mixed methods approaches* (3rd ed.). London: Sage.
- Crippen, K. J., Archambault, L., Ford, M. S., & Levitt, G. A. (2004). Curriculum carts and collaboration: a model for training secondary Science teachers. *Journal of Science Education and Technology*, 13(3), 325-331.
- Crippen, K. J., & Earl, B. L. (2007). The impact of web-based worked examples and self-explanation on performance, problem solving, and self-efficacy. [doi: DOI: 10.1016/j.compedu.2005.11.018]. *Computers & Education*, 49(3), 809-821.
- Crites, S. L., Fabrigar, L. R., & Petty, R. E. (1994). Measuring the affective and cognitive properties of attitudes: conceptual and methodological issues. *Personality and Social Psychology Bulletin*, 20(6), 619-634.
- Cronbach, L. J. (1995). A valedictory: reflections on 60 years in educational testing, Board Bulletin Available from http://www.nap.edu/catalog.php?record_id=9244
- Cronjé, J. (2006). Paradigms regained: toward integrating objectivism and constructivism in instructional design and the learning sciences. *Educational Technology, Research and Development*, 54(4), 387-416.
- Crook, C. (2005). Addressing research at the intersection of academic literacies and new technology. *International Journal of Educational Research*, 43(7-8), 509-518.
- Crossley, M., & Vulliamy, G. (1996). Issues and trends in qualitative research: potential for developing countries. *International Journal of Educational Development*, 16(4), 439-448.

- Cuhls, K. (2003). *Foresight tools - Delphi surveys*. Paper presented at the Technology Foresight for Practitioners - UNIDO - Training Course Retrieved 2 April 2011, from http://www.google.co.za/url?sa=t&rct=j&q=cuhls%20delphi%20surveys&source=web&cd=3&sqi=2&ved=0CDcQFjAC&url=https%3A%2F%2Fwww.unido.org%2Fforesight%2Frwp%2Fdokums_pres%
- Cuhls, K. (2004). Delphi method. In T. F. Initiatives (Ed.), *Foresight Methodologies, Training Module 2* (pp. 93-112): United Nations Industrial Development Organization.
- Cuhls, K. (2004). Japanese S+T Foresight 2035. *Journal*, 35. Retrieved from <http://www.foresight-platform.eu/wp-content/uploads/2011/04/EFMN-Brief-No.-35-Japanese-S+T-Foresight-2035.pdf>
- Cuhls, K. (2008). FAZIT – the future of ICT in Baden-Württemberg. *Journal*, 113. Retrieved from <http://www.foresight-platform.eu/wp-content/uploads/2011/04/EFMN-Brief-No.-113-FAZIT-Baden-Wuerttemberg.pdf>
- Cullen, J., Hadjivassiliou, K., Junge, K., & Fischer, T. (2007). Status of e-inclusion measurement, analysis and approaches for improvement: e-Inclusion Handbook Version 2: February 2007, (Vol. 2009, Available from http://ec.europa.eu/information_society/eeurope/i2010/docs/studies/e_inclusion_handbook_0307.pdf
- Cummins, J., Brown, K., & Sayers, D. (2007). *Literacy, technology, and diversity teaching for success in changing times*. Boston: Pearson.
- Curran, C. (2004). Strategies for e-learning in universities *Research & Occasional Paper Series: CSHE.7.04* Retrieved 2 May, 2009, from <http://cshe.berkeley.edu/publications/docs/ROP.Curran.7.04.pdf>
- Currier, S., & Campbell, L. M. (2002). *Learning technologies critical success factors for eLearning implementation: educational technology interoperability standards*. Paper presented at the Proceedings of the International Conference on Computers in Education (ICCE'02), Auckland.
- Cutrone, L., & Chang, M. (2010, 5-7 July). *Automarking: automatic assessment of open questions*. Paper presented at the 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), Sousse, Tunisia.
- Czerniewicz, L., & Brown, C. (2005). Access to ICT for teaching and learning: from single artefact to inter-related resources. *Journal*, 1(2). Retrieved from <http://ijedict.dec.uwi.edu/viewarticle.php?id=38&layout=html>
- Czerniewicz, L., & Brown, C. (2009). A study of the relationship between institutional policy, organisational culture and e-learning use in four South African universities. *Computers & Education*, 53(1), 121-131.
- D' Silva, J. L., Samah, B. A., Shaffril, H. A. M., & Hassan, M. A. (2010). Factors that influence attitude towards ICT usage among rural community leaders in Malaysia. *Australian Journal of Basic and Applied Sciences*, 4(10): , 2010, 4(10), 5214-5220.
- Dabaj, F., & Isman, A. (2004). Communication barriers in distance education: "Text-based internet-enabled online courses". *Journal*, 1(2). Retrieved from <http://www.tojet.net/articles/242.pdf>

- Dabbagh, N. (2007). The online learner: characteristics and pedagogical implications. *Journal*, 7(3), 217-226. Retrieved from <http://www.citejournal.org/articles/v7i3general1.pdf>
- Dada, D. (2006). E-readiness for developing countries: moving the focus from the environment to the users. *Journal*, 26(6), 1-14. Retrieved from <http://www.ejisdc.org/ojs2/index.php/ejisdc/article/view/219>
- Dada, D. (2006). The failure of e-government in developing countries: a literature review. *Journal*, 26(1), 1-10. Retrieved from <http://www.ejisdc.org>
- Dagienė, V., & Kurilovas, E. (2007). Design of Lithuanian digital library of educational resources and services: the problem of interoperability. *Information Technology and Control*, 36(4), 402-411.
- Dahawy, K., & Kamel, S. (2009). Using blended learning techniques in knowledge dissemination: lessons learnt from the case of the American University in Cairo. *Journal*, 37(4), 1-12
- Dale, R., Robertson, S., & Shortis, T. (2004). 'You can't not go with the technological flow, can you?' Constructing 'ICT' and 'teaching and learning'. *Journal of Computer Assisted Learning*, 20(6), 456-470.
- Damiano, F. (2011). Leading transformative IT change in Higher Education. *Journal*, 8. Retrieved from <http://www.educause.edu/ecar>
- Damoense, M. Y. (2003). Online learning: implications for effective learning for higher education in South Africa. *Australian Journal of Educational Technology*, 19(1), 25-45.
- Danaher, P. A., & Umar, A. (2010). Contemporary research on open and distance learning in teacher education. In P. A. Danaher & A. Umar (Eds.), *Teacher Education through Open and Distance Learning* (pp. 7-21). Vancouver: Commonwealth of Learning.
- Danaher, P. A., & Umar, A. (Eds.). (2010). *Teacher education through open and distance learning*. Vancouver: Commonwealth of Learning.
- Daniel, J. (2010). Distance education: threats and opportunities: selected speeches and website blogs (pp. 36). Vancouver: Commonwealth of Learning.
- Dansereau, D. F., & Simpson, D. D. (2009). A picture is worth a thousand words: the case for graphic representations. *Professional Psychology: Research and Practice*, 40(1), 104-110.
- Darling-Hammond, L., Orcutt, S., Strobel, K., Kirsch, E., Lit, I., & Martin, D. (s.a.). *Feelings count: emotions and learning*: Stanford University School of Education.
- Das Gupta, K. (2009). *Towards an inclusive knowledge society: role of joint use libraries in Indian academic and public library sectors*. Paper presented at the ICAL 2009. Retrieved 4 November 2011, from http://crl.du.ac.in/ical09/papers/index_files/ical-80_228_484_4_RV.pdf
- Davenport, D. (2005). *Developing an eLearning support model*. Paper presented at the SIGUCCS'05,. Retrieved 25 July 2010,

- Davenport, E., & Hall, H. (2002). Organizational knowledge and communities of practice. *Journal*, 36, 171-227
- David, P. A., & Foray, D. (2001). *An introduction to the economy of the knowledge society*. Oxford: Department of Economics.
- Davies, J., & Graff, M. (2005). Performance in e-learning: online participation and student grades. *British Journal of Educational Technology*, 36(4), 657-663.
- Davies, J., & Jacobs, J. (2007). How e-learning is evolving to become an essential contact center tool. Retrieved 30 October, 2008, from http://www.gartner.com/DisplayDocument?ref=g_key&id=532111
- Davis, F. D., Bagozzi, R. P., & Warshaw, P. R. (1989). User acceptance of computer technology: a comparison of two theoretical models. *Management Science*, 35(8), 982-1003.
- Davis, F. D., & Venkatesh, V. (1995, 3-6 January). *Measuring user acceptance of emerging information technologies: an assessment of possible method biases*. Paper presented at the Proceedings of the 28th Annual Hawaii International Conference on System Sciences (HICSS '95), Kihei, Maui, Hawaii.
- Davis, N. (2008). How May Teacher Learning Be Promoted For Educational Renewal with IT? In J. Voogt & D. G. Knezek (Eds.), *International Handbook of Information Technology in Primary and Secondary Education* (Vol. 1, pp. 507-516). New York: Springer.
- Davis, R., & Wong, D. (2007). Conceptualizing and measuring the optimal experience of the eLearning environment. *Decision Sciences Journal of Innovative Education*, 5(1), 97-126.
- Davis, R. A. (1985). Social structure, belief, attitude, intention, and behavior: a partial test of Liska's revisions. *Social Psychology Quarterly*, 48(1), 89-93.
- Dawson, C. (2008). Web modules: integrating curricula and technology standards. *Journal*, 16(1), 3-20. Retrieved from http://www.edilib.org/d/24185/article_24185.pdf
- Day, K. J. (2007). *Supporting the emergence of a shared services organisation: managing change in complex health ICT projects*. Unpublished PhD, University of Auckland, Auckland.
- De Bakker, G., Sloep, P. B., & Jochems, W. M. G. (2007). Students and instant messaging: survey on current use and demans for higher education. *Research in Learning Technology*, 15(2), 143-153.
- De Byl, P., & Taylor, J. (2007). A Web 2.0/Web3D hybrid platform for engaging students in e-learning environments. *Journal*, 8(3), 108-127. Retrieved from http://tojde.anadolu.edu.tr/tojde27/articles/article_7.htm
- De Castell, S., & Luke, A. (1986). Models of literacy in North American schools: social and historical conditions and consequences. In S. De Castell, A. Luke & K. Egan (Eds.), *Literacy, society, and schooling* (pp. 87-109). New york: Cambridge University Press.

- De Freitas, S., & Neumann, T. (2009). Pedagogic strategies supporting the use of synchronous audiographic conferencing: a review of the literature. *British Journal of Educational Technology*, 40(6), 980-998.
- De Freitas, S., & Oliver, M. (2005). Does e-learning policy drive change in Higher Education? A case study relating models of organisational change to e-learning implementation. *Journal of Higher Education Policy & Management*, 27(1), 81-95.
- De Freitas, S., Rebolledo-Mendez, G., Liarokapis, F., Magoulas, G., & Poulouvassilis, A. (2010). Learning as immersive experiences: using the four-dimensional framework for designing and evaluating immersive learning experiences in a virtual world. [Article]. *British Journal of Educational Technology*, 41(1), 69-85.
- De Koning, B. B., Tabbers, H. K., Rikers, R. M. J. P., & Paas, F. (2010). Attention guidance in learning from a complex animation: seeing is understanding? [doi: DOI: 10.1016/j.learninstruc.2009.02.010]. *Learning and Instruction*, 20(2), 111-122.
- De la Sablonnière, R., Taylor, D. M., & Sadykova, N. (2009). Challenges of applying a student-centered approach to learning in the context of education in Kyrgyzstan. *International Journal of Educational Development*, 29(6), 628-634.
- De Leng, B. A., Dolmans, D. H. J. M., Donkers, H. H. L. M., Muijtjens, A. M. M., & Van der Vleuten, C. P. M. (2010). Instruments to explore blended learning: modifying a method to analyse online communication for the analysis of face-to-face communication. [doi: DOI: 10.1016/j.compedu.2010.02.024]. *Computers & Education*, 55(2), 644-651.
- De Simone, C. (2006). Preparing our teachers for distance education. *College Teaching*, 54(1), 183-184.
- De Vega, C. A., McAnally-Salas, L., & Lavigne, G. (2009). Attitudes and perceptions of students in a systems engineering e-learning course *Acta Didactica Napocensia*, 2(3), 96-110.
- De Villiers, M. R. (2002). *The dynamics of theory and practice in instructional systems design*. University of Pretoria, Pretoria.
- De Vos, A. S., Strydom, H., Fouche, C. B., & Delport, C. S. L. (2005). *Research at grassroots for the social science and human service professions* (3rd ed.). Pretoria: Van Schaik.
- De Vries, F. (2005, 14-15 November). *Open source for education in Europe: research and practice*. Paper presented at the Open Source for Education in Europe: Research and Practice: Conference Proceedings, Heerlen, Netherlands.
- De Vries, W., & Handley, A. J. (2007). A web-based micro-simulation program for self-learning BLS skills and the use of an AED: can laypeople train themselves without a manikin? [doi: DOI: 10.1016/j.resuscitation.2007.05.014]. *Resuscitation*, 75(3), 491-498.
- DeBoer, J. (2009). The relationship between environmental factors and usage behaviors at 'Hole-in-the-wall' computers. *International Journal of Educational Development*, 29(1), 91-98.

- Dede, C. (1989). *The evolution of distance learning: technology-mediated interactive learning*. .
- Dede, C. (1997). Rethinking: how to invest in technology. *Educational Leadership*, 55(3), 12-16.
- Dede, C. (2005). Planning for Neomillennial learning styles. *EDUCAUSE Quarterly*, 28(1), 7-12.
- Dede, C. (2005). Planning for Neomillennial learning styles: implications for investments in technology and faculty. In D. G. Oblinger (Ed.), *Educating the Net Generation* (pp. 264). Washington: EDUCAUSE.
- Deetz, S. (1996). Describing differences in approaches to organization science: rethinking Burrell and Morgan and their legacy. *Organization Science*, 7(2), 191-207.
- Dehghani, M., Malekzadeh, A., & Pakmehr, H. (2011). Investigating the possibility of using IT programs in high schools. *Procedia - Social and Behavioral Sciences*, 15(0), 2395-2399.
- Delrio, C., & Fischer, T. (2007). HELIOS: redefining e-learning territories. *Journal*, 4. Retrieved from <http://www.elearningpapers.eu>
- Demiray, U. (2011). Distance education and eLearning practices: in Turkey and Eastern countries, *eLearning Papers* (Vol. 24).
- Deng, L., & Yuen, A. H. K. (2007). Connecting adult learners with an online community: challenges and opportunities. *Research and Practice in Technology Enhanced Learning*, 2(3), 195-212.
- Denscombe, M. (2008). Communities of practice: a research paradigm for the mixed methods approach. *Journal of Mixed Methods Research*, 2(3), 270-283.
- Denton, L. F., & McKinney, D. (2004). *Affective factors and student achievement: a quantitative and qualitative study*. Paper presented at the 34th ASEE/IEEE Frontiers in Education Conference. Retrieved 5 May 2011, from <http://fie.engrng.pitt.edu/fie2004/papers/1447.pdf>
- Department of Education. (2004). White paper on e-Education: transforming learning and teaching through Information Communication Technologies (ICTs). Retrieved 12 March, 2011, from http://www.capegateway.gov.za/eng/publications/white_papers/2004/93586
- Derryberry, A. (2010). Dispatch from the digital frontier: digital dust bunnies. *Journal*, December 28, 2010, 1-2. Retrieved from http://www.learningsolutionsmag.com/articles/608/?utm_campaign=ls...
- Der-Thang, C., Hung, D., & Yu-Mei, W. (2007). Educational design as a quest for congruence: the need for alternative learning design tools. [Article]. *British Journal of Educational Technology*, 38(5), 876-884.
- Dhar, R., & Wertenbroch, K. (2000). Consumer choice between hedonic and utilitarian goods. *Journal of Marketing Research*, 37(1), 60-71.

- Dicheva, D., & Dichev, C. (2006). TM4L: creating and browsing educational topic maps. *Journal*. Retrieved from <http://compsci.wssu.edu/iis/nsdl/Publications/BJET06-Dicheva-Dichev-Submitted.pdf>
- Dickenson, M., Pedler, M., & Burgoyne, J. (2007). Virtual action learning: what's going on? *Journal*, 11. Retrieved from www.elearningpapers.eu
- Dictionary.com. (2011). Emotion. Retrieved 30 June, 2011, from <http://dictionary.reference.com/browse/emotion>
- Dietze, S., Gugliotta, A., & Dominique, J. (2007). Context-adaptive learning designs by using semantic web services. *Journal*, (3). Retrieved from <http://jime.open.ac.uk/2007/03>
- DiGiacinto, D. (2007). Using multimedia effectively in the teaching-learning process. *Journal of Allied Health*, 36(3), 176.
- Dillon, C. L., Gunawardena, C. N., & Parker, R. (1992). Learner support: the critical link in distance education. *Distance Education*, 13(1), 29-45.
- Dillon, P. (2006). Creativity, integrativism and a pedagogy of connection. [doi: DOI: 10.1016/j.tsc.2006.08.002]. *Thinking Skills and Creativity*, 1(2), 69-83.
- Dirani, K. M., & Yoon, S. W. (2009). Exploring open distance learning at a Jordanian university: a case study. *International Review of Research in Open and Distance Learning*, 10(2), 1-18.
- Disabled World.com. (2007). What is embarrassment? Retrieved 7 July, 2011, from <http://www.disabled-world.com/artman/publish/embarrassment.shtml>
- Dockrell, S., Earle, D., & Galvin, R. (2010). Computer-related posture and discomfort in primary school children: the effects of a school-based ergonomic intervention. [doi: DOI: 10.1016/j.compedu.2010.01.013]. *Computers & Education*, 55(1), 276-284.
- Dodero, J. M., Zarraonandia, T., Fernández, C., & Díez, D. (2007). Generative adaptation and reuse of competence development programmes. *Journal*, (4). Retrieved from <http://jime.open.ac.uk/2007/04>
- Doering, A. (2006). Adventure learning: transformative hybrid online education. *Distance Education*, 27(2), 197-215.
- Dondi, C. (2007). The underground rivers of innovative e-Learning: a preview from the HELIOS Yearly Report 2006/07. *Journal*, 4. Retrieved from <http://www.elearningeuropa.info/files/media/media12720.pdf>
- Dooley, L. M., Metcalf, T., & Martinez, A. (1999). A study of the adoption of computer technology by teachers. *Educational Technology & Society*, 2(4), 107-118.
- Dooner, A.-M., Mandzuk, D., & Clifton, R. A. (2008). Stages of collaboration and the realities of professional learning communities. [doi: DOI: 10.1016/j.tate.2007.09.009]. *Teaching and Teacher Education*, 24(3), 564-574.
- Downes, S. (2005). E-Learning 2.0. *Journal*, 11. Retrieved from <http://www.elearnmag.org/subpage.cfm?section=articles&article=29-1>

- Downes, S. (2011). Free learning: essays on Open Educational Resources and copyright. Retrieved 28 December, 2011, from <http://www.downes.ca/files/FreeLearning.pdf>
- Draper, S. W. (2002, 5 June 2008). Learning styles (notes). Retrieved 20 November, 2008, from <http://www.psy.gla.ac.uk/~steve/lstyles.html>
- Dron, J., & Anderson, T. (2009). How the crowd can teach. In S. Hatzipanagos & S. Wartburton (Eds.), *Handbook of Research on Social Software and Developing Community Ontologies* (pp. 17): Information Science Reference.
- Dryden-Peterson, S., & Sieborger, R. (2006). Teachers as memory makers: testimony in the making of a new history in South Africa. *International Journal of Educational Development*, 26(4), 394–403.
- Du Vivier, E. (2010). *A sustainable open schooling system for Ghana: report of a short-term consultancy to devise strategies for the Centre for National Distance Learning & Open Schooling (CENDLOS)*. Vancouver: Commonwealth of Learning.
- Dubé, L., & Morgan, M. S. (1998). Capturing the dynamics of in-process consumption emotions and satisfaction in extended service transactions. *International Journal of Research in Marketing*, 15(4), 309-320.
- Duncan-Howell, J. (2009). eCAF: a new tool for the conversational analysis of electronic communication. [Article]. *British Journal of Educational Technology*, 40(6), 1014-1027.
- Duncombe, R., & Heeks, R. (2002). Enterprise across the digital divide: information systems and rural microenterprise in Botswana. *Journal of International Development*, 14(1), 61-74.
- Dunn, H. S. (2009). From voice ubiquity to mobile broadband: challenges of technology transition among low-income Jamaicans. *info*, 11(2), 95-111.
- Durndell, A., & Haag, Z. (2002). Computer self efficacy, computer anxiety, attitudes towards the Internet and reported experience with the Internet, by gender, in an East European sample. *Computers in Human Behavior*, 18(5), 521-535.
- Durrant, C., & Green, B. (2000). Literacy and the new technologies in school education: meeting the l(IT)eracy challenge? *Australian Journal of Language and Literacy*, June 1, 18.
- Dutta, S., Lopez-Claros, A., & MIA, I. (2006). *Global information technology report 2005–2006: executive summary*. World Economic Forum & INSEAD.
- Duval, E., & Verbert, K. (2008). On the role of technical standards for learning technologies. *IEEE Transactions on Learning Technologies*, 1(4), 229-234.
- Earle, A. (2002). Designing for pedagogical flexibility - experiences from the CANDLER project. *Journal*, (4). Retrieved from <http://www-jime.open.ac.uk/2002/4>
- Ebner, M., & Holzinger, A. (2007). Successful implementation of user-centered game based learning in higher education: an example from civil engineering. [doi: DOI: 10.1016/j.compedu.2005.11.026]. *Computers & Education*, 49(3), 873-890.

- Ebner, M., Lienhardt, C., Rohs, M., & Meyer, I. (2010). Microblogs in higher education - a chance to facilitate informal and process-oriented learning? [doi: DOI: 10.1016/j.compedu.2009.12.006]. *Computers & Education*, 55(1), 92-100.
- Ebner, M., Zechner, J., & Holzinger, A. (2006). *Why is Wikipedia so successful? Experiences in establishing the principles in Higher Education*. Paper presented at the Proceedings of I-KNOW 06, 6th International Conference on Knowledge Management, Graz, Austria.
- Economist Intelligence Unit. (2005). *The e-readiness rankings 2005: a white paper from the Economist Intelligence Unit*: Economist.
- Economist Intelligence Unit. (2006). *Digital divide narrows, according to seventh annual e-readiness rankings*: Economist.
- Economist Intelligence Unit. (2007). *The 2007 e-readiness rankings: raising the bar*: Economist
- IBM Institute for Business Value.
- Economist Intelligence Unit. (2008). *E-readiness rankings 2008: maintaining momentum*: Economist.
- Editorial. (2009). Discourse and context: national and international conceptions of education and development. *International Journal of Educational Development*, 29(6), 547–549.
- Egan, T. M., Yang, B., & Bartlett, K. R. (2004). The effects of organizational learning culture and job satisfaction on motivation to transfer learning and turnover intention *Human Resource Development Quarterly*, 15(3), 279-301.
- Egenfeldt-Nielsen, S. (2007). Third generation educational use of computer games. *Journal of Educational Multimedia and Hypermedia*, 16(3), 263-281.
- Ehlers, U.-D. (2011). From open educational resources to open educational practices *Journal*, 23. Retrieved from <http://www.elearningeuropa.info/files/media/media25161.pdf>
- Ehlers, U.-D., Goertz, L., Hildebrandt, B., & Pawlowski, J. M. (2005). *Quality in e-learning: use and dissemination of quality approaches in European e-learning: a study by the European Quality Observatory* (No. 116). Luxembourg: European Centre for the Development of Vocational Training.
- Eidelman, L., & Hazzan, O. (2005). *Factors influencing the shrinking pipeline in high schools: a sector-based analysis of the Israeli high school system*. Paper presented at the SIGCSE '05: 36th SIGCSE technical symposium on Computer science education Retrieved 21 January 2012, from http://delivery.acm.org.nwulib.nwu.ac.za/10.1145/1050000/1047478/p406-eidelman.pdf?ip=143.160.38.146&acc=ACTIVE%20SERVICE&CFID=62931762&CF_TOKEN=44486914&__acm__=1327178933_9afb5d3cab1e798bee194a799fc63778
- e-Inclusion Ministerial Conference & EXPO. (2008). *Digital Literacy European Commission working paper and recommendations from Digital Literacy High-Level Expert Group*. Vienna: e-Inclusion Ministerial Conference & EXPOt.

- Eisenberg, M., & Eisenberg, A. N. (1998). Shop class for the next millennium: education through computer-enriched handicrafts. *Journal*, (8). Retrieved from <http://www-jime.open.ac.uk/98/8>
- Ekong, J. I., & Jerry, P. (2004). What factors facilitate distance learning? Experiences of counselling education graduate students. Retrieved 10 January, 2009, from <http://www.unb.ca/naweb/04/papers/EkongJerry.html>
- El-Bishouty, M. M., Ogata, H., Ayala, G., & Yano, Y. (2010). Context-aware support for self-directed ubiquitous-learning. *International Journal of Mobile Learning and Organisation*, 4(3), 317-331.
- Elliott, M. S., & Scacchi, W. (2004). *Free software development: cooperation and conflict in a virtual organizational culture*.
- Ellis, C. (2004). Educational Technology Framework – (Gilfus Model). Retrieved 26 September, 2012, from <http://www.gilfuseducationgroup.com/gilfus-model-the-educational-technology-framework>
- Ellis, N. C. (2006). Selective attention and transfer phenomena in L2 acquisition: contingency, cue competition, salience, interference, overshadowing, blocking, and perceptual learning. *Applied Linguistics*, 27(2), 164-194.
- Ellis, R. A., Ginns, P., & Piggott, L. (2009). E-learning in higher education: some key aspects and their relationship to approaches to study. *Higher Education Research & Development*, 28(3), 303-318.
- Ellis, S., & Steyn, H. S. (2003). Practical significance (effect sizes) versus or in combination with statistical significance (p-values). *Management Dynamics*, 12(4), 51-53.
- Elloumi, F. (2004). Value Chain analysis: A strategic approach to Online Learning. In T. Anderson & F. Elloumi (Eds.), *Theory and Practice of Online Learning* (pp. 61-92). Athabasca: Athabasca University.
- Elmore, R. F. (2002). *Bridging the gap between standards and achievement: the imperative for professional development in education*: Albert Shanker Institute
- Elton, L. (1999). New ways of learning in Higher Education: Managing the change. *Tertiary Education and Management*, 5, 207-225.
- Elton, L. (2010). Academic writing and tacit knowledge. *Teaching in Higher Education*, 15(2), 151-160.
- Ely, D. (2008). Frameworks of educational technology. [Article]. *British Journal of Educational Technology*, 39(2), 244-250.
- Emerson, L., & MacKay, B. (2010). A comparison between paper-based and online learning in higher education. *Journal*, 42(5), 727-735. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123492346/PDFSTART>. doi:10.1111/j.1467-8535.2010.01081.x
- Engelbrecht, E. (2003). A look at e-learning models: investigating their value for developing an e-learning strategy. *Progressio*, 25(2), 38-47.

- Engelbrecht, W., Ankiewicz, P., & De Swardt, E. (2007). An industry-sponsored, school-focused model for continuing professional development of technology teachers. *South African Journal of Education*, 27(4), 579–595.
- Enslin-Payne, S. (2010). SA school attendance drops: direct link to jobless rate. Retrieved 7 May, 2010, from http://busrep.co.za/general/print_article.php...
- Ensor, P. (2003). The National Qualifications Framework and higher education in South Africa: some epistemological issues. *Journal of Education & Work*, 16(3), 325.
- Ernst, J. V. (2008). A comparison of traditional and hybrid online instructional presentation in communication technology. *Journal of Technology Education*, 19(2), 40-49.
- Errington, E. (2001). The influence of teacher beliefs on flexible learning innovation in traditional university settings. In F. Lockwood & A. Gooley (Eds.), *Innovation in open and distance learning. Successful development of online and web-based learning* (pp. 27-37). London: Kogan Page Ltd.
- Escobedo del Cid, J. P., Valentín, L. d. I. F., Gutiérrez, S., Pardo, A., & Kloos, C. D. (2007). Implementation of a learning design run-time environment for the .LRN learning management system. *Journal*, (7). Retrieved from <http://jime.open.ac.uk/2007/07>
- Eshet-Alkalai, Y. (2004). Digital literacy: a conceptual framework for survival skills in the digital era. *Journal of Educational Multimedia and Hypermedia*, 13(1), 93.
- Eshet-Alkalai, Y., & Aydin, C. H. (2009). A bridge over troubled waters: learning technologies in the Middle East. [Regional Focus Issue Editorial]. *International Review of Research in Open and Distance Learning*, 10(2), 1-4.
- Esselaar, S., Gillwald, A., & Stork, C. (2008). *Towards an African e-Index 2007 telecommunications sector performance in 16 African countries: a supply-side analysis of policy outcomes: Research ICT Africa! (RIA!)*.
- Esterhuizen, H. D. (2012). Researcher's diary: Integration of Learning Technologies.
- Esterhuizen, H. D. (2012). Submerged Support: Integration of Learning Technologies in Open Distance Learning at NWU—A Position Paper. North-West University.
- Esterhuizen, H. D., & Blignaut, A. S. (2011, 2-5 October). *A Localized Socially Transformative Learning Technology Integration Framework for ODL*. Paper presented at the 24th ICDE World Conference on Open & Distance Learning: Expanding Horizons - New approaches to Open and Distance learning (ODL), Nusa Dua, Bali.
- Esterhuizen, H. D., Blignaut, A. S., & Ellis, S. M. (2012). Looking out and looking in: Exploring a case of faculty perceptions during e-learning staff development.
- Esterhuizen, H. D., Blignaut, A. S., Ellis, S. M., & Els, C. J. (2012). ODL students' perceived computer literacy competencies, expectations of support, intention to use and perseverance.
- Esterhuizen, H. D., Blignaut, A. S., Els, C. J., & Ellis, S. M. (2012, 26-29 June). *Computer Literacy Learning Emotions of ODL Teacher-Students*. Paper presented at the EdMedia 2012: World Conference on Educational Media & Technology, Denver, CO.

- Esteves, M., Fonseca, B., Morgado, L., & Martins, P. (2010). Improving teaching and learning of computer programming through the use of the Second Life virtual world. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123337031/PDFSTART>. doi:10.1111/j.1467-8535.2010.01056.x
- Esteves, M., Fonseca, B., Morgado, L., & Martins, P. (2011). Improving teaching and learning of computer programming through the use of the Second Life virtual world. [Article]. *British Journal of Educational Technology*, 42(4), 624-637.
- Etkind, M., & Shafrir, U. (2006, 5-7 July). *Structured eLearning for depth*. Paper presented at the Proceedings of the Sixth International Conference on Advanced Learning Technologies (ICALT'06), Kerkrade.
- European Association for Quality Assurance in Higher Education. (2005). *Standards and guidelines for quality assurance in the European higher education area*. Helsinki.
- European Commission. (2005-8). *What is the Lisbon Strategy for growth and jobs?*
- European Commission. (2009). *Work programme 2009-10: agreed by ICT Programme Committee*: European Commission.
- European Commission. CORDIS. (2009). Seventh Framework Programme (FP7). Retrieved 4 October, 2009, from <http://cordis.europa.eu/fp7/>
- European Schoolnet. (2007). *Evaluation framework for the use of ICT in education*.
- European Union. European Commission. (2009). i2010 - A European Information Society for growth and employment. Retrieved 19 February, 2009, from http://ec.europa.eu/information_society/eeurope/i2010/index_en.htm
- European Union. Ministers for Vocational Education and Training. (2010). *The Bruges Communiqué on enhanced European cooperation in vocational education and training for the period 2011-2020*. Bruges: European Union.
- Evans, C. (2008). The effectiveness of m-learning in the form of podcast revision lectures in higher education. *Computers & Education*, 50(2), 491-498.
- Evans, J., & Little, A. W. (2007). The role of UK qualification suppliers in Sri Lanka and Zimbabwe: a comparative evaluation. *International Journal of Educational Development*, 27(5), 525-541.
- Ezati, B. A., Ocheng, M. K., Ssentamu, P. N., & Sikoyo, L. N. (2010). Enhancing quality of student teachers' practices through reflective journal writing during school practice. *Perspectives in Education*, 28(2), 31-40.
- Falls, J. A. (2001). *Using a reflective process to implement electronic portfolios*. Virginia Polytechnic Institute, Blacksburg, Vi.
- Farrell, G., Isaacs, S., & Trucano, M. (2007). *Survey of ICT and Education in Africa: 53 country reports*. Washington, DC: infoDev / World Bank.
- Farrell, G. A., Cubit, K. A., Bobrowski, C. L., & Salmon, P. (2007). Using the WWW to teach undergraduate nurses clinical communication. [doi: DOI: 10.1016/j.nedt.2006.07.005]. *Nurse Education Today*, 27(5), 427-435.

- Farzanfar, R. (2006). When computers should remain computers: a qualitative look at the humanization of health care technology. *Health Informatics Journal*, 12(3), 239–254.
- Fataar, A. (2007). Educational renovation in a South African 'township on the move': a social-spatial analysis. [doi: DOI: 10.1016/j.ijedudev.2006.10.019]. *International Journal of Educational Development*, 27(6), 599-612.
- Fathian, M., Akhavan, P., & Hoorali, M. (2008). E-readiness assessment of non-profit ICT SMEs in a developing country: the case of Iran. *Technovation*, 28(9), 578-590.
- Faulkner, J. B. (2002). *Baldrige educational quality criteria as another model for accreditation in American community colleges*. Unpublished D.Ed, Oregon State University.
- Fei, F. (2009). *Abstract conceptualisation of human behaviour in OM research: a grounded theory perspective*. Paper presented at the POMS 20th Annual Conference. Retrieved 19 July 2010, from <http://coba.georgiasouthern.edu/hanna/FullPapers/011-0175.pdf>
- Feldon, D. F., & Yates, K. A. (2007). Increasing validity in the evaluation of new distance learning technologies. *Computers in Human Behavior*, 23(5), 2355-2366.
- Fenn, J. (2009). Most valuable technologies: survey results for emerging-technology adoption and management. Retrieved 13 November, 2009, from http://my.gartner.com/portal/server.pt/gateway/PTARGS_0_188656_353...
- Fenn, J. (2011). Trends that matter: 84 technology, societal and business trends. Retrieved 14 November, 2011, from http://my.gartner.com/resources/213100/213134/trends_that_matter_84 techno_213134.pdf?li=1
- Fernández, L. M. R. (2008). *A prospective vision for universities: the role of the technology transfer units and distance education*. Ecuador: Universidad Tecnica Partidular de Loja.
- Fernández, M. À. P. (2010). From analog to digital: new ways of teaching and learning A quick view of ICT in Spanish schools. *Journal*, 18, 1-11. Retrieved from www.elearningpapers.eu
- Fernandez, V., Simo, P., & Sallan, J. M. (2009). Podcasting: a new technological tool to facilitate good practice in higher education. [doi: DOI: 10.1016/j.compedu.2009.02.014]. *Computers & Education*, 53(2), 385-392.
- Ferreira, S. A. T., & De Andrade, A. M. V. (2011). Models and instruments for assessing technology enhanced learning environments in higher education. *Journal*, 24. Retrieved from <http://www.elearningeuropa.info/files/media/media25533.pdf>
- Fetaji, B., & Fetaji, M. (2009). e-Learning indicators: a multi-dimensional model for planning and evaluating and evaluating e-learning software solutions. *Journal*, 7(1), 1-28. Retrieved from http://www.ejel.org/Volume-7/v7-i1/Fetaji_and_Fetaji.pdf
- Fill, K., Leung, S., DiBiase, D., & Nelson, A. (2006). Repurposing a learning activity on academic integrity: the experience of three universities. *Journal*, (1). Retrieved from <http://jime.open.ac.uk/2006/01>

- Finger, G., Jamieson-Proctor, R., & Albion, P. (2010). Beyond pedagogical content knowledge: the importance of TPACK for informing preservice teacher education in Australia. In N. Reynolds & M. Turcsanyi-Szabo (Eds.), *Key competencies in the knowledge society. IFIP Advances in Information and Communication Technology* (pp. 114-125). Heidelberg: Springer.
- Fini, A. (2009). The technological dimension of a massive open online course: the case of the CCK08 course tools. *International Review of Research in Open and Distance Learning*, 10(5), 1-26.
- Fischer, G., & Scharff, E. (1998). Learning technologies in support of self-directed learning. *Journal*, (4). Retrieved from <http://www-jime.open.ac.uk/98/4>
- Fishbein, M., & Ajzen, I. (1974). Attitudes towards objects as predictors of single and multiple behavioral criteria. *Psychological Review*, 81(1), 59-74.
- Fishbein, M., & Ajzen, I. (1975). Belief, attitude, intention, and behavior: an introduction to theory and research, Available from <http://people.umass.edu/aizen/f&a1975.html>
- Flick, L. B., & Lederman, N. G. (2003). Popular theories--unpopular research. *School Science and Mathematics*, 103(3), 117-120.
- Florian, B. E., Baldiris, S. M., Fabregat, R., & Manotas, A. D. I. H. (2010, 5-7 July). *A set of software tools to build an author assessment package on Moodle: implementing the AEEA Proposa*. Paper presented at the 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), Sousse, Tunisia.
- Fluck, A. E. (2001). Some national and regional frameworks for integrating information and communication technology into school education. *Educational Technology & Society*, 3(3), 145-152.
- Foell, N. A. (1983). A new concern for teacher educators: computer literacy. *Journal of Teacher Education*, 35(4), 19-22.
- Fogerson, D. L. (2005). *Readiness factors contributing to participant satisfaction in online higher education courses*. Unpublished PhD, University of Tennessee, Knoxville.
- Forehand, M. (2005). Bloom's taxonomy: original and revised. *Emerging perspectives on learning, teaching, and technology* Retrieved 8 December, 2011, from <http://projects.coe.uga.edu/epltt/>
- Forman, D., Nyatanga, L., & Rich, T. (2002). E-learning and educational diversity. *Nurse Education Today*, 22(1), 76-82.
- Forstner, B., Kelényi, I., Csúcs, G., & Charaf, H. (2006). *Hybrid web- and mobile-based: e-learning with rich media support*. Paper presented at the Conference on Methods, Materials and Tools for Programming Education. Retrieved 5 February 2009, from http://www.codewitz.net/papers/MMT_90-96_HybridWeb_and_Mobile-based%20.pdf
- Fountain, W., & Thomson, S. (2001, 9-12 December). *Backyard wisdom and student insights in developing effective web-supported learning*. Paper presented at the Short Paper Proceedings of the 18th Annual Conference of the Australasian Society for Computers in Learning in Tertiary Education.

- Fourie, M., & Alt, H. (2000). Challenges to sustaining and enhancing quality of teaching and learning in South African universities. *Quality in Higher Education*, 6(2), 115-124.
- Fox, K. (2010). 'Belonging' as a subject specialist: challenging the barriers. *Journal*, 2. Retrieved from <http://bit.ly/tyfJ5M>
- Fox, S., & MacKeogh, K. (2003). Can e-learning promote higher-order learning without tutor overload? *Open Learning*, 18(2), 121-134.
- Francescato, D., Mebane, M., Porcelli, R., Attanasio, C., & Pulino, M. (2007). Developing professional skills and social capital through computer supported collaborative learning in university contexts. *International Journal of Human-Computer Studies*, 65(2), 140-152.
- Francis, J. J., Eccles, M. P., Johnston, M., Walker, A., Grimshaw, J., Foy, R., et al. (2004). *Constructing questionnaires based on the Theory of Planned Behaviour*. Newcastle: University of Newcastle: Centre for Health Services Research.
- Frank, M., Reich, N., & Humphreys, K. (2003). Respecting the human needs of students in the development of e-learning. *Computers & Education*, 40(1), 57-70.
- Franklin, T., & Van Harmelen, M. (2007). *Web 2.0 for content for learning and teaching in higher education*: Franklin Consulting and Mark van Harmelen.
- Fransman, A., Kok, I., Rabe, A., Swarts, P., & Van der Vyver, C. (2008). Portfolio workbook. North-West University, Potchefstroom Campus.
- Frau-Meigs, D., & Torrent, J. (2009). *Mapping media education policies in the world: visions, programmes and challenges*. New York: United Nations.
- Frechtling, J., & Sharp, L. (Eds.). (1997). *User-friendly handbook for mixed method evaluations*: Directorate for Education and Human Resources: Division of Research, Evaluation and Communication, National Science Foundation.
- Fredriksson, T. (2011). The Growing Possibilities of Information and Communication Technologies for Reducing Poverty. In S. Dutta & I. Mia (Eds.), *The Global Information Technology Report 2010–2011* (pp. 69-78). Geneva: World Economic Forum.
- Freebody, P. (1992). A socio-cultural approach: resourcing four roles as a literacy learner. In A. Watson & A. Badenhop (Eds.), *Prevention of Reading Failure*. Linfield, NSW: Scholastic Australia Pty Limited.
- Freebody, P., & Luke, A. (1990). Literacies programs: debates and demands in cultural context. *Journal*, 5(7-16). Retrieved from http://www.ameprc.mq.edu.au/resources/prospect/V5_N3_1990
- Freeman, J. (2010). Framework gives Setas greater say. Retrieved 7 May, 2010, from http://busrep.co.za/general/print_article.php...
- Freeman, R. (2004). *Planning and implementing open and distance learning systems: handbook for decision makers*. Vancouver: Commonwealth of Learning.
- Freeman, R., & Creed, C. (2005). *PREST: practitioner research and evaluation skills training in open and distance learning: user guide*. Vancouver: Commonwealth of Learning.

- Freeman, R., Kanwar, A., & Lentell, H. (2002). *Planning and implementing open distance learning systems*. Cape Town: Commonwealth of Learning.
- Freire, A. P., Linhalis, F., Bianchini, S. L., Fortes, R. P. M., & Pimentel, M. d. G. C. (2010). Revealing the whiteboard to blind students: an inclusive approach to provide mediation in synchronous e-learning activities. [doi: DOI: 10.1016/j.compedu.2009.09.016]. *Computers & Education*, 54(4), 866-876.
- Frempong, G. (2009). Mobile telephone opportunities: the case of micro- and small enterprises in Ghana. *info*, 11(2), 79-94.
- Friedland, G., Hürst, W., Knipping, L., & Muhlhäuser, M. (2009). Can we escape the trough of disillusionment? . *Journal*. Retrieved from <http://www.elearnmag.org/subpage.cfm?section=articles&article=74-1>
- Friesen, N. (2003). Three Objections to Learning Objects and E-learning Standards. Retrieved 15 April, 2005, from <http://www.learningspaces.org/n/papers/objections.html>
- Fuchs, C., Prandelli, E., & Schreier, M. (2010). The psychological effects of empowerment strategies on consumers' product demand. *Journal of Marketing*, 74(1), 65–79.
- Fuks, H., Gerosa, M. A., & Lucena, C. J. P. (2002). The development and application of distance learning on the Internet. *Journal*, 17(1). Retrieved from <http://www.les.inf.puc-rio.br/groupware>
- Fulkerth, R. (2009). A case study from Golden Gate University: using course objectives to facilitate blended learning in shortened courses. *Journal of Asynchronous Learning Networks*, 13(1), 43-54.
- G20. (2012). What is the G20? Retrieved 11 Sept., 2012, from <http://www.g20.org/index.php/en/g20>
- Gairín-Sallán, J., Rodríguez-Gómez, D., & Armengol-Asparó, C. (2010). Who exactly is the moderator? A consideration of online knowledge management network moderation in educational organisations. [doi: DOI: 10.1016/j.compedu.2010.01.016]. *Computers & Education*, 55(1), 304-312.
- Galanouli, D., & McNair, V. (2001). Students' perceptions of ICT-related support in teaching placements. *Journal of Computer Assisted Learning*, 17(4), 396-408.
- Gand, J. (2010). First look: Adobe Captivate 5. *Journal*, June 28, 2010, 1-11. Retrieved from http://www.learningsolutionsmag.com/articles/479/?utm_campaign=ls...
- Gannon, S., & Sawyer, W. (2007). "Whole language" and moral panic in Australia. *Journal*, 3(7). Retrieved from www.inased.org/v3n2/gannonsawyer.html
- GAO. (2002). *Higher Education: activities underway to improve teacher training, but reporting on these activities could be enhanced*. United States. General Accounting Office.
- Garcia, J. F. C. (2001). An instrument to help teachers assess learners' attitudes towards multimedia instruction. *Journal*, Fall, 1-15. Retrieved from http://findarticles.com/p/articles/mi_qa3673/is_1_122/ai_n28879473/

- García, P., Amandi, A., Schiaffino, S., & Campo, M. (2007). Evaluating Bayesian networks' precision for detecting students' learning styles. *Computers & Education*, 49(3), 794-808.
- García-Valcarcel, A. (2009). Integrating ICT into the teaching–learning process. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/122574008/PDFSTART>. doi:10.1111/j.1467-8535.2009.00988.x
- García-Valcárcel, A., & Tejedor, F. J. (2006). *Use of information and communication technology in higher education and lecturers' competencies*. Paper presented at the INFORMATEX. Retrieved 12 March 2011, from <http://www.formatex.org/micte2006/pdf/1787-1791.pdf>
- García-Valcárcel, A., & Tejedor, F. J. (2009). Information and communication technologies in university teaching: implications in European higher education space. *Journal*, 6(2), 683-696. Retrieved from <http://www.insanbilimleri.com/en>
- Garland, K. J., & Noyes, J. M. (2004). Computer experience: a poor predictor of computer attitudes. *Computers in Human Behavior*, 20(6), 823-840.
- Garland, K. J., & Noyes, J. M. (2008). Computer attitude scales: how relevant today. *Computers in Human Behavior*, 24(2), 563-575.
- Garraway, J. (2010). Knowledge boundaries and boundary-crossing in the design of workresponsive university curricula. *Teaching in Higher Education*, 15(2), 211-222.
- Garrison, D. R. (2007). Online community of inquiry review: social, cognitive, and teaching presence issues. *Journal of Asynchronous Learning Networks*, 11(1), 61-72.
- Garside, B. (2009). *Village voice: towards inclusive information technologies*. London: International Institute for Environment and Development.
- Gaskell, A., & Mills, R. (2009). *Using mobile technology for learner support in open schooling: a report to the Commonwealth of Learning*. Cambridge: St Edmund's College.
- Gefen, D., & Straub, D. (1997). Gender difference in the perception and use of e-mail: an extension to the Technology Acceptance Model. *MIS Quarterly*, 21(4), 389-400.
- Geisert, P., & Futrell, M. (1984). Computer literacy for teachers. *Journal*, (May). Retrieved from <http://www.ericdigests.org/pre-921/literacy.htm>
- Geith, C., & Vignare, K. (2008). Access to education with online learning and open educational resources: can they close the gap? *Journal of Asynchronous Learning Networks*, 12(1), 105-126.
- Georgina, D. A., & Hosford, C. C. (2008). Higher education faculty perceptions on technology integration and training. *Teaching and Teacher Education*, 25(5), 690-696.
- Georgina, D. A., & Olson, M. R. (2008). Integration of technology in higher education: a review of faculty self-perceptions. *The Internet and Higher Education*, 11(1), 1-8.

- GeoSINC International (2002). e-Readiness guide: how to develop and implement a national e-readiness action plan in developing countries, Available from <http://www.apdip.net/documents/evaluation/e-readiness/geosinc01042002.pdf>
- Gerhan, D. R., & Mutula, S. M. (2007). Testing a recent model of ICT in development: Botswana and its university. *Information Technology for Development, 13*(2), 177-197.
- GESCI. (2011). *Thematic paper: ICT, education, development and the knowledge society*: GeSCI,
- African Leadership in ICT Program,.
- Gesci. (s.a.). ICT teacher professional development matrix: draft. Retrieved 30 August, 2010, from <http://www.gesci.org/assets/files/ICT%20Teacher%20PD%20Matrix.pdf>
- Giavrimis, P., Giossi, S., & Papastamatis, A. (2011). Teachers' attitudes towards training in ICT: a critical approach. [DOI: 10.1108/09684881111158072]. *Quality Assurance in Education, 19*(3), 283-296.
- Gibbons, H. S., & Wentworth, G. P. (2001). *Andrological and pedagogical training differences for online instructors*. Paper presented at the Distance Learning Administration (DLA) 2001. Retrieved 20 December 2011, from http://www.westga.edu/~distance/ojdla/fall43/gibbons_wentworth43.html
- Gibson, S. E. (2002). Using a problem based, multimedia enhanced approach in learning about teaching. *Australian Journal of Educational Technology, 18*(3), 394-409.
- Gilbert, J., & Kelly, R. (2005). Frontiers and frontlines: metaphors describing lecturers' attitudes to ICT adoption. *Educational Technology & Society, 8*(3), 110-121.
- Gillen, J., Littleton, K., Twiner, A., Staarman, J. K., & Mercer, N. (2007). Using the interactive whiteboard to resource continuity and support multimodal teaching in a primary science classroom. *Journal of Computer Assisted Learning, 24*(4), 348-358.
- Gillen, J., Staarman, J. K., Littleton, K., Mercer, N., & Twiner, A. (2006). A "learning revolution"? *Investigating pedagogic practices around interactive whiteboards in British primary classrooms*. Paper presented at the AERA conference. Retrieved 1 January 2009, from http://oro.open.ac.uk/6385/1/AERA_paper_final.pdf
- Gillwald, A., Esselaar, S., Burton, P., & Stavrou, A. (2004). *Towards an e-index for South Africa: measuring household and individual access and usage of ICT*. Johannesburg: Link Centre.
- Given, J. (2008). The eclipse of the universal service obligation: taking broadband to Australians. *info, 10*(5/6), 92-106.
- Gladun, A., Rogushina, J., Garcl'a-Sanchez, F., Martínez-Béjar, R., & Fernández-Breis, J. T. (2009). An application of intelligent techniques and semantic web technologies in e-learning environments. *Expert Systems with Applications, 36*(2, Part 1), 1922-1931.
- Glaser, B., G. (1978). *Theoretical sensitivity advances in the methodology of grounded theory*. Mill Valley, Calif: The Sociology Press.

- Glotzbach, R. J., Mohler, J. L., & Radwan, J. E. (2009). Really simple syndication (RSS): an educational approach. *Journal*, (3). Retrieved from <http://jime.open.ac.uk/2009/03>
- Goeman, K., & De Vos, E. (2004). *A critical view of the European e-learning policy*. Paper presented at the Web-based Education, IASTED International Conference. Retrieved 31 December 2009, from <http://www-ice.upc.es/butlleti/innsbruck/416-056.pdf>
- Goffe, W. L., & Sosin, K. (2005). Teaching with technology: may you live in interesting times. *Journal of Economic Education*, 36(3), 278-291.
- Goggin, G. (2008). The mobile turn in universal service: prosaic lessons and new ideals. *info*, 10(5/6), 46-58.
- Gokool-Ramdoos, S. (2009). Policy deficit in distance education: a transactional distance. *International Review of Research in Open and Distance Learning*, 10(4), 1-21.
- Goktalay, S. B., & Huguet, M.-P. (2008). *Faculty concerns about online technologies in a developing country*. Paper presented at the EDMEDIA: World Conference on Educational Multimedia, Hypermedia and Telecommunications. Retrieved 20 December 2008, from <http://www.editlib.org/index.cfm?fuseaction=Reader.ViewAbstract&pape...>
- Goktas, Y., Yildirim, S., & Yildirim, Z. (2009). Main barriers and possible enablers of ICTs integration into pre-service teacher education programs. *Educational Technology & Society*, 12(1), 193-204.
- Gold, S. (2001). A constructivist approach to online training for online teachers. *Journal of Asynchronous Learning Networks*, 5(1), 35-57.
- Goldman, B. L., Martin, E. D., Calamari, J. E., Woodard, J. L., Chik, H. M., Messina, M. G., et al. (2008). Implicit learning, thought-focused attention and obsessive-compulsive disorder: a replication and extension. [doi: DOI: 10.1016/j.brat.2007.10.004]. *Behaviour Research and Therapy*, 46(1), 48-61.
- Goldman, Z. (2011). Balancing quality and workload in asynchronous online discussions: a win-win approach for students and instructors. *Journal*, 7(2). Retrieved from http://jolt.merlot.org/vol7no2/goldman_0611.htm
- Goleman, D. (1995). *Emotional intelligence*. New York: Bantam Books.
- Goles, T., & Hirschheim, R. (2000). The paradigm is dead, the paradigm is dead...long live the paradigm: the legacy of Burrell and Morgan. *Omega*, 28(3), 249-268.
- Golightly, A., Nieuwoudt, H. D., & Richter, B. W. (s.a.). Die implikasies van 'n konstruktivistiese paradigma in die opleiding van onderwysstudente in geografie. *Journal*, 1-13. Retrieved from http://www.puk.ac.za/opencms/export/PUK/html/fakulteite/opvoed/educ/Redaksie/SA-eDUC_Red_NPR_01_Golightly.pdf
- Gómez-Chacón, I. M., & Haines, C. (2008). *Students' attitudes to mathematics and technology. Comparative study between the United Kingdom and Spain*. Paper presented at the ICME-11: 11th International Congress on Mathematical Education. Retrieved 8 December 2011, from <http://tsg.icme11.org/document/get/924>

- Gong, W., Li, Z. G., & Stump, R. L. (2007). Global internet use and access: cultural considerations. *Asia Pacific Journal of Marketing and Logistics*, 19(1), 57-74.
- Gonzalez-Barbone, V., & Anido-Rifon, L. (2010). From SCORM to common cartridge: a step forward. *Computers & Education*, 54(1), 88-102.
- Goodyear, P. (2005). Educational design and networked learning: patterns, pattern languages and design practice. *Australasian Journal of Educational Technology*, 21(1), 82-101.
- Goodyear, P., Salmon, G., Spector, J. M., Steeples, C., & Tickner, S. (2001). Competences for online teaching: a special report. *Educational Technology, Research and Development*, 49(1), 65-72.
- Goswami, D. (2006). *A review of the network readiness index*.
- Grace, J., & Kenny, C. (2003). A short review of information and communication technologies and basic education in LDCs--what is useful, what is sustainable? *International Journal of Educational Development*, 23(6), 627-636.
- Granic, A., Mifsud, C., & Cukusic, M. (2009). Design, implementation and validation of a Europe-wide pedagogical framework for e-Learning. *Computers & Education*, 53(4), 1052-1081.
- Grant Lewis, S., & Naidoo, J. (2006). School governance and the pursuit of democratic participation: lessons from South Africa. *International Journal of Educational Development*, 26(4), 415-427.
- Graupner, M., Nickoson-Massey, L., & Blair, K. (2009). Remediating knowledge-making spaces in the graduate curriculum: developing and sustaining multimodal teaching and research. *Computers and Composition*, 26(1), 13-23.
- Graves, W. H. (1997). "Free trade" in higher education: the meta university. *Journal of Asynchronous Learning Networks*, 1(1), 97-108.
- Graves, W. H. (2004). Academic redesign: accomplishing more with less. *Journal of Asynchronous Learning Networks*, 8(1), 26-38.
- Great Britain. Department for Culture, M. a. S. a. D. f. B., Innovation and Skills,. (2009). *Digital Britain: final report* (No. URN 09/1026). London: The Secretary of State for Culture, Media and Sport and the Minister for Communications, Technology and Broadcasting.
- Greaves, L., Roller, S., & Bradley, C. (2010). Repurposing with a purpose: a story with a happy ending. *Journal*, (5). Retrieved from <http://jime.open.ac.uk/2010/05>
- Greene, J. A., Bolick, C. M., & Robertson, J. (2010). Fostering historical knowledge and thinking skills using hypermedia learning environments: the role of self-regulated learning. *Computers & Education*, 54(1), 230-243.
- Greene, J. C., & Caracelli, V. F. (2003). Making Paradigmatic Sense of Mixed Methods Practice. In A. Tashakkori & C. Teddlie (Eds.), *Handbook of mixed methods in social and behavioral research* (pp. 91-110). Thousand Oaks: Sage Publications.

- Grepperud, G., Stokken, A., & Toska, J. (2002). Out of the shadow and Into the spotlight - The development of distance teaching in Norwegian higher education. *International Review of Research in Open and Distance Learning*, 2(2), 1-13.
- Griffin, D. K., Mitchell, D., & Thompson, S. J. (2009). Podcasting by synchronising PowerPoint and voice: what are the pedagogical benefits? *Computers & Education*, 53(2), 532-539.
- Grizzell, J. (2007, 24 September 2008). Behavior change theories and models. Retrieved 24 September, 2008, from www.csupomona.edu/~jvgrizzell/home.html
- Gross, M., & Voegeli, C. (2007). A multimedia framework for effective language training. [doi: DOI: 10.1016/j.cag.2007.09.001]. *Computers & Graphics*, 31(5), 761-777.
- Grossman, G. M., Sands, M. K., & Brittingham, B. (2010). Teacher education accreditation in Turkey: the creation of a culture of quality. *International Journal of Educational Development*, 30(1), 102-109.
- Gudauskas, R., & Simasius, R. (2008). *The development of eServices in an enlarged EU: eLearning in Lithuania*. Luxembourg: Office for Official Publications of the European Communities.
- Guellali, C. (2008). A quality framework for providers of further education in the German context. *International Journal of Educational Management*, 22(2), 129-134.
- Guest, G., Bunce, A., & Johnson, L. (2006). How many interviews are enough? An experiment with data saturation and variability. *Field Methods*, 18(1), 59-82.
- Gülbahar, Y., & Madran, R. O. (2009). Communication and collaboration, satisfaction, equity, and autonomy in blended learning environments: a case from Turkey. *International Review of Research in Open and Distance Learning*, 10(2), 1-22.
- Gunawardena, C. N., & Zittle, R. (1995). An examination of teaching and learning processes in distance education and implications for designing instruction. *ACSDE Research Monograph No. 12, Distance Education Symposium* Retrieved 20 December 2011, from <http://erezdata.une.edu.au/reserve/PD111/GunE.pdf>
- Guri-Rosenblit, S. (2003). Paradoxes and dilemmas in managing e-learning in higher education. *CSHE Research & Occasional Paper Series* Retrieved 20 December, 2008, from <http://escholarship.org/uc/item/8bt8v20x.pdf>
- Guri-Rosenblit, S. (2005). 'Distance education' and 'e-learning': not the same thing. *Higher Education*, 49, 467-493.
- Gurstein, M. (2007). *What is community informatics (and why does it matter?)*. Monza: Polimetrica.
- Gustafson, K. K., & Kors, K. (2004). Strategic implications of an educational technology assessment *Journal*, 27(2). Retrieved from <http://net.educause.edu/ir/library/pdf/EQM04210.pdf>
- Gutierrez, A. (2008). *Filling the critical literacy vessel: constructions of critical literacy in Australia*. Paper presented at the AARE 2008: Changing climates: Education for sustainable futures. Retrieved 20 December 2011, from www.aare.edu.au/08pap/col08177.pdf

- Gutterman, B., Rahman, S., Supelano, J., Thies, L., & Yang, M. (2009). *White paper: information communication & technology (ICT) in education for development*: The New School University.
- Gyambrah, M. K. (2007). *E-Learning technologies and its application in higher education: a descriptive comparison of Germany, United Kingdom and United States*. Unpublished DPhil, Ludwig-Maximilians-Universität, München.
- Hackbarth, G., Grover, V., & Yi, M. Y. (2003). Computer playfulness and anxiety: positive and negative mediators of the system experience effect on perceived ease of use. *Information & Management, 40*, 221–232.
- Haddad, W. D. (2002). Technology and teacher education: making the connection. *Journal, December*, 5-6. Retrieved from http://www.techknowlogia.org/TKL_active_pages2/CurrentArticles/main.asp?IssueNumber=18&FileType=PDF&ArticleID=434
- Hadjithoma-Garstka, C. (2011). The role of the principal's leadership style in the implementation of ICT policy. *British Journal of Educational Technology, 42*(2), 311-326.
- Hall, m., Keppell, M., & Bourne, J. (2011). Learning technology and organizations: transformational impact? *Journal of Asynchronous Learning Networks, 15*(4), 5-8.
- Hall, W. (2011). The ever evolving web: the power of networks. *International Journal of Communication, 5*, 651–664.
- Hamburg, I. (2007). Improving eLearning strategies in SMEs. Retrieved 13 January, 2009, from http://www.elearningeuropa.info/directory/index.php?page=doc&doc_id=10647&doclang=6
- Hamdheidari, S., Agahi, H., & Papzan, A. (2008). Higher education during the Islamic government of Iran (1979-2004). [doi: DOI: 10.1016/j.ijedudev.2006.11.001]. *International Journal of Educational Development, 28*(3), 231-245.
- Hamilton, M. L., & Clandinin, J. (2010). Situating TATE in the global community of research on teaching and teacher education. [doi: DOI: 10.1016/j.tate.2010.08.001]. *Teaching and Teacher Education, In Press, Corrected Proof*.
- Hammond, M. (2005). A review of recent papers on online discussion in teaching and learning in higher education. *Journal of Asynchronous Learning Networks, 9*(3), 1-15.
- Hammond, M., Fragkouli, E., Suandi, I., Crosson, S., Ingram, J., Johnston-Wilder, P., et al. (2009). What happens as student teachers who made very good use of ICT during pre-service training enter their first year of teaching? *Teacher Development, 13*(2), 93-106.
- Hamston, J. (2006). Pathways to multiliteracies: student teachers' critical reflections on a multimodal text. *Australian Journal of Language and Literacy, 29*(1), 38-51.
- Hamuy, E., & Galaz, M. (2010). Information versus communication in course management system participation. *Computers & Education, 54*(1), 169-177.

- Hanafizadeh, P., Hanafizadeh, M. R., & Khodabakhshi, M. (2009). Taxonomy of e-readiness assessment measures. *International Journal of Information Management*, 29(3), 189-195.
- Hannafin, M. J., & Land, S. M. (1997). The foundations and assumptions of technology-enhanced student-centered learning environments. *Instructional Science* 25: , 1997, 25(3), 167–202.
- Hannan, A. (2005). Innovating in higher education: contexts for change in learning technology. [Article]. *British Journal of Educational Technology*, 36(6), 975-985.
- Hantula, D. A., & Spangenberg, G. (2009). Download delay, tolerable wait time, and online learning. In P. Rogers, G. A. Berg, J. V. Boettcher, C. Howard, L. Justice & K. D. Schenk (Eds.), *Encyclopedia of Distance and Online Learning* (2nd ed., pp. 736-740). Hershey, PA: Information Science Publishing.
- Hao, Y. (2010). Does multimedia help students answer test items? [doi: DOI: 10.1016/j.chb.2010.03.021]. *Computers in Human Behavior*, 26(5), 1149-1157.
- Hargreaves, A. (2002). *Teaching in the knowledge society*. Paper presented at the Vision 2020 - Second International Online Conference. Retrieved 4 November 2011, from <http://www.cybertext.net.au/tct2002/keynote/printable/hargreaves%20-%20printable.htm>
- Harkness, W. L., Lane, J. L., & Harwood, J. T. (2003). A cost-effective model for teaching elementary statistics with improved student performance. *Journal of Asynchronous Learning Networks*, 7(2), 8-17.
- Harreveld, R. E. (2010). A capability approach to open and distance learning for in-service teacher education. In P. Danaher & A. Umar (Eds.), *Teacher Education through Open and Distance Learning* (pp. 47-60). Vancouver: Commonwealth of Learning.
- Harris, H., & Park, S. (2008). Educational usages of podcasting. [Article]. *British Journal of Educational Technology*, 39(3), 548-551.
- Harris, M., & Lowendahl, J.-M. (2008). The business impact of social computing on higher education. Retrieved 15 May, 2009, from www.gartnerinfo.com/.../the_business_impact_of_socia_161342.pdf
- Harris, M., Lowendahl, J.-M., & Rust, B. (2009). Predicts 2009: education faces challenges in a difficult economy. Retrieved 9 July, 2009, from http://www.gartner.com/resources/164500/164595/predicts_2009_education_face_164595.pdf
- Harrison, J. M., Blakemore, C. L., & Buck, M. M. (2001). Basic principles of curriculum design. In J. M. Harrison, C. L. Blakemore & M. M. Buck (Eds.), *Instructional strategies for secondary school physical education* (5th ed., pp. 131-148). Boston: McGraw-Hill.
- Harskamp, E., & Suhre, C. (2007). Schoenfeld's problem solving theory in a student controlled learning environment. *Computers & Education*, 49(3), 822-839.
- Hart, B. L., Hart, L. A., & Pinter-Wollman, N. (2008). Large brains and cognition: where do elephants fit in? [doi: DOI: 10.1016/j.neubiorev.2007.05.012]. *Neuroscience & Biobehavioral Reviews*, 32(1), 86-98.

- Hartley, M. S., Treagust, D. F., & Ogunniyi, M. B. (2008). The application of a CAL strategy in science and mathematics for disadvantaged grade 12 learners in South Africa. *International Journal of Educational Development*, 28(5), 596–611.
- Hartnett, M., St George, A., & Dron, J. (2011). Examining motivation in online distance learning environments: complex, multifaceted, and situation-dependent. *The International Review of Research in Open and Distance Learning*, 12(6), 23-38.
- Harvey, B., & Beards, D. (2004). E-learning in Scottish further and higher education. *Education & Training*, 46(6/7), 353–360.
- Haskin, S. (2010). Ten myths about video in e-learning - part 1. *Journal*, May 3, 2010, 1-4. Retrieved from http://www.learningsolutionsmag.com/articles/454/?utm_campaign=ls...
- Hatakka, M. (2009). Build it and they will come? - Inhibiting factors for reuse of open content in developing countries. *Journal*, 37(5), 1-16. Retrieved from <http://www.ejisdc.org/ojs2/index.php/ejisdc/article/viewFile/545/279>
- Hattingh, E. C., & Otieno, F. A. O. (2006). The importance of entry requirements on academic success of first year students in the Engineering Faculty of the Tshwane University of Technology Tshwane University of Technology.
- Haugsbakk, G., & Nordkvelle, Y. (2007). The rhetoric of ICT and the new language of learning: a critical analysis of the use of ICT in the curricular field. *European Educational Research Journal*, 6(1).
- Hauptman, H. (2010). Enhancement of spatial thinking with Virtual Spaces 1.0. *Computers & Education*, 54(1), 123-135.
- Hawker, M. (2009). E-mental health. *Journal*. Retrieved from www.wrhip.org
- Hay, D. B., Kehoe, C., Miquel, M. E., Hatzipanagos, S., Kinchin, I. M., Keevil, S. F., et al. (2008). Measuring the quality of e-learning. *British Journal of Educational Technology*, 36(9), 1037–1056.
- Haydn, T. (2002). Subject discipline dimensions of ICT and learning: history, a case study. *International Journal of Historical Learning, Teaching and Research*, 2(1), 17–36, 2(1), 17-36.
- Haydn, T. A., & Barton, R. (2007). Common needs and different agendas: how trainee teachers make progress in their ability to use ICT in subject teaching. Some lessons from the UK. *Computers & Education*, 49(4), 1018-1036.
- Hayek, F. A. (1945). The use of knowledge in society. *American Economic Review*, 35(4), 519-530.
- Hayman, R. (2007). Are the MDGs enough? Donor perspectives and recipient visions of education and poverty reduction in Rwanda. *International Journal of Educational Development*, 27(4), 371-382.
- Haymes, T. (2008). The three-E strategy for overcoming resistance to technology. *Journal*, 31(4), 67-69. Retrieved from <http://net.educause.edu/ir/library/pdf/EQM08411.pdf>

- Haythornthwaite, C., & Wellman, B. (1998). Work, friendship and media use for information exchange in a networked organization. *Journal of the American Society for Information Science*, 49(2), 1101-1114.
- Haywood, D., & Hardy, J. (2008). The Google generation in higher education: entrant students and learning technologies. Retrieved 1 January, 2009, from http://www.elearningeuropa.info/directory/index.php?page=doc&doc_id..
- Heckman, J. J., Stixrud, J., & Urzua, S. (2006). The Effects of Cognitive and Noncognitive Abilities on Labor Market Outcomes and Social Behavior. [Article]. *Journal of Labor Economics*, 24(3), 411-482.
- Heeks, R. (1998). *Information systems for public sector management: information age reform of the public sector: the potential and problems of IT for India* (No. 6): University of Manchester.
- Heeks, R. (2002). e-Government in Africa: promise and practice. *Information Polity*, 7, 97-114.
- Heeks, R. (2003). *iGovernment: most eGovernment-for-development projects fail: how can risks be reduced?* (No. 14): University of Manchester.
- Heeks, R. (2006). Health information systems: failure, success and improvisation. *International Journal of Medical Informatics*, 75(2), 125-137.
- Heeks, R. (2008). ICT4D 2.0: the next phase of applying ICT for international development. *Computer*, 41(6), 26-33.
- Heeks, R., & Bailur, S. (2007). Analyzing e-government research: perspectives, philosophies, theories, methods, and practice. *Government Information Quarterly*, 24, 243-265.
- Heeks, R., & Duncombe, R. (2001). *Ethical trade, information and communication technologies (ICTs) and self-regulation* (No. 8): University of Manchester.
- Heilesen, S. B., & Josephsen, J. (2008). E-learning: between augmentation and disruption. [doi: DOI: 10.1016/j.compedu.2007.09.006]. *Computers & Education*, 50(2), 525-534.
- Heinze, A., & Heinze, B. (2009). Blended e-learning skeleton of conversation: improving formative assessment in undergraduate dissertation supervision. [Article]. *British Journal of Educational Technology*, 40(2), 294-305.
- Helios. (1996). *Helios II: social integration and independent living: the elimination of socio-psychological barriers: assistance in daily living* (No. 5).
- Helios. (2005). *Is e-learning improving access to learning opportunities?* (No. 1).
- Helios. (s.a.). *Is e-learning contributing to innovation of learning systems?* : Helios.
- Henning, E. (2003). 'I click, therefore I am (not)': is cognition 'distributed' or is it 'contained' in borderless e-learning programmes? *International Journal of Training & Development*, 7(4), 303-317.
- Henry, P. (2001). E-learning technology, content and services. *Education & Training*, 43(4), 249-255.

- Henson-Boyers, D. L. (2002). *Effect of a directed online preinstruction supplemental module on teacher preparedness for face-to-face instruction* University of Tennessee, Knoxville.
- Herdero, C. D. (2009). *The evaluation of e-learning practices in the university education system*. Nr Reading: Academic Conferences Ltd.
- Herman, T., & Banister, S. (2007). Face-to-face versus online coursework: a comparison of costs and learning outcomes. *Journal*, 7(4), 318-326. Retrieved from <http://www.citejournal.org/articles/v7i4currentpractice1.pdf>
- Hermosa, N. N., & Anday, A. G. (2008). Distance learning and digital libraries: the UP Open University experience. *Journal of Philippine Librarianship*, 28(1), 90-105.
- Hernacki, B. (2006). Improving bluetooth security: what IT managers and mobile device users can do. *Information Systems Security*, 15(4), 39-42.
- Hernández-Leo, D., Villasclaras-Fernández, E. D., Asensio-Pérez, J. I., Dimitriadis, Y., Jorrín-Abellán, I. M., Ruiz-Requies, I., et al. (2006). COLLAGE: a collaborative learning design editor based on patterns. *Educational Technology & Society*, 9(1), 58-71.
- Herring, M. C. (2004). Development of constructivist-based distance learning environments: a knowledge base for K-12 teachers. *Quarterly Review of Distance Education*, 5(4), 231-242.
- Herrington, J., McKenney, S., Reeves, T., & Oliver, R. (2007). *Design-based research and doctoral students: Guidelines for preparing a dissertation proposal*. Paper presented at the World Conference on Educational Multimedia, Hypermedia and Telecommunications 2007
- Hertz-Lazarowitz, R., & Bar-Natan, I. (2002). Writing development of Arab and Jewish students using cooperative learning (CL) and computer-mediated communication (CMC). *Computers & Education*, 39(1), 19-36.
- Heylighen, F. (2002). Complexity and information overload in society: why increasing efficiency leads to decreasing control. Retrieved 31 December, 2011, from <http://pespmc1.vub.ac.be//Papers/Info-Overload.pdf>
- Heyward, M. (2002). From international to intercultural: redefining the international school for a globalized world. *Journal of Research in International Education*, 1(1), 9-32.
- Hezel Associates. (2005). *Benchmarking for quality in distance learning: research Study #1: the status of benchmarking at higher education institutions* (No. Research Study #1). New York.
- Higgins, E. T. (2006). Value from hedonic experience and engagement. *Psychological Review*, 113(3), 439-460.
- Higher Education Academy. (2008). *An end of programme review by the Higher Education Academy, Evaluation and Dissemination Support Team*: Higher Education Academy; JISC.
- Higher Education Funding Council for England. (2005). *HEFCE strategy for e-learning*.

- Higher Education Funding Council for England. (2009). *Enhancing learning and teaching through the use of technology: a revised approach to HEFCE's strategy for e-learning*: HEFCE.
- Hikmet, N., Taylor, E. Z., & Davis, C. J. (2008). The Student Productivity Paradox: Technology Mediated Learning in Schools. *Communications of the ACM | september 2008 | vol. 51 | no. 9, 51(1)*, 128-131.
- Hillis, P., & Calderhead, D. (2009). Helping to keep history relevant: multimedia and authentic learning. *Journal*, (2). Retrieved from <http://jime.open.ac.uk/2009/02>
- Hills, H. (2008). Achieving maturity in e-learning. *Training Journal, January 2008*, 37-41.
- Hills, J. (2007). Searching for universal access: the public interest, the FCC and the regulation of international telecommunications. *info*, 9(2/3), 83-96.
- Hilton, J., Graham, C., Rich, P., & Wiley, D. (2010). Using online technologies to extend a classroom to learners at a distance. *Distance Education*, 31(1), 77- 92.
- Hinostroza, E. J., Labbé, C., Brun, M., & Matamala, C. (2011). Teaching and learning activities in Chilean classrooms: is ICT making a difference? *Computers & Education*, 57(1), 1358-1367.
- Hinostroza, J. E., Labbé, C., López, L., & Iost, H. (2008). Traditional and Emerging IT Applications for Learning. In J. Voogt & G. Knezek (Eds.), *International Handbook of Information Technology in Primary and Secondary Education* (Vol. 1, pp. 81-93). New York: Springer.
- Hinson, R. (2006). The internet for academics: towards a holistic adoption model. *Online Information Review*, 30 (5), 542-554.
- Hirschman, E. C., & Holbrook, M. B. (1982). Hedonic consumption: emerging concepts, methods and propositions. *Journal of Marketing*, 46(3), 92-101.
- Hislop, G., & Atwood, M. (2000). ALN teaching as routine faculty workload. *Journal of Asynchronous Learning Networks*, 4(3), 216-230.
- Ho, C.-L., & Dzeng, R.-J. (2010). Construction safety training via e-Learning: learning effectiveness and user satisfaction. [doi: DOI: 10.1016/j.compedu.2010.03.017]. *Computers & Education*, 55(2), 858-867.
- Hoepfl, M. C. (1997). Choosing qualitative research: a primer for technology education researchers. *Journal*, 9(1). Retrieved from <http://scholar.lib.vt.edu/ejournals/JTE/v9n1/hoepfl.html>
- Höffler, T. N., & Leutner, D. (2007). Instructional animation versus static pictures: a meta-analysis. [doi: DOI: 10.1016/j.learninstruc.2007.09.013]. *Learning and Instruction*, 17(6), 722-738.
- Hogan, M. (2006). Technophobia amongst older adults in Ireland. *Irish Journal of Management*, 27(1), 57-77.
- Hoic-Bozic, N., Mornar, V., & Boticki, I. (2009). A blended learning approach to course design and implementation. *IEEE Transactions on Education*, 52(1), 19-30.

- Holth, L., & Mellström, U. (2011). Revisiting engineering, masculinity and technology studies: old structures with new openings. *Journal*, 3(2). Retrieved from <http://genderandset.open.ac.uk/index.php/genderandset/article/view/134/328>
- Holzinger, A., Nischelwitzer, A., & Meisenberger, M. (2005). Lifelong-learning support by m-learning: example scenarios. *Journal*, 11. Retrieved from <http://www.elearnmag.org/subpage.cfm?section=research&article=6-1>
- Hommel, B., Müsseler, J., Aschersleben, G., & Prinz, W. (2001). The Theory of Event Coding (TEC): a framework for perception and action planning. *Behavioral and Brain Sciences*, 24(5), 849-878.
- Hong, J.-C., Horng, J.-S., Lin, C.-L., & ChanLin, L.-J. (2008). Competency disparity between pre-service teacher education and in-service teaching requirements in Taiwan. *International Journal of Educational Development*, 28(1), 4-20.
- Hooker, K. M. (2006). *A study of instructional technology resource teachers in Virginia's public school divisions: who are they and what do they do?*. East Tennessee State University.
- Hope, A. (2005). Factors for success in dual mode institutions.
- Horn, M. B., & Mackey, K. (2011). Transforming American education. *E-Learning and Digital Media*, 8(2), 133-144.
- Horrigan, J. B. (2007). *A typology of information and communication technology users: Pew Internet & American Life Project*.
- Hoter, E., Shonfeld, M., & Ganayim, A. (2009). Information and communication technology (ICT) in the service of multiculturalism. *International Review of Research in Open and Distance Learning*, 10(2), 1-15.
- Howard, R. (2009). Education reform, indigenous politics, and decolonisation in the Bolivia of Evo Morales. *International Journal of Educational Development*, 29(6), 583-593.
- Howell, S. L., Saba, F., Lindsay, N. K., & Williams, P. B. (2004). Seven strategies for enabling faculty success in distance education. *The Internet and Higher Education*, 7(1), 33-49.
- Howell, S. L., Williams, P. B., & Lindsay, N. K. (2003). Thirty-two trends affecting distance education: an informed foundation for strategic planning. *Journal*, 6(3). Retrieved from <http://www.westga.edu/~distance/ojdla/fall63/howell63.html>
- Hramiak, A. (2006, 5-7 July). *A pedagogical framework for the use of information and communications technology in initial teacher training*. Paper presented at the Sixth International Conference on Advanced Learning Technologies (ICALT'06), Kerkrade.
- Hrastinski, S. (2008). What is online learner participation? A literature review. *Computers & Education*, 51(4), 1755-1765.
- Hrastinski, S. (2009). A theory of online learning as online participation. *Computers & Education*, 52(1), 78-82.

- Hrastinski, S., Keller, C., & Carlsson, S. A. (2010). Design exemplars for synchronous e-learning: a design theory approach. [doi: DOI: 10.1016/j.compedu.2010.02.025]. *Computers & Education*, 55(2), 652-662.
- Hsu, P.-S., & Sharma, P. (2006). A systemic plan of technology integration. *Educational Technology & Society*, 9(4), 173-184.
- Hu, Z., & McGrath, I. (2011). Innovation in higher education in China: are teachers ready to integrate ICT in English language teaching? *Technology, Pedagogy and Education*, 20(1), 41-59.
- Huang, J. H., Huang, W. W., Zhao, C. J., & Huang, H. (2004). An e-readiness assessment framework and two field studies *Communications of AIS*, 2004(14), 364-386.
- Huang, M.-H. (2003). Designing website attributes to induce experiential encounters. *Computers in Human Behavior*, 19(4), 425-442.
- Huang, Y.-M., Lin, Y.-T., & Cheng, S.-C. (2010). Effectiveness of a mobile plant learning system in a science curriculum in Taiwanese elementary education. *Computers & Education*, 54(1), 47-58.
- Hughes, H. (2006). Responses and influences: a model of online information use for learning. *Journal*, 12(1). Retrieved from <http://informationr.net/ir/12-1/paper279.html>
- Hughes, J. (2005). The role of teacher knowledge and learning experiences in forming technology-integrated pedagogy. *Journal of Technology and Teacher Education*, 13(2), 277.
- Hung, M.-C., Chang, I. C., & Hwang, H.-G. (2011). Exploring academic teachers' continuance toward the web-based learning system: the role of causal attributions. *Computers & Education*, 57(2), 1530-1543.
- Hung, M.-L., Chou, C., Chen, C.-H., & Own, Z.-Y. (2010). Learner readiness for online learning: scale development and student perceptions. *Computers & Education*, 55(3), 1080-1090.
- Hungi, N., & Thuku, F. W. (2010). Differences in pupil achievement in Kenya: implications for policy and practice. *International Journal of Educational Development*, 30(1), 33-43.
- Hussain, I., & Adeeb, M. A. (2009). Role of mobile technology in promoting campus-wide learning environment. *The Turkish Online Journal of Educational Technology*, 8(3), 48-57.
- Hustad, E., & Bechina, A. A. (2010). *From classroom learning to e-learning: an actor-network perspective*. Paper presented at the The 7th International Conference on eLearning for Knowledge-Based Society. Retrieved 12 March 2011, from http://www.elearningap.com/eLAP2010/Online_Draft/34_Full_Eli%20Hustad_From%20Classroom%20Learning%20to%20E-learning.doc
- Huys, R., De Rick, K., & Vandenbrande, T. (2005). *Enhancing learning opportunities at work*. Leuven: Katholieke Universiteit.
- Huysman, M., & Wulf, V. (2005). IT to support knowledge sharing in communities, towards a social capital analysis. *Journal of Information Technology*, 0, 1-12.

- Hwang, G.-J., Shi, Y.-R., & Chu, H.-C. (2010). A concept map approach to developing collaborative mindtools for context-aware ubiquitous learning. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123581633/PDFSTART>. doi:10.1111/j.1467-8535.2010.01102.x
- Hwang, G.-J., & Tsai, C.-C. (2011). Research trends in mobile and ubiquitous learning: a review of publications in selected journals from 2001 to 2010. [Article]. *British Journal of Educational Technology*, 42(4), E65-E70.
- Hwang, W.-Y., Su, J.-H., Hsu, J.-L., & Huang, H.-J. (2010). A study on ubiquitous computer supported collaborative learning with hybrid mobile discussion forum. *International Journal of Mobile Learning and Organisation*, 4(1), 98-112.
- Hwang, W.-Y., Wang, C.-Y., & Sharples, M. (2007). A study of multimedia annotation of Web-based materials. [doi: DOI: 10.1016/j.compedu.2005.04.020]. *Computers & Education*, 48(4), 680-699.
- Hwang, Y., & Kim, D. J. (2007). Customer self-service systems: the effects of perceived Web quality with service contents on enjoyment, anxiety, and e-trust. *Decision Support Systems*, 43(3), 746-760.
- Hyder, K., Kwinn, A., Miazga, R., & Murray, M. (2007). Synchronous elearning: how to design, produce, lead, and promote successful learning events, live and online In B. Brandon (Eds.), Available from <http://www.elearningguild.com/content.cfm?selection=doc.542>
- Hyönä, J. (2010). The use of eye movements in the study of multimedia learning. *Learning and Instruction*, 20(2), 172-176.
- ICT Cluster. (2010). *Key Lessons learned by the ICT cluster*.
- I-Curriculum Partnership. (2005). *I Curriculum: the knowledge and information skills needed for living in the digital age* Socrates Programme: MINERVA Action.
- Idowu, O. O. (2010). Factors influencing the use of instructional materials by agriculture teachers among public and private secondary schools in Botswana. *NACTA Journal*, June, 37-41.
- Ifinedo, P. (2005). Measuring Africa's e-readiness in the global networked economy: a nine country data analysis. *International Journal of Education and Development using Information and Communication Technology*, 1(1), 53-71.
- Ifinedo, P. (2006). Acceptance and continuance intention of web-based learning technologies (WLT) use among university students in a Baltic country. *The Electronic Journal on Information Systems in Developing Countries*, 23(6), 1-20.
- Igbaria, M., & Iivari, J. (1995). The effects of self-efficacy on computer usage. *Omega*, 23(6), 587-605.
- IICD. (2009). *Annual report 2008*. The Hague: International Institute for Communication and Development (IICD).
- IICD. (s.a.). Using ICT in the education sector. Retrieved 24 September, 2008, from www.iicd.org

- Illeris, K. (2008). *Learning, work and competence development*. Paper presented at the Fourth annual NQF Colloquium Retrieved 30 November 2008, from <http://www.saqqa.org.za/>
- Imran, A. S. (2009). *Interactive media learning object in distance and blended education*. Paper presented at the Seventeenth ACM International Conference on Multimedia Beijing, China.
- Inácio, M. J., & Salema, M. H. (2011). The competence of learning to learn in vocational training: Promoting reflective thinking of the trainer of trainers, mediated by reflexive portfolio. *Procedia - Social and Behavioral Sciences*, 29(0), 611-619.
- Inan, F. A., Lowther, D. L., Ross, S. M., & Strahl, D. (2010). Pattern of classroom activities during students' use of computers: relations between instructional strategies and computer applications. *Teaching and Teacher Education*, 26(3), 540-546.
- infoDev. (s.a.). *Framework for the assessment of ICT pilot projects: beyond monitoring and evaluation to applied research*. Washington: Information and Development Program (infoDev).
- Ingleton, C. (1999, 12-15 July). *Emotion in learning: a neglected dynamic*. Paper presented at the HERDSA Annual International Conference, Melbourne.
- Inglis, A. (2005). Quality improvement, quality assurance, and benchmarking: comparing two frameworks for managing quality processes in open and distance learning. *International Review of Research in Open and Distance Learning*, 6(1), 1-13.
- Ingubu, M. S. (2010). ICT, gender and the socio-economic dynamics of ODL: a critical perspective. *African Higher Education Review*, 3, 28-40.
- International Telecommunication Union. (2003). *Operational plan of the ITU development sector*. International Telecommunication Union.
- Isah, E. A. (2010). Global digital revolution and Africa: transforming Nigerian universities to world class institutions. *African Higher Education Review*, 3, 41-58.
- Islam, T., & Selim, A. S. (2006). Information and communication technologies for the promotion of open and distance learning in Bangladesh. *Journal of Agriculture & Rural Development*, 4(1&2).
- Israel, M., & Hay, I. (2006). *Research ethics for social scientists*. London: Sage.
- Issroff, K., & Scanlon, E. (2002). Educational technology: the influence of theory. *Journal*, (6). Retrieved from <http://www.jime.open.ac.uk/2002/6>
- Issroff, K., & Scanlon, E. (2002). Using technology in higher education: an Activity Theory perspective. *Journal of Computer Assisted Learning*, 18(1), 77-83.
- ITHEA. (2007, 1-5 July). *Modern e-learning*. Paper presented at the Second International Conference: Modern (e-) Learning, Varna.
- Iyer, R. (2007). Pedagogies of design and multiliterate learner identities. *The International Journal of Learning*, 13(11), 25-34.

- Jackson, L. A., Zhao, Y., Qiu, W., Kolenic Iii, A., Fitzgerald, H. E., Harold, R., et al. (2008). Culture, gender and information technology use: a comparison of Chinese and US children. *Computers in Human Behavior*, 24(6), 2817-2829.
- Jacobsen, U., & Brath, P. (2007). *Managers learning at work - focus on action learning: The Learning Alliance for Higher Education*.
- Jacobsson, S., & Johnson, A. (2000). The diffusion of renewable energy technology: an analytical framework and key issues for research. *Energy Policy*, 28(9), 625-640.
- Jadric, M. (2009, 22-25 June). *Profile of students accessing online courses*. Paper presented at the Information Technology Interfaces, 2009. ITI '09. Proceedings of the ITI 2009 31st International Conference on.
- Jafari, A., McGee, P., & Carmean, C. (2006). Managing courses, defining learning: what faculty, students, and administrators want. *EDUCAUSE Review*, 41(4), 50–71.
- Jahng, N. (2004). *Meta-analysis of the effectiveness of online distance education compared to face-to-face education*. University of British Columbia, Vancouver.
- Jain, P. (2006). Empowering Africa's development using ICT in a knowledge management approach. [DOI: 10.1108/02640470610649245]. *Electronic Library, The*, 24(1), 51-67.
- Jakobi, Á. (2005, 23-27 August). *Revaluating regional influences of ICT factors in Hungary*. Paper presented at the 45th European Congress of the Regional Science Association, Amsterdam.
- James, M., & McCormick, R. (2009). Teachers learning how to learn. *Teaching and Teacher Education*, 25(7), 973–982.
- Jamet, E., & Le Bohec, O. (2007). The effect of redundant text in multimedia instruction. [doi: DOI: 10.1016/j.cedpsych.2006.07.001]. *Contemporary Educational Psychology*, 32(4), 588-598.
- Jamieson-Proctor, R., Finger, G., & Albion, P. (2010, 6-9 April). *Auditing the TPACK capabilities of final year teacher education students: are they ready for the 21st century?* . Paper presented at the Australian Computers in Education Conference 2010 (ACEC'10): Digital Diversity, Melbourne.
- Jang, S.-J. (2010). Integrating the interactive whiteboard and peer coaching to develop the TPACK of secondary science teachers. *Computers & Education*, 55(4), 1744-1751.
- Jansen, J. (2003). The state of higher education in South Africa: from massification to mergers. In J. Daniel, A. Habib & R. Southall (Eds.), *State of the nation: South Africa, 2003-2004* (pp. 290-311). Pretoria: HSRC Press.
- Jara, C., Candelas, F., Torres, F., Dormido, S., Esquembre, F., & Reinoso, O. (2009). Real-time collaboration of virtual laboratories through the Internet. *Computers & Education*, 52(1), 126–140.
- Jarmon, L., Traphagan, T., Mayrath, M., & Trivedi, A. (2009). Virtual world teaching, experiential learning, and assessment: an interdisciplinary communication course in Second Life. *Computers & Education*, 53(1), 169-182.

- Jarvenoja, H. (2010). *Socially shared regulation of motivation and emotions in collaborative learning*. University of Oulu.
- Jefferson, W., & Spiegel, D. (2009). Implementation of a university standard for personal response systems. *Journal*, 17(1), 1-9. Retrieved from <http://www.editlib.org/f/26196>
- Jegede, P. O. (2009). Age and ICT-related behaviours of higher education teachers in Nigeria. *Issues in Informing Science and Information Technology*, 6, 771-777.
- Jennings, A. (2005). *Implementing an integrated web-based synchronous elearning collaboration platform at tertiary level for part-time mature evening students*. University of Dublin, Trinity College, Dublin.
- Jetté, S., Tribble, D. S.-C., Gagnon, J., & Mathieu, L. (2010). Nursing students' perceptions of their resources toward the development of competencies in nursing informatics. [doi: DOI: 10.1016/j.nedt.2010.01.016]. *Nurse Education Today*, In Press, Corrected Proof.
- Jimoyiannis, A. (2010). Designing and implementing an integrated technological pedagogical science knowledge framework for science teachers professional development. *Computers & Education*, 55(3), 1259-1269.
- JISC (2008). E-learning benchmarking + pathfinder programme 2005–08 /// an overview, pp. 42). Available from http://www.heacademy.ac.uk/assets/York/documents/Benchmarking/Benchmarking_FINAL.pdf
- JISC CETIS. (2007). *The personal learning environment: a report on the JISC CETIS PLE project*: Center for Educational Technology & Interoperability Standards.
- Johannes, H. (2007). *In search of the latent structure of an e-learning practitioner construct*. University of Pretoria, Pretoria.
- Johansen, J., & Wiley, D. (2011). A sustainable model for OpenCourseWare development. [Article]. *Educational Technology Research & Development*, 59(3), 369-382.
- Johnson, B., & Turner, L. A. (2003). Data collection strategies in mixed methods research. In A. Tashakkori & C. Teddlie (Eds.), *Handbook of Mixed Methods in Social and Behavioral Research* (pp. 297-320). London: Sage.
- Johnson, J., & Tang, M. (2005). Integration of e-management, e-development and e-learning technologies for blended course delivery. *Journal*, 13(2), 185-199. Retrieved from http://www.editlib.org/d/5750/article_5750.pdf
- Johnson, L., Adams, S., & Haywood, K. (2011). *The NMC Horizon report: 2011 K-12 edition*. Austin, Texas: The New Media Consortium.
- Johnson, L., Levine, A., & Smith, R. (2007). *2007 Horizon report*. Austin, Texas: The New Media Consortium.
- Johnson, L., Levine, A., & Smith, R. (2009). *2009 Horizon report*. Austin, Texas: The New Media Consortium.
- Johnson, L., Levine, A., Smith, R., & Stone, S. (2010). *The 2010 Horizon report*. Austin, Texas: The New Media Consortium.

- Johnson, L., Smith, R., Willis, H., Levine, A., & Haywood, K. (2011). *The 2011 Horizon report*. Austin, Texas: The New Media Consortium.
- Johnson, L. F., Levine, A., & Smith, R. S. (2008). *2008 Horizon Report: Australia–New Zealand Edition*. Austin, TX.
- Johnson, R. B. (2009). Comments on Howe: toward a more inclusive “Scientific Research in Education”. *Educational Researcher*, 38(6), 449-457.
- Johnson, R. D., Hornik, S., & Salas, E. (2008). An empirical examination of factors contributing to the creation of successful e-learning environments. *International Journal of Human-Computer Studies*, 66(5), 356-369.
- Johnstone, D. B., Arora, A., & Experton, W. (1998, 5-9 October). *The financing and management of higher education: a status report on worldwide reforms*. Paper presented at the UNESCO World Conference on Higher Education, Paris.
- Joiner, R., Brosnan, M., Duffield, J., Gavin, J., & Maras, P. (2007). The relationship between Internet identification, Internet anxiety and Internet use. *Computers in Human Behavior*, 23(3), 1408-1420.
- Jonassen, D., Davidson, M., Collins, M., Campbell, J., & Haag, B. B. (1995). Constructivism and computer-mediated communication in distance education. *American Journal of Distance Education*, 9(2), 7-26.
- Jonassen, D. H. J., & Rohrer-Murphy, L. (1999). Activity theory as a framework for designing constructivist learning environment. *Educational Technology, Research and Development*, 47(1), 61-79.
- Jones, A. (2008). Personal communication. In G. G. Smith (Ed.). Pretoria: TUT.
- Jones, A. (2010). Affective issues in learning technologies: emotional responses to technology and technology’s role in supporting socio-emotional skills. *Journal*, 9(9). Retrieved from <http://jime.open.ac.uk/article/2010-9>
- Jones, A., & Issroff, K. (2005). Learning technologies: affective and social issues in computer-supported collaborative learning. *Computers & Education*, 44(4), 395–408.
- Jones, N. (2010). Ten mobile technologies to watch in 2010 and 2011. Retrieved 18 July, 2010, from <http://my.gartner.com/portal/server.pt?open=512&objID=260&mode=2&PageID=3460702&resId=1311324&ref=QuickSearch&stkw=%22ten+mobile+technologies%22>
- Jones, N., & O’Shea, J. (2004). Challenging hierarchies: the impact of e-learning. *Higher Education*, 48(3), 379-395.
- Jones, S., & Madden, M. (2002). *The Internet goes to college: how students are living in the future with today’s technology*: Pew Internet & American Life Project.
- Jönsson, B.-A. (2005). A case study of successful e-learning: a web-based distance course in medical physics held for school teachers of the upper secondary level. *Medical Engineering & Physics*, 27(7), 571-581.

- Joyes, G. (2000). An evaluation model for supporting higher education lecturers in the integration of new learning technologies. *Educational Technology & Society*, 3(4), 56-65.
- Junco, R., & Cotten, S. R. (2011). Perceived academic effects of instant messaging use. *Computers & Education*, 56(2), 370-378.
- Jung, C. G. (1990). *The archetypes and the collective unconscious* (Vol. 10th, Part I, Bollingen Series XX). New York: Princeton University Press.
- Jung, I. (2005). ICT-pedagogy integration in teacher training: application cases worldwide. *Educational Technology & Society*, 8(2), 94-101.
- Jung, I., & Latchem, C. (2009). A model for e-education: extended teaching spaces and extended learning spaces. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/122574007/PDFSTART>. doi:10.1111/j.1467-8535.2009.00987.x
- Junge, K., & Hadjivassiliou, K. (2007). What are the EU and member states doing to address digital literacy? *Journal*, 6. Retrieved from <http://www.elearningeuropa.info/files/media/media14196.pdf>
- Kaburlasos, V. G., Marinagi, C. C., & Tsoukalas, V. T. (2008). Personalized multi-student improvement based on Bayesian cybernetics. *Computers & Education*, 51(4), 1430-1449.
- Kaiser, F. G., Oerke, B., & Bogner, F. X. (2007). Behavior-based environmental attitude: development of an instrument for adolescents. *Journal of Environmental Psychology*, 27(3), 242-251.
- Kalu, I., & Ekwueme, C. O. (2004). Assessment of teachers' level of literacy and attitude towards information and communication technology application in science, technology and mathematics. *Journal*, 7(1). Retrieved from http://www.usq.edu.au/electpub/e-jist/docs/Vol7_No1/MeltingPot/teach_lev_lit.htm
- Kalz, M. (2005). *Building eclectic personal learning landscapes with open source tools*. Paper presented at the Conference proceedings for the Open Source for Education in Europe, Research & Practise conference, Heerlen.
- Kaminski, K., Switzer, J., & Gloeckner, G. (2009). Workforce readiness: a study of university students' fluency with information technology. *Computers & Education*, 53(2), 228-233.
- Kang, M., Lim, D. H., & Kim, M. (2004). Learning Designer(TM): a theory-based SCORM-compliant content development tool. *Journal of Educational Multimedia and Hypermedia*, 13(4), 427.
- Kanwar, A., Kodhandaraman, B., & Umar, A. (2010). Toward sustainable open education resources: a perspective from the global South *American Journal of Distance Education*, 24(2), 65-80.
- Karadeniz, S. (2009). Flexible design for the future of distance learning. *Procedia - Social and Behavioral Sciences*, 1(1), 358-363.

- Karasavvidis, I. (2009). Activity Theory as a conceptual framework for understanding teacher approaches to information and communication technologies. *Computers & Education, 53*(2), 436-444.
- Karim, N. S. A., Zamzuri, N. H. A., & Nor, Y. M. (2009). Exploring the relationship between Internet ethics in university students and the big five model of personality. *Computers & Education, 53*(1), 86-93.
- Karmakar, C. K., & Wahid, C. M. M. (2006). *Recommendations for Bangladesh towards e-learning readiness*. Paper presented at the Conference on Methods, Materials and Tools for programming Education. Retrieved 5 February 2009, from http://www.codewitz.net/papers/MMT_97-102_Karmakar_Wahid%20.pdf
- Kashorda, M., Waema, T., Omosa, M., & Kyalo, V. (2007). *E-readiness survey of higher institutions in Kenya* Nairobi.
- Kauffman, R. J., & Kumar, A. (2008). Impact of information and communication technologies on country development: accounting for area interrelationships. *International Journal of Electronic Commerce, 13*(1), 11-58.
- Kayler, M. A. (2009). Teacher development and learner-centered theory. *Teacher Development, 13*(1), 57-69.
- Ke, F. (2010). Examining online teaching, cognitive, and social presence for adult students. [doi: DOI: 10.1016/j.compedu.2010.03.013]. *Computers & Education, 55*(2), 808-820.
- Ke, F., & Xie, K. (2009). Toward deep learning for adult students in online courses. *The Internet and Higher Education, 12*(3-4), 136-145.
- Kear, K., Chetwynd, F., Williams, J., & Donelan, H. (2012). Web conferencing for synchronous online tutorials: perspectives of tutors using a new medium. *Computers & Education, 58*(3), 953-963.
- Keegan, D. (2002). The future of learning: from eLearning to mLearning, Ziff Papiere (Vol. 119, pp. 173). Available from <http://learning.ericsson.net/leonardo/book.html>
- Keegan, D. (2005). M-learning. How far has it come? Unpublished PowerPoint Presentation. Ericsson.
- Keengwe, J., Kidd, T., & Kyei-Blankson, L. (2009). Faculty and Technology: Implications for Faculty Training and Technology Leadership. *Journal of Science Education and Technology, 18*(1), 23-28.
- Keengwe, J., Onchwari, G., & Onchwari, J. (2009). Technology and student learning: towards a learner-centered teaching model. *Journal, 17*(1), 11-22. Retrieved from <http://www.editlib.org/f/26258>
- Keengwe, J., Onchwari, G., & Wachira, P. (2008). The use of computer tools to support meaningful learning. *Journal, 16*(1), 77-92. Retrieved from <http://www.editlib.org/p/23647>
- Keengwe, J., Pearson, D., & Smart, K. (2009). Technology integration: mobile devices (iPods), constructivist pedagogy, and student learning. *Journal, 17*(4), 333-346. Retrieved from <http://www.editlib.org/f/29411>

- Keeton, M. T. (2004). Best online instructional practices: report of phase 1 of an ongoing study. *Journal of Asynchronous Learning Networks*, 8(2), 75-100.
- Kefela, G. T. (2010). Knowledge-based economy and society has become a vital commodity to countries. *International NGO Journal*, 5(7), 160-166.
- Kelly, L., & Jones, G. J. F. (2009). *Examining the utility of affective response in search of personal lifelogs*. Paper presented at the 5th Workshop on Emotion in HCI, British HCI Conference, 1 September 2009. Retrieved 8 December 2011, from http://doras.dcu.ie/15914/1/Examining_the_Utility_of_Affective_Response_in_Search_of_Personal_Lifelogs.pdf
- Kelly, T. (2010). *Information and communication technology for education in India and South Asia: volume 1: extended summary*. infoDev/PriceWaterhouseCoopers.
- Kelly, T. (2012). *Information and Communications for Development 2012: Maximizing Mobile* (Report). Washington: Information and Development Program (infoDev).
- Kennedy, A., Christie, D., Fraser, C., Reid, L., McKinney, S., Welsh, M., et al. (2008). Key Informants' Perspectives on teacher learning in Scotland. *British Journal of Educational Studies*, 56(4), 400-419.
- Kenny, J. D. (2005). *Exegesis: strategy and learning: a path to organisational change*. Unpublished PhD, RMIT University, Australasian Digital Theses Program
- Kenny, R. F., Van Neste-Kenny, J. M. C., Park, C. L., Burton, P. A., & Meiers, J. (2009). Mobile learning in nursing practice education: applying Koole's FRAME Model. *Journal of Distance Education*, 23(3), 75-96.
- Kenya. Ministry of Education, S. T. (2005). *ICT in education options paper*. Retrieved 29 November 2011. from http://pdf.usaid.gov/pdf_docs/PNADI898.pdf.
- Keppell, M., Au, E., Ma, A., & Chan, C. (2006). Peer learning and learning-oriented assessment in technology-enhanced environments. *Assessment and Evaluation in Higher Education*, 31(4), 453.
- Kerka, S. (1999). Distance learning, the Internet, and the World Wide Web. *Journal*. Retrieved from <http://www.ericdigests.org/1997-1/distance.html>
- Kerly, A., Ellis, R., & Bull, S. (2008). CALMsystem: a conversational agent for learner modelling. [doi: DOI: 10.1016/j.knosys.2007.11.015]. *Knowledge-Based Systems*, 21(3), 238-246.
- Kerns, L. (2006). Adult graduate students in higher education: refocusing the research agenda. *Adult Learning*, 17(1-4), 40.
- Kerr, S. T. (2005). Why we all want it to work: towards a culturally based model for technology and educational change. [Article]. *British Journal of Educational Technology*, 36(6), 1005-1016.
- Kesim, E., & Agaoglu, E. (2007). A paradigm shift in distance education: web 2.0 and social software. *Journal*, 8(3), 66-75. Retrieved from <http://tojde.anadolu.edu.tr/tojde27/index.htm>

- Khalkhali, A., Moradi, S., & Amuei, F. (2008). Assessment and comparison of ICT literacy between teachers and students in Iran's secondary schools. *World Applied Sciences Journal*, 4(3), 396-405.
- Khan, B. H. (2005). Learning features in an open, flexible, and distributed environment. *Journal*, 13(2), 137-153. Retrieved from <http://www.editlib.org/p/5987>
- Khan, U., Dhar, R., & Wertenbroch, K. (2004). A behavioral decision theoretic perspective on hedonic and utilitarian choice. In S. Ratneshwar & D. G. Mick (Eds.), *Inside consumption: frontiers of research on consumer motives, goals, and desires* (pp. 144-165).
- Kim, C., & Baylor, A. L. (2008). A virtual change agent: motivating pre-service teachers to integrate technology in their future classrooms. *Educational Technology & Society*, 11(2), 309-321.
- Kim, J. (2010). Developing an instrument to measure social presence in distance higher education. *Journal*, 42(5), 763-777. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123581637/PDFSTART>. doi:10.1111/j.1467-8535.2010.01107.x
- Kim, J. H., Jung, S. Y., & Lee, W. G. (2008). Design of contents for ICT literacy in-service training of teachers in Korea. *Computers & Education*, 51(4), 1683-1706.
- Kim, P., Miranda, T., & Olaciregui, C. (2008). Pocket School: exploring mobile technology as a sustainable literacy education option for underserved indigenous children in Latin America. [doi: DOI: 10.1016/j.ijedudev.2007.11.002]. *International Journal of Educational Development*, 28(4), 435-445.
- Kim, P., Ng, C. K., & Lim, G. (2010). When cloud computing meets with SemanticWeb: a new design for e-portfolio systems in the social media era. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123304272/PDFSTART>. doi:10.1111/j.1467-8535.2010.01055.x
- Kim, S. H., Han, S. K., & Kim, H. C. (2009). *How can we teach computational literacy to all levels of students?* Paper presented at the INC, IMS and IDC, 2009. NCM '09. Fifth International Joint Conference. Retrieved 4 September 2011, from <http://ieeexplore.ieee.org.nwulib.nwu.ac.za/stamp/stamp.jsp?tp=&arnumber=5331425>
- Kimber, K., Pillay, H., & Richards, C. (2007). Technoliteracy and learning: an analysis of the quality of knowledge in electronic representations of understanding. *Computers & Education*, 48(1), 59-79.
- Kincaid, T., & Feldner, L. (2002). Leadership for technology integration: the role of principals and mentors. *Educational Technology & Society*, 5(1), 75-80.
- King, B. (2010). Reshaping distance and online education around a national university in regional Australia. *Open Learning: The Journal of Open and Distance Learning*, 25(2), 131-140.
- King, F. B. (2002). A virtual student Not an ordinary Joe. *The Internet and Higher Education*, 5(2), 157-166.

- King, J., Bond, T., & Blandford, S. (2002). An investigation of computer anxiety by gender and grade. *Computers in Human Behavior*, 18(1), 69-84.
- King, K. (2007). Balancing basic and post-basic education in Kenya: national versus international policy agendas. *International Journal of Educational Development*, 27(4), 358-370.
- King, K. (2009). Education, skills, sustainability and growth: complex relations. *International Journal of Educational Development*, 29(2), 175-181.
- King, K., McGrath, S., & Rose, P. (2007). Beyond the basics: educating and training out of poverty. *International Journal of Educational Development*, 27(4), 349-357.
- Kinuthia, W. (2006, 29 October-3 November). *Elearning delivery: exploratory study of ICT in higher education in South Africa*. Paper presented at the 4th Pan Commonwealth Forum on Open Learning.
- Kirkwood, A. (2006). Going outside the box: skills development, cultural change and the use of on-line resources. *Computers & Education*, 47(3), 316-331.
- Kirkwood, A., & Price, L. (2006). Adaptation for a changing environment: developing learning and teaching with information and communication technologies. *International Review of Research in Open and Distance Learning*, 7(2), 1-14.
- Kirschner, P., Wubbels, T., & Brekelmans, M. (2008). Benchmarks for Teacher Education Programs in the Pedagogical Use of ICT. In J. Voogt & D. G. Knezek (Eds.), *International Handbook of Information Technology in Primary and Secondary Education* (Vol. 1, pp. 435-444). New York: Springer.
- Kirui, P. A., & Mutai, S. J. (2010). The effectiveness of web-based learning environment: a case study of public universities in Kenya. *African Higher Education Review*, 3, 74-80.
- Kitaw, Y. (2006). *E-government in @frica: prospects, challenges and practices*. Lausanne: Swiss Federal Institute of Technology.
- Knezek, G., & Christensen, R. (2002). Impact of New Information Technologies on Teachers and Students. *Education and Information Technologies*, 7(4), 369-376.
- Knight, S. L., Pedersen, S., & Peters, W. (2004). Connecting the University with a professional development school: pre-service teachers' attitudes toward the use of compressed video. *Journal of Technology and Teacher Education*, 12(1), 139-154.
- Knipe, S., & Edwards, M. (2009). Teaching teachers to use blended learning. *Journal*. Retrieved from <http://www.elearnmag.org/subpage.cfm?section=articles&article=103-1>
- Koballa, T. (s.a.). Framework for the affective domain in science education. *Student Motivations and Attitudes: The Role of the Affective Domain in Geoscience Learning* Retrieved 13 May, 2011, from <http://serc.carleton.edu/NAGTWorkshops/affective/framework.html>
- Koch, J., Andrew, S., Salamonson, Y., Everett, B., & Davidson, P. M. (2010). Nursing students' perception of a web-based intervention to support learning. [doi: DOI: 10.1016/j.nedt.2009.12.005]. *Nurse Education Today*, 30(6), 584-590.

- Koehler, M., & Mishra, P. (2005). Teachers learning technology by design. *Journal of Computing in Teacher Education*, 21(3), 94-102.
- Koehler, M., & Mishra, P. (2009). What is technological pedagogical content knowledge? . *Journal*, 9(1). Retrieved from <http://www.citejournal.org/vol9/iss1/general/article1.cfm>
- Koen, C., Cele, M., & Libhaber, A. (2006). Student activism and student exclusions in South Africa. *International Journal of Educational Development*, 26(4), 404–414.
- Kok, I., & Blignaut, A. S. (2009, 19-20 January). *Introducing developing teacher-students in a developing context to e-portfolios*. Paper presented at the iLearning Forum, Paris.
- Kok, I., Rabé, A., Swarts, P., & Van der Vyver, C. (2008). Process evaluation: the lecturers' view. School of Continuing Teacher Education.
- Komis, V., Ergazaki, M., & Zogza, V. (2007). Comparing computer-supported dynamic modeling and 'paper & pencil' concept mapping technique in students' collaborative activity. [doi: DOI: 10.1016/j.compedu.2005.12.007]. *Computers & Education*, 49(4), 991-1017.
- Komis, V., & Kikis-Papadakis, K. (1999, 20-24 June). *Exploration of the pupils' representations regarding new technologies*. Paper presented at the The 19th ICDE World Conference on Open Learning and Distance Education: The New Educational Frontier: Teaching and Learning in a Networked World, Vienna, Austria.
- Koohang, A., & Harman, K. (2005). Open Source: a metaphor for e-learning. *Informing Science Journal*, 8, 75-86.
- Koper, R. (2003). Combining re-usable learning resources to pedagogical purposeful units of learning. In A. Littlejohn (Ed.), *Reusing Online Resources: A Sustainable Approach to eLearning*. London: Kogan Page.
- Koper, R. (2004). User of the semantic web to solve some basic problems in education: increase flexible, distribute lifelong learning, decrease teachers' workload. *Journal*, (6). Retrieved from <http://www-jime.open.ac.uk/2004/6>
- Koper, R., Rusman, E., & Sloep, P. (2005). Learning network connecting people, organisations, software agents and learning resources to establish the emergence of effective lifelong learning. *Journal*. Retrieved from http://dspace.ou.nl/bitstream/1820/304/2/versie%20artikel%20LN_%20Lline.pdf
- Koper, R., & Tattersall, C. (2004). New directions for lifelong learning using network technologies. *British Journal of Educational Technology*, 35(6), 689-700.
- Kopyc, S. (2006). Enhancing teaching with technology: are we there yet? *Journal*, 3(2). Retrieved from <http://www.innovateonline.info/index.php?view=article&id=74>
- Kordaki, M. (2010). A drawing and multi-representational computer environment for beginners' learning of programming using C: design and pilot formative evaluation. *Computers & Education*, 54(1), 69-87.
- Korobili, S., Togia, A., & Malliari, A. (2010). Computer anxiety and attitudes among undergraduate students in Greece. *Computers in Human Behavior*, 26(3), 399-405.

- Kort, B., Reilly, R., & Picard, R. (2001, 6-8 August). *Affective model of interplay between emotions and learning: reengineering educational pedagogy--building a Learning Companion*. Paper presented at the Advanced Learning Technologies, 2001, Madison, WI.
- Korte, W. B., & Hüsing, T. (2006). Benchmarking access and use of ICT in European schools 2006: results from head teacher and a classroom teacher surveys in 27 European countries. *Journal*, 2(1). Retrieved from <http://www.elearningeuropa.info/files/media/media11563.pdf>
- Korukonda, A. R. (2005). Personality, individual characteristics, and predisposition to technophobia: some answers, questions, and points to ponder about. *Information Sciences*, 170(2-4), 309-328.
- Koul, B. N., & Kanwar, A. (Eds.). (2006). *Towards a culture of quality*. Vancouver: Commonwealth of Learning.
- Koustourakis, G., Panagiotakopoulos, C., & Vergidis, D. (2008). A contribution to the Hellenic Open University: evaluation of the pedagogical practices and the use of ICT on distance education. *International Review of Research in Open and Distance Learning*, 9(2), 1-18.
- Kowch, E., & Schwier, R. A. (1997). Considerations in the construction of technology - based virtual learning communities. *Canadian Journal of Educational Communication*, 26(1), 1-12.
- Kozma, R., McGhee, R., Quellmalz, E., & Zalles, D. (2004). Closing the digital divide: evaluation of the World Links program. *International Journal of Educational Development*, 24(4), 361-381.
- Kozma, R. B. (Ed.). (2008). *Comparative analysis of policies for ICT in education*. New York: Springer.
- Kozma, R. B. (2011). ICT, education transformation, and economic development: an analysis of the US National Educational Technology Plan. *E-Learning and Digital Media*, 8(2), 106-120.
- Kozma, T., & Polonyi, T. (2004). Understanding education in Europe-East: frames of interpretation and comparison. *International Journal of Educational Development*, 24(5), 467-477.
- Krathwohl, D. R., Bloom, B. S., & Masia, B. B. (1973). *Taxonomy of educational objectives, the classification of educational goals. Handbook II: affective domain*. New York: David McKay Co., Inc.
- Kravčik, M., & Gašević, D. (2007). Leveraging the semantic web for adaptive education. *Journal*, (6). Retrieved from <http://www-jime.open.ac.uk/jime/article/view/2007-6>
- Kremenska, A. (2008). *Investigating student readiness for computer assisted language learning*. Paper presented at the 9th International Conference on Computer Systems and Technologies and Workshop for PhD Students in Computing. Retrieved 25 January 2010, from http://portal.acm.org/ft_gateway.cfm?id=1500947&type=pdf&coll=GUIDE&dl=GUIDE&CFID=97803252&CFTOKEN=92837706

- Kriksciuniene, D., Sarkiunaite, I., & Sakalauskas, V. (2006, 19-21 November). *Evaluating return on computer literacy of the enterprise with ECDL*. Paper presented at the Innovations in Information Technology (IIT) Conference, Dubai.
- Kristiansen, S., & Pratikno. (2006). Decentralising education in Indonesia. *International Journal of Educational Development*, 26(5), 513-531.
- Kruger, J. (2008). *Linkages between emotional intelligence and coping strategies in mastering new educational technologies*. University of Pretoria.
- Kruger, J., & Dunning, D. (1999). Unskilled and unaware of it: how difficulties in recognizing one's own incompetence lead to inflated self-assessments. *Journal of Personality and Social Psychology*, 77(6), 1121-1134.
- Kugemann, W., & Fischer, T. (2005, 19-20 June). *DELOS: presentation of the key project results: integrated short list of indicators*. Paper presented at the 3rd DELOS Seminar, Thessaloniki.
- Kugemann, W., & Fischer, T. (2005, 5 December). *DELOS: how to support policy making on e-Learning by using indicators*. Paper presented at the Online Educa: E-learning policies in practice, Berlin.
- Kühl, T., Scheiter, K., Gerjets, P., & Gemballa, S. (2011). Can differences in learning strategies explain the benefits of learning from static and dynamic visualizations? *Computers & Education*, 56(1), 176-187.
- Kuhlen, R. (2006). Collaborative e-learning - an opportunity to identify and to overcome gender barriers. Retrieved 5 November, 2008, from <http://creativecommons.org/licenses/by-nc-nd/2.0/de/>
- Kuhn, P., & Weinberger, C. (2005). Leadership Skills and Wages. [Article]. *Journal of Labor Economics*, 23(3), 395-436.
- Kuiper, E., Volman, M., & Terwel, J. (2009). Developing Web literacy in collaborative inquiry activities. *Computers & Education*, 52(3), 668-680.
- Kurtz, G., Amichai-Hamburger, Y., & Kantor, J. (2009). Psychosocial well-being of Israeli students and attitudes toward open and distance learning. *Journal*, 10(2). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/593/1229>
- Kuzu, A. (2007). Views of pre-service teachers on blog use for instruction and social interaction. *Journal*, 8(3), 34-51. Retrieved from http://tojde.anadolu.edu.tr/tojde27/pdf/article_2.pdf
- Kvist, A. V., & Gustafsson, J.-E. (2008). The relation between fluid intelligence and the general factor as a function of cultural background: a test of Cattell's Investment theory. [doi: DOI: 10.1016/j.intell.2007.08.004]. *Intelligence*, 36(5), 422-436.
- Kyei-Blankson, L., Keengwe, J., & Blankson, J. (2009). Faculty use and integration of technology in higher education. *Journal*, 17(3), 199-213. Retrieved from <http://www.editlib.org/f/28362>
- Labelle, R. (2005). *ICT policy formulation and e-strategy development: a comprehensive guidebook*. New Delhi: Elsevier.

- Ladd, E. R., & Rumsey, H. A. (2003). The role of industry in forming a distance learning engineering management program. Retrieved 20 November, 2008, from <http://fie.engrng.pitt.edu/fie96/papers/166.pdf>
- Lahaie, U. (2007). Getting faculty onboard. *Journal of Professional Nursing*, 23(6), 335-342.
- Lai, C. H., Yang, J. C., Chen, F. C., Ho, C. W., & Chan, T. W. (2007). Affordances of mobile technologies for experiential learning: the interplay of technology and pedagogical practices. [Article]. *Journal of Computer Assisted Learning*, 23(4), 326-337.
- Lall, S., & Teubal, M. (1998). "Market-stimulating" technology policies in developing countries: a framework with examples from East Asia. *World Development*, 26(8), 1369-1385.
- Lamaadar, A. N. (2007). *Graceful degradation of the information society: a critical examination of ICT4PEACE*. University of Manchester, Manchester.
- Lamb, A., & Johnson, L. (2007). Podcasting in the school library, part 1: integrating podcasts and vodcasts into teaching and learning. *Teacher Librarian*, 34(3), 54-57.
- Lamb, A., & Johnson, L. (2007). Podcasting in the school library, part 2: creating powerful podcasts with your students. *Teacher Librarian*, 34(4), 61-68.
- Lambe, J., & Clarke, L. (2003). Initial teacher education online: factors influencing the nature of interaction in computer conferencing. *European Journal of Teacher Education*, 26(3), 351-363.
- Lan, Y.-F., & Sie, Y.-S. (2010). Using RSS to support mobile learning based on media richness theory. [doi: DOI: 10.1016/j.compedu.2010.03.005]. *Computers & Education*, 55(2), 723-732.
- Lane, A. (2010). Designing for innovation around OER. *Journal*, (2). Retrieved from <http://jime.open.ac.uk/2010/02>
- Lane, A., & McAndrew, P. (2010). Are open educational resources systematic or systemic change agents for teaching practice? *British Journal of Educational Technology*, 41(6), 952-962.
- Lane, C., & Yamashiro, G. (2008). Assessing learning and scholarly technologies: lessons from an institutional survey. *Journal*, 31(3). Retrieved from <http://connect.educause.edu/Library/EDUCAUSE+Quarterly/AssessingLearningandSchol/47085>
- Langmia, K. (2005). The role of ICT in the economic development of Africa: the case of South Africa. *International Journal of Education and Development using Information and Communication Technology*, 2(4), 144-156.
- Lankshear, C. (1999). Literacy studies in education: disciplined developments in a post-disciplinary age. In M. Peters (Ed.), *After the disciplines*. Westport: Greenwood Press.
- Lankshear, C., & Knobel, M. (1998). *Critical literacy and new technologies*. Paper presented at the Annual Meeting of the American Education Research Association. Retrieved 20 December 2011, from <http://www.eric.ed.gov/PDFS/ED444169.pdf>

- Lankshear, C., & Knobel, M. (2006). *Blogging as participation: the active sociality of a New Literacy*. Paper presented at the American Educational Research Association. Retrieved 14 December 2011, from <http://www.everydayliteracies.net/bloggingparticipation.pdf>
- Largo, F. L. (2009). Technology as driving force of the educative innovation: strategy and institutional policy at "Universidad de Alicante". [Article]. *Arbor-Ciencia Pensamiento Y Cultura*, 185, 21-32.
- LaRossa, R. (2005). Grounded theory methods and qualitative family research. *Journal of Marriage and Family*, 67, 837–857.
- Lasagna, M. (2009). *Key issue: increasing teacher retention to facilitate the equitable distribution of effective teachers* (No. S283B050051). Washington DC: National Comprehensive Center for Teacher Quality.
- Latchem, C., Simsek, N., Balta, O. C., Torkul, O., Cedimoglu, I. H., & Altunkopru, A. (2009). Are we there yet? A progress report from three Turkish university pioneers in distance education and e-learning. *International Review of Research in Open and Distance Learning*, 10(2), 1-15.
- Latchem, C., & Walker, D. (Eds.). (2001). *Telecentres: case studies and key issues*. Vancouver: Commonwealth of Learning.
- Latham, L., & Lundy, J. (2007). The four categories of stand-alone e-learning authoring tools. Retrieved 30 October, 2008, from http://www.gartner.com/DisplayDocument?ref=g_search&id=531307&subref=simplesearch
- Latif, L. A., Bahroom, R., & San, N. M. (2009). Skills, usage and perception of ICT and their impact on e-learning in an open and distance learning institution. *ASEAN Journal of Open and Distance Learning*, 1(1), 69-82.
- Latif, L. A., Bahroom, R., San, N. M., Awang, A. I., & Rahman, N. N. N. A. (2008, 27-28 October). *Learners' ability, experience and perception of use of ICT in learning and education: a comparison between Open University Malaysia (OUM) and European universities*. Paper presented at the Agri Media 2008 and ICI-8 Information Technology and Education Technology Conference and Exhibiton, Eszterházy Károly College, Hungary.
- Lau, W. W. F., & Yuen, A. H. K. (2010). Promoting conceptual change of learning sorting algorithm through the diagnosis of mental models: the effects of gender and learning styles. *Computers & Education*, 54(1), 275-288.
- Laurillard, D. (2002). *Rethinking university teaching: a conversational framework for the effective use of learning technologies* (2nd ed.). London: Routledge-Falmer.
- Laurillard, D. (2006). E-learning in higher education. In P. Ashwin (Ed.), *Changing Higher Education: the development of learning and teaching* (pp. 71-84). London: Routledge.
- Laurillard, D., Stratfold, M., Luckin, R., Plowman, L., & Taylor, J. (2000). Affordances for learning in a non-linear narrative medium. *Journal*, (2). Retrieved from <http://www-jime.open.ac.uk/00/2>

- Lavine, H., Thomsen, C. J., Zanna, M. P., & Borgida, E. (1998). On the primacy of affect in the determination of attitudes and behavior: the moderating role of affective-cognitive ambivalence. *Journal of Experimental Social Psychology*, 34(4), 398-421.
- Law, D. (2004). Bridging the digital divide: a review of current progress. *Library Management*, 25(1/2), 17-21.
- Law, N. (2008). Teacher Learning Beyond Knowledge for Pedagogical Innovations with ICT 425. In J. Voogt & G. Knezek (Eds.), *International Handbook of Information Technology in Primary and Secondary Education: Part One* (pp. 425-444). New York: Springer.
- Lawrence, E., Garner, B., & Newton, S. (2006). *A global, collaborative, e-learning ecosystem: an academic/industry partnership in action*. Paper presented at the Fifth IASTED International Conference: Web-based Education. Retrieved 15 August 2010, from <http://dl.acm.org/citation.cfm?id=1166764>
- Lawson, T., & Comber, C. (1999). Superhighways technology: personnel factors leading to successful integration of information and communications technology in schools and colleges. *Journal of Information Technology for Teacher Education*, 8(1), 41-53.
- Lax, L., Singh, A., Tamber, A., & Kim, H. (2009). *Design research outcomes of collaborative knowledge building in a web-based continuing education and professional development program for family physicians*. Paper presented at the Proceedings of the 4th International Conference on E-Learning, Nr Reading.
- Lazarinis, F., Green, S., & Pearson, E. (2010). Creating personalized assessments based on learner knowledge and objectives in a hypermedia Web testing application. *Computers & Education*, 55(4), 1732-1743.
- Lazarinis, F., Green, S., & Pearson, E. (2011). Multi-criteria adaptation in a personalized multimedia testing tool based on semantic technologies. [Article]. *Interactive Learning Environments*, 19(3), 267-283.
- Lazowska, E., Lee, P., Elliott, C., & Smarr, L. (2008). Infrastructure for eScience and eLearning in higher education. Retrieved 12 February, 2009, from <http://www.cra.org/ccc/docs/init/Infrastructure.pdf>
- Learning Technology Dissemination Initiative (1998). Evaluation cookbook. In N. Moge (Eds.), *LTDI Evaluation Studies*. Available from <http://www.icbl.hw.ac.uk/ltidi/ltidi-pub.htm>
- Learnovation Open Forum. (2009). Event report. Retrieved 15 May, 2009
- Lebec, M., & Luft, J. (2007). A mixed methods analysis of learning in online teacher professional development: a case report. *Journal*, 7(1), 554-574. Retrieved from <http://www.citejournal.org/articles/v7i1general1.pdf>
- Lederer, A. L., Maupin, D. J., Sena, M. P., & Zhuang, Y. (2000). The technology acceptance model and the World Wide Web. *Decision Support Systems*, 29(3), 269-282.
- Lee, B.-C., Yoon, J.-O., & Lee, I. (2009). Learners' acceptance of e-learning in South Korea: theories and results. *Computers & Education*, 53(4), 1320-1329.

- Lee, J., & Spire, H. (2009). What students think about technology and academic engagement in school: implications for middle grades teaching and learning. *Journal*, 17(2), 61-81. Retrieved from <http://www.editlib.org/p/27007>
- Lee, M.-C. (2009). Factors influencing the adoption of internet banking: an integration of TAM and TPB with perceived risk and perceived benefit. *Electronic Commerce Research and Applications*, 8(3), 130-141.
- Lee, S. (2004). Designing and developing for the disciplines. *Journal*, (11). Retrieved from <http://www-jime.open.ac.uk/2004/11>
- Leech, N. L., & Onwuegbuzie, A. J. (2009). A typology of mixed methods research designs. *Qual Quant*, 43(2009), 265-275.
- Lehtinen, E. (2003). Computer-supported collaborative learning: an approach to powerful learning environments. In European Association for Research on Learning and Instruction (Ed.), *Powerful learning environments: unravelling basic components and dimensions* (pp. 35-54). Oxford: Elsevier Science Ltd.
- Leiboff, M. D. (2010). 11 Reasons advanced technology classrooms fail. Retrieved 28 April, 2010, from http://campustechnology.com/articles/2010/04/28/11-reasons-advanced-technology-classrooms-fail.aspx?sc_lang=en
- Leibowitz, B., Bozalek, V., Carolissen, R., Nicholls, L., Rohleder, P., & Swartz, L. (2010). Bringing the social into pedagogy: unsafe learning in an uncertain world. *Teaching in Higher Education*, 15(2), 123-133.
- Lekkas, Z., Tsianos, N., Germanakos, P., Mourlas, C., & Samaras, G. (2008, 1-5 July). *Role of emotions in the design of personalized educational systems*. Paper presented at the Eighth IEEE International Conference on Advanced Learning Technologies, Santander, Cantabria
- Leney, T. (2004). *Achieving the Lisbon goal: the contribution of VET*: The Lisbon-to-Copenhagen-to-Maastricht Consortium Partners.
- Leonard, K., Noh, E. K., & Orey, M. (2007). Introduction to emerging perspectives on learning, teaching, and technology. In M. Orey (Ed.), *Emerging perspectives on learning, teaching, and technology*.
- Lesser, E., & Prusak, L. (1999). *White Paper: Communities of practice, social capital and organizational knowledge*: IBM Institute for Knowledge Management.
- Leu, D. J., Kinzer, C. K., Coiro, J. L., & Cammack, D. W. (2004). Toward a theory of new literacies emerging from the internet and other information and communication technologies. Retrieved 20 December, 2011, from <http://www.readingonline.org/newliteracies/leu/>
- Leu, D. J., Zawilinski, L., Castek, J., Banerjee, M., Housand, B. C., Liu, Y., et al. (2007). What is new about the New Literacies of online reading comprehension? In L. S. Rush, A. J. Eakle & A. Berger (Eds.), *Secondary school literacy: what research reveals for classroom* (pp. 37-68). Urbana, Ill.: National Council of Teachers of English.
- Levy, Y. (2007). Comparing dropouts and persistence in e-learning courses. *Computers & Education*, 48(2), 185-204.

- Lewis, T. (2009). Towards reclaiming the high ground in the discourse on vocationalism in developing countries. *International Journal of Educational Development*, 29(6), 558-564.
- Lezin, N. (2007). Theory of Reasoned Action (TRA). *Theories and Approaches*. Retrieved 24 September, 2008, from <http://www.etr.org/recapp/theories/tra/index.htm>
- Li, F., Morgana, W. J., & Ding, X. (2008). The expansion of higher education, employment and over-education in China. *International Journal of Educational Development*, 28(6).
- Li, Q., Clark, B., & Winchester, I. (2010). Instructional design and technology grounded in enactivism: a paradigm shift? [Article]. *British Journal of Educational Technology*, 41(3), 403-419.
- Li, Y., Qi, J., & Shu, H. (2008). Review of relationships among variables in TAM. *Tsinghua Science & Technology*, 13(3), 273-278.
- Li, Y., & Ranieri, M. (2010). Are 'digital natives' really digitally competent?—a study on Chinese teenagers. *British Journal of Educational Technology*, 41(6), 1029–1042.
- Liaw, S.-S. (2008). Investigating students' perceived satisfaction, behavioral intention, and effectiveness of e-learning: a case study of the Blackboard system. *Computers & Education*, 51(2), 864-873.
- Liaw, S.-S., Chen, G.-D., & Huang, H.-M. (2008). Users' attitudes toward Web-based collaborative learning systems for knowledge management. *Computers & Education*, 50(3), 950-961.
- Liaw, S.-S., Huang, H.-M., & Chen, G.-D. (2007). Surveying instructor and learner attitudes toward e-learning. *Computers & Education*, 49(4), 1066-1080.
- Liber, O., Olivier, B., & Britain, S. (2000). The TOOMOL project: supporting a personalised and conversational approach to learning. *Computers & Education*, 34(3-4), 327-333.
- Librero, F., Ramos, A. J., Ranga, A. I., Trinona, J., & Lambert, D. (2007). Uses of the cell phone for education in the Philippines and Mongolia. *Distance Education*, 28(2), 231-244.
- Liem, A. D., Lau, S., & Nie, Y. (2008). The role of self-efficacy, task value, and achievement goals in predicting learning strategies, task disengagement, peer relationship, and achievement outcome. [doi: DOI: 10.1016/j.cedpsych.2007.08.001]. *Contemporary Educational Psychology*, 33(4), 486-512.
- Lilje, O., Krishnan, S. E., & Peat, M. (2007, 4-6 July). *Use and perceptions of a blended learning resource: are student perceptions reflected in their performance?* Paper presented at the 10th Pacific Rim First Year in Higher Education Conference 2007 - Conference Proceedings, Brisbane.
- Lilje, O., & Peat, M. (2007). *Use of traditional and elearning components in a blended learning environment*. Paper presented at the Proceedings of the UniServe Science Teaching and Learning Research, Sydney.
- Limpopo. Department of Education. (2006). *Facilitating outcomes based learning and teaching: a guide for trainers and FET college lecturers*. Retrieved. from.

- Lin, C. Y.-Y., & Edvinsson, L. (2008). National intellectual capital: comparison of the Nordic countries. *Journal of Intellectual Capital*, 9(4), 525-545.
- Lin, K.-M. (2011). e-Learning continuance intention: moderating effects of user e-learning experience. *Computers & Education*, 56(2), 515-526.
- Lin, L. (2008). An online learning model to facilitate learners' rights to education. *Journal of Asynchronous Learning Networks*, 12(1), 127-143.
- Lindh, J., & Holgersson, T. (2007). Does lego training stimulate pupils' ability to solve logical problems? [doi: DOI: 10.1016/j.compedu.2005.12.008]. *Computers & Education*, 49(4), 1097-1111.
- Lindholm, M. (2008). Academic initiatives and eLearning: how companies can improve academic initiatives with the help of eLearning. *Journal*. Retrieved from http://gupea.ub.gu.se/dspace/bitstream/2077/10543/1/gupea_2077_10543_1.pdf
- Linstone, H. A., & Turoff, M. (Eds.). (2002). *The Delphi method: techniques and applications*: University of Southern California.
- Lippert, S. K., & Davis, M. (2006). A conceptual model integrating trust into planned change activities to enhance technology adoption behavior. *Journal of Information Science*, 32(5), 434-446.
- Little, A. W., & Green, A. (2009). Successful globalisation, education and sustainable development. *International Journal of Educational Development*, 29(2), 166–174.
- Little, A. W., & Sabates, R. (2008). Economic globalisation, youth expectations and social class: the case of Sri Lanka. *International Journal of Educational Development*, 28(6), 708-722.
- Little, B. (2006). Shaping the blends. *Industrial and Commercial Training*, 38(4), 190-195.
- Little, B., & Williams, R. (2010). Students' roles in maintaining quality and in enhancing learning: is there a tension? *Quality in Higher Education*, 16(2), 115 — 127.
- Littlejohn, A., & Buckingham Shum, S. (2003). Reusing online resources: a sustainable approach to elearning. *Journal*, (1). Retrieved from <http://www-jime.open.ac.uk/2003/1/>
- Liu, C.-C. (2005). The attitudes of university teachers to adopt information technology in teaching. *Information Technology Journal* 14(4), 445-450.
- Liu, G.-Z. (2008). Innovating research topics in learning technology: where are the new blue oceans? [Article]. *British Journal of Educational Technology*, 39(4), 738-747.
- Liu, G.-Z., & Hwang, G.-J. (2010). A key step to understanding paradigm shifts in e-learning: towards context-aware ubiquitous learning. [Article]. *British Journal of Educational Technology*, 41(2), E1-E9.
- Liu, I. F., Chen, M. C., Sun, Y. S., Wible, D., & Kuo, C.-H. (2010). Extending the TAM model to explore the factors that affect Intention to use an online learning community. [doi: DOI: 10.1016/j.compedu.2009.09.009]. *Computers & Education*, 54(2), 600-610.
- Liu, R. D. (2010). Psychological research in educational technology in China. [Article]. *British Journal of Educational Technology*, 41(4), 593-606.

- Liu, S.-H., Liao, H.-L., & Pratt, J. A. (2009). Impact of media richness and flow on e-learning technology acceptance. *Computers & Education, 52*(3), 599-607.
- Liu, Y., Li, H., & Carlsson, C. (2010). Factors driving the adoption of m-learning: an empirical study. *Computers & Education, 55*(3), 1211-1219.
- Livingstone, S. (2004). Media literacy and the challenge of new information and communication technologies. [Article]. *The Communication Review, 7*(1), 3-14.
- Lloyd, M., & Albion, P. (2005). *Mistaking the tool for the outcome: using activity system theory to understand the complexity of teacher technophobia*. Paper presented at the Society for Information Technology and Teacher Education International Conference (SITE) 2005. Retrieved 26 December 2011, from <http://eprints.qut.edu.au/archive/00003847>
- Lloyd, M. M., & Albion, P. R. (2009). Altered geometry: a new angle on teacher technophobia. *Journal, 17*(1), 30. Retrieved from <http://eprints.usq.edu.au/4992/>
- Lockheed, M., Harris, A., & Jayasundera, T. (2010). School improvement plans and student learning in Jamaica. *International Journal of Educational Development, 30*(1), 54–66.
- Loertscher, D. (2009). Does technology really make a difference? *Teacher Librarian, 37*(2), 48-49, 88.
- Lokken, F., & Womer, L. (2007). *Trends in e-learning: tracking the impact of e-learning in Higher Education: 2006 Distance Education survey results*: Instructional Technology Council publication.
- London Economics. (2005). *The returns to various types of investment in education and training: final report*: European Commission: Directorate General Education and Culture.
- Long, L. K., DuBois, C. Z., & Faley, R. H. (2008). Online training: the value of capturing trainee reactions. *Journal of Workplace Learning, 20*(1), 21-37.
- Longworth, N., & Davies, W. K. (1996). *Lifelong learning: new vision, new implications, new roles for people, organizations, nations and communities in the 21st century*. London: Kogan Page.
- Lonn, S., & Teasley, S. D. (2009). Podcasting in higher education: what are the implications for teaching and learning? *The Internet and Higher Education, 12*(2), 88-92.
- Looi, C.-K., Seow, P., Zhang, B., So, H.-J., Chen, W., & Wong, L.-H. (2010). Leveraging mobile technology for sustainable seamless learning: a research agenda. [Article]. *British Journal of Educational Technology, 41*(2), 154-169.
- Lopez-Fernandez, O., & Rodriguez-Illera, J. L. (2009). Investigating university students' adaptation to a digital learner course portfolio. *Computers & Education, 52*(3), 608-616.
- López-Nicolás, C., Molina-Castillo, F. J., & Bouwman, H. (2008). An assessment of advanced mobile services acceptance: contributions from TAM and diffusion theory models. *Information & Management, 45*(6), 359-364.

- López-Pérez, M. V., Pérez-López, M. C., & Rodríguez-Ariza, L. (2011). Blended learning in higher education: students' perceptions and their relation to outcomes. *Computers & Education, 56*(3), 818-826.
- Lord, G., & Lomicka, L. (2008). Blended learning in teacher education: an investigation of classroom community across media. *Journal, 8*(2), 158-174. Retrieved from <http://www.citejournal.org/articles/v8i2general1.pdf>
- Lorenz, E. (2001). Models of cognition, the contextualisation of knowledge and organisational theory. *Journal of Management and Governance, 5*(3), 307-330.
- Lottridge, D. (2007). Hedonic affective response as a measure of human performance. Unpublished PhD qualifying exam document. University of Toronto.
- Loughran, J. (2007). Researching teaching education practices. *Journal of Teacher Education, 58*(1), 12-20.
- Louw, J., Brown, C., Muller, J., & Soudien, C. (2009). Instructional technologies in social science instruction in South Africa. *Computers & Education, 53*(2), 234-242.
- Loveless, A., Burton, J., & Turvey, K. (2006). Developing conceptual frameworks for creativity, ICT and teacher education. *Thinking Skills and Creativity, 1*(1), 3-13.
- Lowe, G. S., & McAuley, J. (2000). *Adult literacy and lifeskills survey: information and communication technology literacy assessment framework*.
- Lowendahl, J.-M. (2010). Training, support and sourcing of e-learning platforms in higher education, 2006 to 2010. Retrieved 14 November, 2011, from http://my.gartner.com/resources/208700/208775/training_support_and_sourcin_208775.pdf?li=1
- Lowendahl, J.-M., & Harris, M. (2009). Key issues for higher education, 2009: the future is now, strategic planning capabilities are crucial. Retrieved 13 November, 2009, from http://my.gartner.com/portal/server.pt/gateway/PTARGS_0_188656_353...
- Lowendahl, J.-M., Harris, M., Rust, B., Gootzit, D., Fiering, L., Margevicius, M. A., et al. (2009). Hype cycle for education, 2009. Retrieved 6 February, 2010, from <http://my.gartner.com/portal/server.pt?open=512&objID=260&mode=2&PageID=3460702&resId=1095713&ref=QuickSearch&stkw=hype+cycle+education>
- Lowendahl, J.-M., Zastrocky, M., & Harris, M. (2008). Gartner higher education e-learning survey 2007: clear movements in the market. Retrieved 30 October, 2008, from http://www.gartner.com/DisplayDocument?ref=g_search&id=630217&subref=simplesearch
- Lowendahl, J.-M., Zastrocky, M., Harris, M., Drakos, N., Andrews, W., Knox, R. E., et al. (2008). Hype cycle for higher education, 2008. Retrieved 30 October, 2008, from http://www.gartner.com/DisplayDocument?doc_cd=158592&format=html
- Lu, L.-F. L., & Jeng, I. (2006). Knowledge construction in inservice teacher online discourse: impacts of instructor roles and facilitative strategies. *Journal of Research on Technology in Education, 39*(2), 183-202.
- Lu, M.-t. (2005). Internet banking: strategic responses to the accession of WTO by Chinese banks. *Industrial Management & Data Systems, 105*(4), 429-442.

- Luan, W. S., & Teo, T. (2009). Investigating the technology acceptance among student teachers in Malaysia: an application of the Technology Acceptance Model (TAM). *The Asia-Pacific Education Researcher*, 18(2), 261-272.
- Luchs, M. G., Brower, J., & Chitturi, R. (2010). *Trading-off sustainability: choice and willingness-to-pay given a trade-off between sustainability and performance*. Paper presented at the AMA Marketing & Public Policy Conference. Retrieved 11 December 2011, from http://mason.wm.edu/faculty/documents/luchs_performance_sustainability.pdf
- Luckin, R. (2008). The learner centric ecology of resources: a framework for using technology to scaffold learning. [doi: DOI: 10.1016/j.compedu.2007.09.018]. *Computers & Education*, 50(2), 449-462.
- Luke, A., & Freebody, P. (1999). Further notes on the four resources model. Retrieved 19 December, 2011, from <http://www.readingonline.org/research/lukefreebody.html>
- Lundin, J., Lymer, G., Holmquist, L. E., Brown, B., & Rost, M. (2010). Integrating students' mobile technology in higher education. *International Journal of Mobile Learning and Organisation*, 4(1), 1-14.
- Lundy, J. (2007). Questions clients frequently ask about e-learning systems. Retrieved 30 October, 2008, from http://www.gartner.com/DisplayDocument?ref=g_search&id=531207&subref=simplesearch
- Luo, J. S., & Ton, H. (2006). Personal digital assistants in Psychiatric education. *Academic Psychiatry*, 30(6), 516-521.
- Luo, M. M., Chea, S., & Chen, J.-S. (2011). Web-based information service adoption: a comparison of the motivational model and the uses and gratifications theory. *Decision Support Systems*, 51(1), 21-30.
- Lupo, D., & Erlich, Z. (2001). Computer literacy and applications via distance e-learning. *Computers & Education*, 36(4), 333-345.
- Luyt, B. (2006). Defining the digital divide: the role of e-readiness indicators. *Aslib Proceedings: New Information Perspectives*, 58(4), 276-291.
- Lynn, L. H., Mohan Reddy, N., & Aram, J. D. (1996). Linking technology and institutions: the innovation community framework. *Research Policy*, 25(1), 91-106.
- Lytras, M. D., & Pouloudi, A. (2001). E-learning: just a waste of time. Retrieved 2 January, 2010, from http://mdl.itgo.com/pdf_files/amcis2001_PAPER1_FIN
- Ma, L., Vogel, D., & Wagner, C. (2000). Will virtual education initiatives succeed? *Information Technology and Management*, 1(4), 209-227.
- Macdonald, J. (2003). Assessing online collaborative learning: process and product. *Computers & Education*, 40(4), 377-391.
- Macedo-Rouet, M., Ney, M., Charles, S., & Lallich-Boidin, G. (2009). Students' performance and satisfaction with Web vs. paper-based practice quizzes and lecture notes. *Computers & Education*, 53(2), 375-384.

- Machado, C. (2007). Developing an e-readiness model for higher education institutions: results of a focus group study. *British Journal of Educational Technology*, 38(1), 72-82.
- MacLean, P., & Scott, B. (2011). Competencies for learning design: a review of the literature and a proposed framework. [Article]. *British Journal of Educational Technology*, 42(4), 557-572.
- Maclure, R., & Denov, M. (2009). Reconstruction versus transformation: post-war education and the struggle for gender equity in Sierra Leone. *International Journal of Educational Development*, 29(6), 612–620.
- Madden, M., Fox, S., Smith, A., & Vitak, J. (2007). *Digital footprints: online identity management and search in the age of transparency*. Pew Internet American Life Project.
- Madhyastha, T., & Tanimoto, S. (2009). Faring with facets: building and using databases of student misconceptions. *Journal*, (1). Retrieved from <http://jime.open.ac.uk/2009/01>
- Magno, C., & Silova, I. (2007). Teaching in transition: examining school-based gender inequities in central/southeastern Europe and the former Soviet Union. [doi: DOI: 10.1016/j.ijedudev.2006.08.004]. *International Journal of Educational Development*, 27(6), 647-660.
- Mahan, A. (2003). Regulatory peripheries: using prepaid to extend the network. *info*, 5(4), 37-44.
- Mahan, A., & Melody, W. (2009). Network development: wireless applications for the next billion new users. *info*, 11(2).
- Malik, N. A., Belawati, T., & Baggaley, J. P. (2005). Framework of collaborative research and development on distance technology in Asia. *Indian Journal of Open Learning*, 14(1), 235-247.
- Mallinson, B., & Sewry, D. (2004). *eLearning at Rhodes University – a case study*. Paper presented at the Proceedings of the IEEE International Conference on Advanced Learning Technologies (ICALT'04), Joensuu, Finland.
- Mandinach, E. B. (2005). The development of effective evaluation methods for e-learning: a concept paper and action plan. *Teachers College Record*, 107(8), 1814-1835.
- Manton, M., Fernandez, B., Balch, D., & Meredith, M. (2004). Forced to conform? Using common processes and standards to create effective eLearning. *Journal*, (14). Retrieved from <http://www-jime.open.ac.uk/2004/14>
- Marceau, G. (2003). Professional development in adult basic education. *New Directions for Adult & Continuing Education*(98), 67.
- Marcoulides, G. A., Cavus, H., Marcoulides, L. D., & Gunbatar, M. S. (2009). Predictors of computer anxiety: a factor mixture model analysis. *Psychological Reports*, 105, 687-696.

- Maree, J. G., Hislop-Esterhuizen, N., Swanepoel, A., & vander Linde, M. J. (2008). Factors influencing the choice of profession of first-year teaching students. *Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tegnologie*, 27(1), 30-52.
- Maree, J. G., Louw, C. J., & Milard, S. (2004). The impact of tutorials on achievement in mathematics of first year students. *SA Tydskrif vir Natuurwetenskap en Tegnologie*, 23(1 & 2), 25-34.
- Marion, A., & Hacking, E. H. (1998). Educational publishing and the World Wide Web. *Journal*, (2). Retrieved from <http://www-jime.open.ac.uk/98/2>
- Markauskaite, L. (2005, 24 June). *Exploring differences in trainee teachers' ICT literacy: does gender matter?* Paper presented at the Ascilite 2005, Brisbane.
- Markauskaite, L. (2005, 5-8 July). *From a static to dynamic concept: a model of ICT literacy and an instrument for self-assessment*. Paper presented at the Advanced Learning Technologies, 2005. ICALT 2005. Fifth IEEE International Conference.
- Markauskaite, L. (2005). Notions of ICT literacy in Australian school education. *Informatics in Education*, 4(2), 253–280.
- Markauskaite, L. (2007). Exploring the structure of trainee teachers' ICT literacy: the main components of, and relationships between, general cognitive and technical capabilities *Educational Technology Research and Development*, 55(6), 547-572.
- Marker, P., McNamara, K., & Wallace, L. (2002). *The significance of information and communication technologies for reducing poverty*. London: United Kingdom, Department for International Development
- Marques, B., & Brandão, R. (2010). The impact of Web 2.0 in the informal learning of the Portuguese SME. *Journal*, 18, 1-13. Retrieved from www.elearningpapers.eu
- Marshall, G., & Cox, M. (2008). Research methods: their design, applicability and reliability. In J. Voogt & G. Knezek (Eds.), *International handbook of information technology in primary and secondary education* (pp. 983-986). New York: Springer.
- Marshall, S. (2003). The challenges and opportunities created by advances in information and communication technology in higher education in a globally competitive environment, with special reference to the University of West Indies Distance Education Centre. Retrieved 4 January, 2009, from <http://cavehill.uwi.edu/bnccde/docs/marshallstewart.htm>
- Marshall, S. (2005). *NZ E-learning capability determination: determination of New Zealand tertiary institution e-learning capability: an application of an e-learning maturity model: report on the e-learning maturity model evaluation of the New Zealand tertiary sector*. Wellington: Victoria University of Wellington.
- Marshall, S. (2007). *eMM Version 2.3: process descriptions*. Wellington: Victoria University of Wellington.
- Marshall, S. (2007). *eMM Version 2: e-learning maturity model: eMM-Core self-assessment workbook*. Wellington: Victoria University of Wellington.

- Marshall, S. (2008). What are the key factors that lead to effective adoption and support of e-learning by institutions? Retrieved 14 June, 2009, from <http://www.herdsa.org.au/wp-content/uploads/conference/2008/media/Marshall.pdf>
- Martin, A., & Oates, L. (2002). *Underpinning the learning environment: strategic decisions for ICT literacy in higher education*. Paper presented at the The New Educational Benefits of ICT in Higher Education: Proceedings, Rotterdam.
- Martinez, C. A. (2005, 7-9 July). *From computer literacy to on line programs for higher education teachers: the UASD case*. Paper presented at the Information Technology Based Higher Education and Training, 2005. ITHET 2005. 6th International Conference.
- Martinez-Balleste, A., Sebe, F., & Domingo-Ferrer, J. (2004). *Computer skills training to (middle-aged) adults: problems and program*. Paper presented at the Information Technology: Coding and Computing, 2004. Proceedings. ITCC 2004. International Conference. Retrieved 4 September 2011, from <http://ieeexplore.ieee.org.nwulib.nwu.ac.za/stamp/stamp.jsp?tp=&arnumber=1286441>
- Masitsa, M. G. (2006). Student motivation: the study approaches of grade twelve learners in township schools. *South African Journal of Higher Education, 20*(3), 122-136.
- Mason, M. (2009). Making educational development and change sustainable: insights from complexity theory. *International Journal of Educational Development, 29*(2), 117-124.
- Mason, R., Pegler, C., & Weller, M. (2005). A learning object success story. *Journal of Asynchronous Learning Networks, 9*(1), 97-105.
- Masters, K., & Gibbs, T. (2007). The spiral curriculum: implications for online learning. *BMC Medical Education, 7*(52).
- Materi, R. R., & Fahy, P. J. (2004). Interim report: a case study of internet-based distance education program development in Vietnam. *Journal, 5*(1). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/167/687>
- Mathieson, K. (1991). Predicting user intentions: comparing the Technology Acceptance Model with the Theory of Planned Behavior. *Information Systems Research, 2*(3), 173-191.
- Mathur, R., & Oliver, L. (2007). Developing an international distance education program: a blended learning approach. *Journal, 10*(4). Retrieved from <http://www.westga.edu/~distance/ojdla/winter104/mathur104.html>
- Mattsson, M., & Bosch, J. (1998). *Framework composition: problems, causes and solutions*. Paper presented at the Conference on Technology of Object-Oriented Languages and Systems (TOOLS 23), Santa Barbara, CA.
- Maugis, V., Choucri, N., Madnick, S. E., Siegel, M. D. U., Gillett, S. E., Haghseta, F., et al. (2005). Global e-readiness—for what? Readiness for e-Banking. *Information Technology for Development, 11*(4), 313–342.
- Mavrommatis, G. (2008). Learning objects and objectives towards automatic learning construction. *European Journal of Operational Research, 187*(3), 1449-1458.

- Maxcy, S. J. (2003). Pragmatic Threads in Mixed Methods Research in the Social Sciences: The Search for Multiple Modes of Inquiry and the End of the Philosophy of Formalism. In A. Tashakkori & C. Teddlie (Eds.), *Handbook of mixed methods in social and behavioral research* (pp. 51-90). Thousand Oaks: Sage Publications.
- Mayadas, A. F., & Picciano, A. G. (2007). Blended learning and localness: the means and the end. *Journal of Asynchronous Learning Networks*, 11(1), 3-7.
- Mayes, A. S., & Burgess, H. (2010). Open and distance learning for initial teacher education. In A. Umar & P. Danaher (Eds.), *Perspectives on teacher education through Open and Distance Learning* (pp. 35-46). Vancouver: Commonwealth of Learning.
- Mayes, J. T., & Fowler, C. J. H. (1999). Learning technology and usability: a framework for understanding courseware. *Interacting with Computers*, 11, 485-497.
- Mayes, T. (2001). Learning technology and learning relationships. In J. Stephenson (Ed.), *Teaching and learning online: new pedagogies for new technology* (pp. 16-26). London: Koga Page.
- Mazalek, A., & Van den Hoven, E. (2009). Framing tangible interaction frameworks. *Journal*, 23(Special issue 03), 225-235. Retrieved from http://novak.cc.gt.atl.ga.us/data/papers/mazalek_aiedam2009_framing-tangible-interaction-frameworks.pdf. doi:10.1017/S0890060409000201
- Mazza, R., & Dimitrova, V. (2007). CourseVis: a graphical student monitoring tool for supporting instructors in web-based distance courses. *International Journal of Human-Computer Studies*, 65(2), 125-139.
- Mazzolini, M., & Maddison, S. (2007). When to jump in: the role of the instructor in online discussion forums. *Computers & Education*, 49(2), 193-213.
- McAndrew, P. (2010). Defining openness; updating the concept of "open" for a connected world. *Journal*, (10). Retrieved from <http://oro.open.ac.uk/25819/>
- McAndrew, P. (2011). Fostering open educational practices. *Journal*, 23(March). Retrieved from <http://www.elearningeuropa.info/files/media/media25174.pdf>
- McCalla, G. (2004). The ecological approach to the design of e-learning environments: purpose-based capture and use of information about learners. *Journal*, (7). Retrieved from <http://www.jime.open.ac.uk/2004/7>
- McCarty, S. (2005). Cultural, disciplinary and temporal contexts of e-learning and English as a foreign language. *Journal*, 4. Retrieved from <http://www.elearnmag.org/subpage.cfm?section=research&article=4-1>
- McCombs, B. L. (2000). *Assessing the role of educational technology in the teaching and learning process: a learner-centered perspective*. Paper presented at the Secretary's Conference on Educational Technology 2000. Retrieved 17 February 2009, from http://www.ed.gov/rschstat/eval/tech/techconf00/mccombs_paper.html
- McDonald, J. (2007). *The role of online discussion forums in supporting learning in higher education* Unpublished DEd, University of Southern Queensland.

- McDougall, J. (2010). A crisis of professional identity: how primary teachers are coming to terms with changing views of literacy. *Teaching and Teacher Education*, 26(3), 679-687.
- McGarr, O. (2009). A review of podcasting in higher education: its influence on the traditional lecture. *Australasian Journal of Educational Technology*, 25(3), 309-321.
- McGrath, K. (2006). Affection not affliction: the role of emotions in information systems and organizational change. *Information and Organization*, 16(4), 277-303.
- McGrath, S. (2008). Education and development in diverse contexts. *International Journal of Educational Development*, 28(3), 229-230.
- McGrath, S. (2008). Education, culture and society: the complex dynamics of change. *International Journal of Educational Development*, 28(6), 625-627.
- McGrath, S. (2010). Beyond aid effectiveness: the development of the South African further education and training college sector, 1994-2009. [doi: DOI: 10.1016/j.ijedudev.2010.03.011]. *International Journal of Educational Development*, 30(5), 525-534.
- McGrath, S. (2010). Editorial: the right to quality education. *International Journal of Educational Development*, 30(1), 1-2.
- McGrath, S., & Akoojee, S. (2009). Vocational education and training for sustainability in South Africa: the role of public and private provision. *International Journal of Educational Development*, 29(2), 149-156.
- McIntosh, C., & Varoglu, Z. (Eds.). (2005). *Lifelong learning and distance higher education*. Vancouver: COL, UNESCO
- McIsaac, M. S., & Gunawardena, C. N. (1996). Distance education. In D. H. Jonassen (Ed.), *Handbook of research for educational communications and technology: a project of the Association for Educational Communications and Technology* (pp. 403-437). New York: Simon & Schuster Macmillan.
- McKimm, J. (2009). Assessing learning needs. *British Journal of Hospital Medicine*, 70(6), 348-351.
- McKinney, D., Dyck, J. L., & Luber, E. S. (2009). iTunes University and the classroom: can podcasts replace professors? *Computers & Education*, 52(3), 617-623.
- McLean, K. (2009). *Technology as a doorway to literacy in the early years of education: access, equity and quality in literacy education*. Paper presented at the National Conference for Teachers of English and Literacy. Retrieved 14 December 2011, from <http://www.englishliteracyconference.com.au/files/MacleanKaren.pdf>
- McLoughlin, C. (2002). Learner support in distance and networked learning environments: ten dimensions for successful design. *Distance Education*, 23(2), 149-162.
- McMillan, J. H., & Schumacher, S. (2001). *Research in education: a conceptual introduction* (5th ed.). New York: Longman.
- McMillan, S. (1996). Literacy and computer literacy: definitions and comparisons. *Computers & Education*, 27(3/4), 161-170.

- McNeil, J., Borg, M., & Tomas, C. (2011). The assessment life cycle: a model for analysing institutional e-assessment development. [Article]. *British Journal of Educational Technology*, 42(2), E21-E24.
- McQuiggan, Lee, S., & Lester, J. C. (2007). *Early prediction of student frustration*. Paper presented at the ACII '2007.
- McVay, G. J., Snyder, K. D., & Graetz, K. A. (2005). Evolution of a laptop university: a case study. *British Journal of Educational Technology*, 36(3), 513-524.
- McVeigh, H. (2009). Factors influencing the utilisation of e-learning in post-registration nursing students. [doi: DOI: 10.1016/j.nedt.2008.07.004]. *Nurse Education Today*, 29(1), 91-99.
- Meeker, P. B., & Byers, J. F. (2003). Data-driven graduate curriculum redesign: a case study. *Journal of Nursing Education*, 42(4), 186-188.
- Mehra, P., & Mital, M. (2007). Integrating technology into the teaching-learning transaction: pedagogical and technological perceptions of management faculty. *International Journal of Education and Development using Information and Communication Technology*, 3(1), 105-115.
- Melchers, K. G., Shanks, D. R., & Lachnit, H. (2008). Stimulus coding in human associative learning: flexible representations of parts and wholes. [doi: DOI: 10.1016/j.beproc.2007.09.013]. *Behavioural Processes*, 77(3), 413-427.
- Meleisea, E. (2007). *ICT in education in the Asia-Pacific region: progress and plans*. Bangkok: UNESCO.
- Mengel, T. (2008). Outcome-based project management education for emerging leaders - a case study of teaching and learning project management. *International Journal of Project Management*, 26(3), 275-285.
- Menken, J., Blanc, A. K., & Lloyd, C. B. (2002). *Training and support of developing-country population scientists : a panel report*.
- MENON Network EEIG. (2003). *DELOS integrated shortlist of indicators*. Paper presented at the 3rd DELOS Seminar. Retrieved 12 November 2008, from <http://thor.lrf.gr/.../Seminars/seminar2/Seminar%202%20>
- MENON Network EEIG (s.a.). MENON Education Multimedia Support Network Europe. from http://brs.leeds.ac.uk:8080/dbsql/AQueryServlet?*id=4&*context=Perine&language=IT&id=519
- Meredith, S., & Newton, B. (2003). Models of eLearning: technology promise vs learner needs - literature review. *The International Journal of Management Education*, 3(3), 43-56.
- Merriam, S. B. (1998). *Qualitative research and case study application in education*. San Francisco, CA: Jossey-Bass.
- Mertens, D. M. (2003). Mixed methods and the politics of human research: the transformative-emancipatory perspective. In A. Tashakkori & C. Teddlie (Eds.), *Handbook of Mixed Methods in Social and Behavioral Research* (pp. 135-165). London: Sage.

- Meyer, K. A. (2005). The ebb and flow of online discussions: what Bloom can tell us about our students' conversations *Journal*, 9(1), 53-63. Retrieved from http://sloan-c.org/publications/jaln/v9n1/pdf/v9n1_meyer.pdf
- Meyer, K. A., & Xu, Y. J. (2009). A causal model of factors influencing faculty use of technology. *Journal of Asynchronous Learning Networks*, 13(2), 57-69.
- Meyer, S. M. (2005). *An investigation into the affective experiences of students in an online learning environment*. Unpublished PhD, University of Pretoria, Pretoria.
- Mian, S. A. (1997). Assessing and managing the university technology business incubator: an integrative framework. *Journal of Business Venturing*, 12(4), 251-285.
- Miao, Y., Fleschutz, J. M., & Zentel, P. (2000, 14-17 June). *Enriching learning contexts to support communities of practice*. Paper presented at the International Conference of the Learning Sciences, Ann Arbor.
- Miao, Y., Van der Klink, M., Boon, J., Sloep, P., & Koper, R. (2009). Enabling teachers to develop pedagogically sound and technically executable learning designs. *Distance Education* 30(2), 259-276.
- Michinov, N., & Michinov, E. (2008). Face-to-face contact at the midpoint of an online collaboration: its impact on the patterns of participation, interaction, affect, and behavior over time. *Computers & Education*, 50(4), 1540-1557.
- Middlehurst, R. (2002). *The developing world of borderless higher education: markets, providers, quality assurance and qualifications*: UNESCO. Division of Higher Education: Section for Access, Mobility and Quality Assurance.
- Miguez, R., Santos, J., & Anido, L. (2009). *Towards a framework to support ICT-based processes in early care settings*. Paper presented at the IcaIt: 2009 IEEE International Conference on Advanced Learning Technologies, New York.
- Milanesi, C. (2010). Key issues for mobile devices, 2010. Retrieved 17 July, 2010, from http://my.gartner.com/portal/server.pt?open=512&objID=260&mode=2&PageID=3460702&id=1325934&ref=g_emailert
- Milanesi, C., Jones, N., Basso, M., Gammage, B., De La Vergne, H. J., Hart, T. J., et al. (2009). Hype cycle for mobile device technologies. Retrieved 18 July, 2010, from <http://my.gartner.com/portal/server.pt?open=512&objID=260&mode=2&PageID=3460702&resId=1085512&ref=QuickSearch&stkw=%22Hype+Cycle+for+Mobile+Device+Technologies%22>
- Millenbah, K. F., & Wolter, B. H. K. (2009). The changing face of natural resources students, education, and the profession. *Journal of Wildlife Management*, 73(4), 573-579.
- Miller, A. S., & Anderson, S. E. (2007). *Development of a matrix of teaching models based on instructional and nurturant effects*: Texas Woman's University.
- Miller, G. E., & Schiffman, S. (2006). ALN business models and the transformation of higher education. *Journal of Asynchronous Learning Networks*, 10(2), 15-21.
- Milligan, C. D., Beauvoir, P., Johnson, M. W., Sharples, P., Wilson, S., & Liber, O. (2006). Developing a reference model to describe the personal learning environment. In

Innovative Approaches for Learning and Knowledge Sharing (pp. 506-511). Berlin Springer.

Milliron, M. D., & Prentice, M. (2004). Anytime, anyplace and the community college: ten emerging insights. *Journal of Asynchronous Learning Networks*, 8(1), 1-6.

Mills, K. A. (2010). A review of the "Digital Turn" in the new literacy studies. *Review of Educational Research*, 80(2), 246–271.

Mills, K. A. (2010). Shrek meets Vygotsky : rethinking adolescents' multimodal literacy practices in schools. *Journal of Adolescent and Adult Literacy*, 54(1), 35-41.

Milne, J., & Dimock, E. (2006). *e-Learning guidelines: guidelines for the support of e-learning in New Zealand tertiary institutions*. Palmerston North: Massey University.

Milner, H. (2008). *Economic benefits of digital inclusion: building the evidence: UK online centres*.

Milojicic, D. (2000). Internet technology. *IEEE Concurrency*, January-March, 70-81.

Milrad, M., Rossmann, P., & Scholz, M. (2005). Implementing an educational digital video library using MPEG-4, SMIL and web technologies. *Educational Technology & Society*, 8(4), 120-127.

Mims, C., Polly, D., Shepherd, C., & Inan, F. (2006). Examining PT3 projects designed to improve preservice education. *TechTrends*, 50(3), 16-24.

Usability issues of e-Learning systems: case-study for Moodle learning management system, (2008).

Mishra, P., & Koehler, M. J. (2006). Technological pedagogical content knowledge: a framework for teacher knowledge. *Teachers College Record*, 108(6), 1017–1054.

Mishra, S. (2009). Educational technology: a definition with commentary - By Alan Januszewski & Michael Molenda. *British Journal of Educational Technology*, 40(1), 187-187.

MIT Media Lab. (s.a.). Affective communication. Retrieved 29 April, 2011, from <http://affect.media.mit.edu/areas.php?id=communication>

Mitchell, S. (2005). *Perceptions of faculty on quality benchmarks in interactive video and web based distance learning*. Unpublished PhD, University of Akron, Akron.

Mitev, N. N. (2006). Postmodernism and criticality in information systems research: what critical management studies can contribute. *Social Science Computer Review*, 24(3), 310-325.

Mithcell, K. (2003). Educating the national citizen in neoliberal times: from the multicultural self to the strategic cosmopolitan. *Transactions of the British Geographers* 28 2003, 28, 387–403.

Mitra, S., & Hendrikz, J. (2009). *Manual for the tutors of learning centres in open schools*. Vancouver: Commonwealth of Learning.

- Mkrttchian, V., Brandt, D., & Yeranossyan, H. (2008, 6-11 July). *eLearning and social perspective in All Armenian Internet University*. Paper presented at the Proceedings of the 17th World Congress The International Federation of Automatic Control, Seoul.
- Mnjama, N., & Wamukoya, J. (2007). E-government and records management: an assessment tool for e-records readiness in government. *The Electronic Library*, 25(3), 274-284.
- Moersch, C. (1995). Levels of technology implementation (LoTi): a framework for measuring classroom technology use. Retrieved 15 June, 2009, from <http://loticonnection.com/pdf/LoTiFrameworkNov95.pdf>
- Molla, A., & Heeks, R. (2007). Exploring e-commerce benefits for businesses in a developing country. *The Information Society*, 23, 95–108.
- Molla, A., & Licker, P. S. (2005). Perceived e-readiness factors in e-commerce adoption: an empirical investigation in a developing country. *International Journal of Electronic Commerce*, 10(1), 83-110.
- Moller, L. (1998). Designing communities of learners for asynchronous distance education. *Educational Technology, Research and Development*, 46(4), 115-122.
- Molnar, A. R. (1978). *The next great crisis in American education: computer literacy*. Washington, D.C.: National Science Foundation.
- Moloney, J. F., Hickey, C. P., Bergin, A. L., Boccia, J., Polley, K., & Riley, J. E. (2007). Characteristics of successful local blended programs in the context of the Sloan-C Pillars. *Journal of Asynchronous Learning Networks*, 11(1), 29-47.
- Moloney, J. F., & Oakley, B. (2010). Scaling online education: increasing access to higher education. *Journal of Asynchronous Learning Networks*, 14(1), 55-70.
- Molope, S. S. P. (2006). *Teachers' emotional experiences in integrating ICT in the curriculum*. University of Pretoria, Pretoria.
- Montes, R., Gea, M., Dondi, C., & Salandin, T. (2011). Virtual mobility: the value of intercultural exchange. *Journal*, 24. Retrieved from <http://www.elearningeuropa.info/files/media/media25526.pdf>
- Moodley, S. (2003). Whither business-to-business electronic commerce in developing economies? The case of the South African manufacturing sector. *Information Technology for Development*, 10(1), 25.
- Moolman, H. B. (2006). *e-Readiness of warehouse workers: an exploratory study*. University of Pretoria, Pretoria.
- Moolman, H. B., & Blignaut, S. (2008). Get set! e-ready, ... e-learn! The e-readiness of warehouse workers. *Educational Technology & Society*, 11(1), 168-182.
- Moon, J.-W., & Kim, Y.-G. (2001). Extending the TAM for a World-Wide-Web context. *Information & Management*, 38(4), 217-230.
- Moore, J. C. (2010). A synthesis of Sloan-C effective practices. *Journal of Asynchronous Learning Networks*, 14(3), 24-45.

- Moore, M. A. (1997). *Connecting school-based learning and work-based learning: perceptions of students, their teachers, and their workplace supervisors*. Unpublished DPhil.
- Moore, M. G. (2003). Preface. In M. G. Moore & W. Anderson (Eds.), *Handbook of distance education* (pp. ix–xii). Mahwah, NJ: Erlbaum.
- Moore, M. G., & Kearsley, G. (1996). *Distance education: a systems view*. Belmont: Wadsworth Publishing Co.
- Moreno, L., Gonzalez, C., Castilla, I., Gonzalez, E., & Sigut, J. (2007). Applying a constructivist and collaborative methodological approach in engineering education. [doi: DOI: 10.1016/j.compedu.2005.12.004]. *Computers & Education*, 49(3), 891-915.
- Moreno, R., & Mayer, R. (2007). Interactive multimodal learning environments: special issue on interactive learning environments: contemporary issues and trends. *Educational Psychology Review*, 19(3), 309–326.
- Moreno-Ger, P., Burgos, D., Sierra, J. L., & Fernández-Manjón, B. (2007). *A game-based adaptive unit of learning with IMS learning design and <e-Adventure>*. Paper presented at the Proceedings of the Second European Conference on Technology Enhanced Learning (EC-TEL 2007), Crete.
- Moreno-Ger, P., Thomas, P. S., Martínez-Ortiz, I., Sierra, J. L., & Fernández-Manjón, B. (2007). Adaptive units of learning and educational videogames. *Journal*, (5). Retrieved from <http://jime.open.ac.uk/2007/05>
- Morgan, C. K., & McKenzie, A. D. (2003). Is enough too much? The dilemma for online distance learner supporters. *International Review of Research in Open and Distance Learning*, 4(1), 1-13.
- Morgan, M. (2005). *Distributed cognition in computer mediated learning environments*. Unpublished DPhil, Wollongong University.
- Morgan, M., Brickell, G., & Harper, B. (2008). Applying distributed cognition theory to the redesign of the 'Copy and Paste' function in order to promote appropriate learning outcomes. *Computers & Education*, 50(1), 125-147.
- Morgan, M., Butler, M., & Power, M. (2007). *Evaluating ICT in education: a comparison of the affordances of the iPod, DS and Wii*. Paper presented at the ICT: Providing choices for learners and learning. Proceedings Ascilite, Singapore.
- Moridis, C. N., & Economides, A. A. (2009). Mood recognition during online self-assessment tests. *Learning Technologies, IEEE Transactions on*, 2(1), 50-61.
- Morita, M. (2003, 31 January). *The mobile-based learning (MBL) in Japan*. Paper presented at the Proceedings of the First Conference on Creating, Connecting and Collaborating through Computing, Kyoto, Japan.
- Morley, L., Leach, F., & Lugg, R. (2009). Democratizing higher education in Ghana and Tanzania: opportunity structures and social inequalities. *International Journal of Educational Development*, 29(1), 56-64.
- Mortera-Gutierrez, F. J. (2005). *Faculty best practices using blended learning in e-learning and face-to-face instruction*. Paper presented at the 20th Annual Conference on

Distance Teaching and Learning. Retrieved 20 December 2008, from <http://www.uwex.edu/disted/conference>

- Moses, O. O. (2008). Improving mobile learning with enhanced Shih's model of mobile learning. *US-China Education Review*, 5(11), 22-28.
- Motala, S., Hoppers, W., & Pendlebury, S. (2006). Achievements and contradictions in South Africa's pursuit of democratic education. *International Journal of Educational Development*, 26(4), 348-351.
- Motiwalla, L. F. (2007). Mobile learning: a framework and evaluation. *Computers & Education*, 49(3), 581-596.
- Mott, J. (2010). Envisioning the post-LMS era: the open learning network. *Journal*, 33(1). Retrieved from <http://www.educause.edu/EDUCAUSE+Quarterly/EDUCAUSEQuarterlyMagazineVolume/EnvisioningthePostLMSEraTheOpe/199389>
- Motteram, G. (2001). The role of synchronous communication at fully distance education. *Australian Journal of Educational Technology*, 17(2), 131-149.
- Moyer, L. G. (2002). Is digital learning effective in the workplace? *Journal*, 5. Retrieved from <http://www.elearnmag.org/subpage.cfm?section=research&article=2-1>
- Müller, J. (2011). Gendering 'the Millennials'. Analysing staff responses to new student profiles in Spanish ICT higher education. *Journal*, 3(2). Retrieved from <http://genderandset.open.ac.uk/index.php/genderandset/article/view/170/342>
- Müller, J., Sancho Gil, J. M., Hernández, F., Giró, X., & Bosco, A. (2007). The socio-economic dimensions of ICT-driven educational change. *Computers & Education*, 49(4), 1175-1188.
- Murphy, E. (2005). Issues in the adoption of broadband-enabled learning. [Article]. *British Journal of Educational Technology*, 36(3), 525-536.
- Murphy, E., Rodríguez-Manzanares, M. A., & Barbour, M. (2010). Asynchronous and synchronous online teaching: perspectives of Canadian high school distance education teachers. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123581642/PDFSTART>. doi:10.1111/j.1467-8535.2010.01112.x
- Murray, T. (1998). A model for distributed curriculum on the World Wide Web. *Journal*, (5). Retrieved from <http://www-jime.open.ac.uk/98/5>
- Mushayikwa, E., & Lubben, F. (2009). Self-directed professional development – Hope for teachers working in deprived environments? *Teaching and Teacher Education*, 25(3), 375-382.
- Mutula, S. M. (2006). Freedom of information in the SADC region: implications for development and human rights. *Library Review*, 55(7), 440-449.
- Mutula, S. M. (2008). Digital divide and economic development: case study of sub-Saharan Africa. *The Electronic Library*, 26(4), 468-489.
- Mutula, S. M., & Van Brakel, P. (2006). E-readiness of SMEs in the ICT sector in Botswana with respect to information access. *The Electronic Library*, 24(6), 402-417.

- Mutula, S. M., & Van Brakel, P. (2006). An evaluation of e-readiness assessment tools with respect to information access: towards an integrated information rich tool. *International Journal of Information Management*, 26, 212-223.
- Mwanza, D., & Engestrom, Y. (2005). Managing content in e-learning environments. *British Journal of Educational Technology*, 36(3), 453-463.
- Naeve, A., Lytras, M., & Nejd, W. (2006). Advances of the semantic web for e-learning: expanding learning frontiers. *British Journal of Educational Technology*, 37(3), 321-330.
- Nagel, L., Blignaut, S., & Cronjé, J. (2007). Methical Jane: perspectives on an undisclosed virtual student. *Journal*, 12(4). Retrieved from <http://jcmc.indiana.edu/vol12/issue4/nagel.html>
- Nagi, K. (2007). *e-Readiness of higher education in India: challenges and the way forward*. Paper presented at the eINDIA2007: Digital Learning. Retrieved 25 November 2008, from <http://library.au.ac.th/research/document/paper2.pdf>
- Nanudorn, P. (2005). *Information and communication technologies (ICTs) and their roles for narrowing the development gaps in rural and remote areas in Thailand*. Unpublished PhD, Flinders University of South Australia.
- Naqvi, S. (2006). Impact of WebCT on learning: an Oman experience. *International Journal of Education and Development using Information and Communication Technology*, 2(4), 18-27.
- Nascimbeni, F. (2003). The DELOS project. *Public Service Review: European Union Autumn, September*.
- National Assessment Governing Board. (2010). Technology and engineering literacy framework for the 2014 NAEP. Retrieved 22 September, 2011, from http://www.nagb.org/publications/frameworks/tech2014-framework/ch_toc/index.html
- Nawaz, A., & Kundi, G. M. (2010). Demographic implications for the user-perceptions of e-learning in higher education institutions of N-W.F.P, Pakistan. *Journal*, 41(5), 1-17. Retrieved from <http://www.ejsdc.org/ojs2/index.php/ejsdc/article/view/640>
- Nebraska Department of Education. (1996). *Nebraska K-12 foreign language frameworks: teacher preparation guidelines* (University guideline): Nebraska Department of Education,.
- Neefe, D. O. (2001). *Comparing levels of organizational learning maturity of colleges and universities participating in traditional and non-traditional (academic quality improvement project) accreditation processes* Unpublished MA, The Graduate College, University of Wisconsin, Wisconsin.
- Negreiro, M. (2006). Benchmarking e-inclusion. Retrieved 23 September, 2009, from http://europa.eu.int/information_society/eeurope/i2010/benchmarking/index_en.htm
- Nejd, W., & Wolpers, M. (2004). *European e-learning: important research issues and application scenarios*. Paper presented at the ED-Media 2004 Retrieved 3 January 2010, from www.zsi.at/attach/edmedia04.final.pdf

- Nelson, M. B. (2010). The role of technology in curriculum development and delivery. *African Higher Education Review*, 3, 81-97.
- NetTOM. (s.a.). TOM6: introduction to research methods. Retrieved 15 November, 2009, from http://cbdd.wsu.edu/eDev/NetTOM_ToT/Resources/Other/TOM614/index.htm
- Neureiter, N. P. (2004). Science and technology in the Department of State. *Technology in Society*, 26(2-3), 303-320.
- New London Group (1996). A pedagogy of multiliteracies: designing social futures. *Journal*, 66(1), 60-92. Retrieved from http://wwwstatic.kern.org/filer/blogWrite44ManilaWebsite/paul/articles/A_Pedagogy_of_Multiliteracies_Designing_Social_Futures.htm
- New Media Consortium. (2009). *2010 Horizon report: preview*. New Media Consortium.
- New Zealand. Ministry of Education. (2009). Tertiary e-Learning in New Zealand. Retrieved 15 March, 2009, from <http://www.minedu.govt.nz/educationSectors/TertiaryEducation/PublicationsAndResources/TertiaryELearningInNewZealand.aspx#MinofEd>
- New Zealand. Ministry of Education. (s.a.). Services for tertiary education organisations. Retrieved 4 October, 2009, from <http://cms.steo.govt.nz/eLearning/e-Learning+on+STEO.htm>
- Newhouse, C. P. (2011). Using IT to assess IT: towards greater authenticity in summative performance assessment. *Computers & Education*, 56(2), 388-402.
- Ng, P., & Tsoi, R. H.-L. (2008, 13-15 August). *A study on the students' perception of adopting blended learning at sub-degree level*. Paper presented at the Hybrid Learning: A new frontier, ICHL, City University of Hong Kong, Hong Kong.
- Ng'ambi, D., & Johnston, K. (2006). An ICT-mediated constructivist approach for increasing academic support and teaching critical thinking skills. *Educational Technology & Society*, 9(3), 244-253.
- Ngai, E. W. T., Poon, J. K. L., & Chan, Y. H. C. (2007). Empirical examination of the adoption of WebCT using TAM. *Computers & Education*, 48(2), 250-267.
- Nichols, D. M. (1998, 10-12 November). *Implicit rating and filtering*. Paper presented at the Proceedings of the Fifth DELOS Workshop on Filtering and Collaborative Filtering, Budapest.
- Nichols, M. (2010). Student perceptions of support services and the influence of targeted interventions on retention in distance education. *Distance Education*, 31(1), 93-113.
- Nickerson, J. V., Corter, J. E., Esche, S. K., & Chassapis, C. (2007). A model for evaluating the effectiveness of remote engineering laboratories and simulations in education. *Computers & Education*, 49(3), 708-725.
- Niemiec, M., & Otte, G. (2009). An administrator's guide to the whys and hows of blended learning. *Journal of Asynchronous Learning Networks*, 13(1), 19-30.
- Nijhuis, G. G., & Collis, B. (2005). How can academics stay in control? [Article]. *British Journal of Educational Technology*, 36(6), 1035-1049.

- Nilsen, H., & Purao, S. (2005). Balancing objectivist and constructivist pedagogies for teaching emerging technologies: evidence from a Scandinavian case study. *Journal of Information Systems Education*, 16(3), 281.
- Nistor, N., & Heymann, J. O. (2010). Reconsidering the role of attitude in the TAM: an answer to Teo (2009a). *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123581639/PDFSTART>. doi:10.1111/j.1467-8535.2010.01109.x
- Nixon, A., & Wild, D. (s.a.). Methodologies for assessing and demonstrating data saturation in qualitative inquiry supporting patient-reported outcomes research. Retrieved 21 February, 2010, from http://www.oxfordoutcomes.com/library/conference_material/posters/PRO/Methodologies%20for%20assessing%20and%20demonstrating.pdf
- Nomura, K. (2009). A perspective on education for sustainable development: historical development of environmental education in Indonesia. *International Journal of Educational Development*, 29(6), 621-627.
- Nordtveit, B. H. (2010). Development as a complex process of change: conception and analysis of projects, programs and policies. *International Journal of Educational Development*, 30(1), 110-117.
- North Carolina State Department of Public Education. (1983). *State plan for computer utilization in North Carolina public schools*.
- North-West University. (2009). *OpenCourseWare*. Potchefstroom: North-West University.
- Notess, M., & Lorenzen-Huber, L. (2007). Online learning for seniors: barriers and opportunities. *Journal*, 5. Retrieved from <http://www.elearnmag.org/subpage.cfm?section=research&article=7-1>
- Nottingham Trent University. (2006-2007). *Benchmarking of e-learning at Nottingham Trent University*.
- Nummenmaa, N. (2007). *Emotions in a web-based learning environment*. University of Turku.
- Nunes, M. B., & McPherson, M. (2003). Action research in continuing professional distance education. *Journal of Computer Assisted Learning*, 19, 429-437.
- Nworie, J. (2009). Managing the growing complexity of administration of academic technology in higher education. *Journal*, 17(1), 23-44. Retrieved from <http://www.editlib.org/f/26992>
- O'Brien, H. L. (2010). The influence of hedonic and utilitarian motivations on user engagement: the case of online shopping experiences. *Interacting with Computers*, 22(5), 344-352.
- O'Sullivan, P. J., & Whitecar, D. S. (2000). Implementing an industry e-business initiative: getting to RosettaNet. *Intel Technology Journal*, Q1, 1-15.
- Oblinger, D. G., & Hawkins, B. L. (2005). The myth about e-learning. *EDUCAUSE Review*, July/August 2005, 14-15.

- Oblinger, D. G., & Oblinger, J. L. (2005). Educating the Net Generation, Available from <http://www.educause.edu/educatingthenetgen>
- Ochwa-Echel, J. (2011). Gender gap in computer science education: experiences of women in Uganda. *Journal*, 3(2). Retrieved from <http://genderandset.open.ac.uk/index.php/genderandset/article/view/119/350>
- O'Curry, S., & Strahilevitz, M. (2001). Probability and mode of acquisition effects on choice between hedonic and utilitarian options. *Marketing Letters*, 12(1), 37-49.
- O'Driscoll, M. P., Brough, P., Timms, C., & Sawang, S. (2010). Engagement with information and communication technology and psychological well-being. In P. L. Perrewe & D. C. Ganster (Eds.), *New developments in theoretical and conceptual approaches to job stress: research in occupational stress and well-being* (Vol. 8, pp. 269-316). London: Emerald Publishing.
- OECD (2005). Education at a glance 2005, Available from http://www.oecd.org/documentprint/0,3455,en_2649_39263238_352895...
- OECD. (2008). *Tertiary education for the knowledge society*.
- OECD. (2010). *Are the new millennium learners making the grade. Technology and educational performance in PISA*. Paris: OECD.
- Office of Technology Assessment (1993). Adult literacy and new technologies: tools for a lifetime, Available from http://books.google.co.za/books?id=OFBBPVjHxlcC&dq=Adult+Literacy+and+New+Technologies+Tools&printsec=frontcover&source=bl&ots=DfgjEhMuTF&sig=IXHXHul76R_Bmc0oAxOMBR3iKrl&hl=en&ei=lfY-S_WTAtK54gbWo-WqCA&sa=X&oi=book_result&ct=result&resnum=3&ved=0CBQQ6AEwAg#v=onepage&q=&f=false
- Offir, B., Barth, I., Lev, Y., & Shteinbok, A. (2003). Teacher–student interactions and learning outcomes in a distance learning environment. *The Internet and Higher Education*, 6(1), 65-75.
- Offir, B., Lev, Y., Lev, Y., & Barth, I. (2001). Using Interaction Content Analysis Instruments to Assess Distance Learning. *Computers in the Schools*, 18(2-3), 27-41.
- OFSTED. (2009). *Common inspection framework for further education and skills 2009: OFSTED*.
- Ofulue, C. I. (2011). Literacy at a distance in multilingual contexts: issues and challenges. *The International Review of Research in Open and Distance Learning*, 12(6), 85-101.
- Ojo, A., Janowski, T., & Estevez, E. (2007). *Determining progress towards e-government - what are the core indicators?* (No. UNU-IIST 360): United Nations University: International Institute for Software Technology.
- Okada, E. M. (2005). Justification effects on consumer choice of hedonic and utilitarian goods. *Journal of Marketing Research*, 42(1), 43-53.
- Okeiga, N. I. O., Okumu-Bigambo, W., & Masibo, P. F. L. (2010). The challenges of ICT in higher education: the mirage in ICT use in higher education. *African Higher Education Review*, 3, 59-73.

- Oketch, M., Mutisya, M., Ngware, M., & Ezeh, A. C. (2010). Why are there proportionately more poor pupils enrolled in non-state schools in urban Kenya in spite of FPE policy? *International Journal of Educational Development*, 30(1), 23-32.
- Okiki, O. C., & Asiru, S. M. (2011). Use of electronic information sources by postgraduate students in Nigeria: influencing factors. *Journal*, November. Retrieved from <http://unllib.unl.edu/LPP/okiki-asiru.pdf>
- Oksman, V. (2006). Young people and seniors in Finnish "mobile information society". *Journal*, (2). Retrieved from <http://jime.open.ac.uk/2006/02>
- Olakulehin, F. K. (2007). Information and communication technologies in teacher training and professional development in Nigeria. *Journal*, 8(1), 133-142. Retrieved from <http://ahero.uwc.ac.za/index.php?module=cshe&action=downloadfile&fileid=81806115511864926584198>
- Olatokun, W. M., & Opesade, O. A. (2008). An e-readiness assessment of Nigeria's Premier University (Part 1*). *Journal*, 4(2). Retrieved from <http://ijedict.dec.uwi.edu/viewarticle.php?id=446&layout=html>
- Oldfield, S. (2003). *TeAchnology – appropriate learning technology*. Paper presented at the International Conference on Computer Systems and Technologies - CompSysTech'2003. Retrieved 30 July 2011, from <http://ecet.ecs.ru.acad.bg/cst/docs/proceedings/S4/IV-1.pdf>
- Oliver, M. (2000). An introduction to the evaluation of learning technology. *Educational Technology & Society*, 3(4), 20-30.
- Oliver, M., & Aczel, J. (2002). Theoretical models of the role of visualisation in learning formal reasoning. *Journal*, (3). Retrieved from <http://www-jime.open.ac.uk/2002/3>
- Oliver, R. (2000). *When teaching meets learning: design principles and strategies for web-based learning environments that support knowledge construction*. Paper presented at the ASCILITE conference. Retrieved 19 October 2011, from http://www.ascilite.org.au/conferences/coffs00/papers/ron_oliver_keynote.pdf
- Oliver, R., & Towers, S. (2000). *Benchmarking ICT literacy in tertiary learning settings*. Paper presented at the ASCILITE Conference. Retrieved 20 October 2011, from <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.17.8052&rep=rep1&type=pdf>
- Ololube, N. P., Ubogu, A. E., & Egbezor, D. E. (2007). ICT and distance education programs in a Sub-Saharan African country: a theoretical perspective. *Journal of Information Technology Impact*, 7(3), 181-194.
- Omwenga, E. I. (2006). Pedagogical issues and e-learning cases: integrating ICTs into teaching and learning process. Retrieved 12 February, 2009, from <http://iucea.org/downloads/5.%20Pedagogical%20Issues%20and%20e-Learning%20Cases.doc>
- Ong, C.-S., Lai, J.-Y., & Wang, Y.-S. (2004). Factors affecting engineers' acceptance of asynchronous e-learning systems in high-tech companies. *Information & Management*, 41(6), 795-804.

- Ornellas, A., Marín, A., Garreta, M., & Santanach, F. (2011). When video becomes social. *Journal*, 23(March). Retrieved from <http://www.elearningeuropa.info/files/media/media25164.pdf>
- Ortega Egea, J. M., & Román González, M. V. (2011). Explaining physicians' acceptance of EHCR systems: an extension of TAM with trust and risk factors. *Computers in Human Behavior*, 27(1), 319-332.
- Osakwe, N. R. (2010). The influence information and communication technology (ICT) on teacher education and professional development in Delta State, Nigeria. *Asian Journal of Information Technology*, 9(5), 280-285.
- Osborne, M., & Oberski, I. (2004). University continuing education: the role of communications and information technology. *Journal of European Industrial Training*, 28(5), 414-428.
- Ouahdi, J. (2008). A qualitative analysis of factors associated with user acceptance and rejection of a new workplace information system in the public sector: a conceptual model. *Canadian Journal of Administrative Sciences*, 25, 201-213.
- Owen, H. (2008). *Learners re-shaping learning landscapes: new directions for old challenges?* Paper presented at the Hello! Where are you in the landscape of educational technology? Proceedings ascilite Melbourne 2008, Melbourne.
- Özdemir, S. (2010). Supporting printed books with multimedia: a new way to use mobile technology for learning. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123429682/PDFSTART>. doi:10.1111/j.1467-8535.2010.01071.x
- Ozdemir, Z. D., & Abrevaya, J. (2007). Adoption of technology-mediated distance education: a longitudinal analysis. *Information & Management*, 44(5), 467-479.
- Özpolat, E., & Akar, G. B. (2009). Automatic detection of learning styles for an e-learning system. *Computers & Education*, 53(2), 355-367.
- Paas, L. (2008). How ICTs can support education for sustainable development: current uses and trends. Retrieved 19 July, 2010, from http://www.ictliteracy.info/rlf/pdf/ict_education_sd_trends.pdf
- Pachler, N., Daly, C., Mor, Y., & Mellar, H. (2010). Formative e-assessment: practitioner cases. [doi: DOI: 10.1016/j.compedu.2009.09.032]. *Computers & Education*, 54(3), 715-721.
- Padron, E. J. (2008). The "developing country" model of information technology. *EDUCAUSE Review*, September/October, 8-9.
- Paechter, M., Maier, B., & Macher, D. (2010). Students' expectations of, and experiences in e-learning: their relation to learning achievements and course satisfaction. *Computers & Education*, 54(1), 222-229.
- Pagram, P., & Pagram, J. (2006). Issues in e-learning: a Thai case study. *The Electronic Journal of Information Systems in Developing Countries*, 26(6), 1-8.
- Palmberg, C., & Bohlin, E. (2006). Next generation mobile telecommunications networks: challenges to the Nordic ICT industries. *info*, 8(4), 3-9.

- Palmer, A. (2009). *Enhancing learning and teaching through the use of technology: a revised approach to HEFCE's strategy for e-learning*: Higher Education Funding Council for England (HEFCE).
- Palmer, R. (2009). Skills development, employment and sustained growth in Ghana: sustainability challenges. *International Journal of Educational Development*, 29(2), 133-139.
- Pan, G., & Bonk, C. J. (2007). The emergence of open-source software in North America. *Journal*, 8(3). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/viewFile/496/950>
- Pan, N., Lau, H., & Lai, W. (2010). Sharing e-learning innovation across disciplines: an encounter between Engineering and Teacher Education. *Electronic Journal of e-Learning*, 8(1), 31-40.
- Panckhurst, R., David, S., & Whistlecroft, L. (Eds.). (2004). *Evaluation in e-learning: the European Academic Software Award*. Montpellier: Univesite Paul-Valery.
- Panda, S. (2008). *Handbook on in-house style for course development*. Vancouver: Commonwealth of Learning.
- Panke, S. (2011). An expert survey on the barriers and enablers of open educational practices. *Journal*, 23(March). Retrieved from <http://www.elearningeuropa.info/files/media/media25163.pdf>
- Papanastasiou, E. C. (2008). Evaluating the use of ICT in education: psychometric properties of the survey of factors affecting teachers teaching with technology. *Educational Technology & Society*, January.
- Papastergiou, M. (2010). Enhancing Physical Education and Sport Science students' self-efficacy and attitudes regarding information and communication technologies through a computer literacy course. *Computers & Education*, 54(1), 298-308.
- Paquette, D., & Ryan, J. (s.a.). Bronfenbrenner's ecological systems theory. Retrieved 18 August, 2010, from <http://pt3.nl.edu/paquetteryanwebquest.pdf>
- Paraskakis, I. (2005, 22-24 April). *Ambient learning: a new paradigm for e-learning*. Paper presented at the International Conference on Multimedia and ICT in Education, Lisbon.
- Park, C.-W., & Moon, B.-J. (2003). The relationship between product involvement and product knowledge: moderating roles of product type and product knowledge type. *Psychology & Marketing*, 20(11), 977-997.
- Park, S.-H., Sim, H.-A., & Roh, H.-L. (2010). The analysis of effectiveness on 'transfer' through e-learning courses in industry and technology. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123429681/PDFSTART>. doi:10.1111/j.1467-8535.2010.01070.x
- Park, Y. (2011). A pedagogical framework for mobile learning: categorizing educational applications of mobile technologies into four types. *International Review of Research in Open and Distance Learning*, 12(2), 78-102.

- Parker, A. (1996). *A distance education how-to manual: recommendations from the field*. Paper presented at the WebNet 96. Retrieved 20 December 2011, from <http://aace.virginia.edu/aace/conf/webnet/html/340.htm>
- Parker, A. (1999). Professional development: going online. *Journal*, Nov/Dec. Retrieved from http://www.technologysource.org/article/professional_development__goi...
- Parker, N. K. (2004). The Quality dilemma in Online education. In T. Anderson & F. Elloumi (Eds.), *Theory and Practice of Online Learning* (pp. 385-409). Athabasca: Athabasca University.
- Parkins, L. (2008). The English-speaking Caribbean: regional and global context. Retrieved 4 January, 2009, from www.cres2008.org/upload/documentosPublicos/tendencia/Tema06/Lorna%20Parkins.doc
- Parsons, G. (2010). Information provision for HE distance learners using mobile devices. *Electronic Library*, 28(2), 231-244.
- Passey, D. (2010). Mobile learning in school contexts: Can teachers alone make it happen? *Learning Technologies, IEEE Transactions on*, 3(1), 68-81.
- Patriarcheas, K., & Xenos, M. (2010, 13-15 June). *Educational techniques comparative study by using combined environment via computer and mobile devices in asynchronous discussion forum*. Paper presented at the Mobile Business and 2010 Ninth Global Mobility Roundtable (ICMB-GMR), 2010 Ninth International Conference.
- Patrinos, H. A., & Velez, E. (2009). Costs and benefits of bilingual education in Guatemala: a partial analysis. *International Journal of Educational Development*, 29(6), 594-598.
- Paulsen, M. F. (1998). *Online education: pedagogical, administrative, and technological opportunities and limitations*. Paper presented at the Congreso de la Red Iberoamericana de Informática Educativa (RIBIE) '98. Retrieved 10 November 2011, from <http://especializacion.una.edu.ve/iniciacion/paginas/Paulsen.pdf>
- Paulsen, M. F. (1998). The online teaching system. *Journal*, 8(7). Retrieved from http://www.ed.psu.edu/acsde/deos/deosnews/deosnews8_7.asp
- Paulsen, M. F. (2003). Experiences with learning management systems in 113 European Institutions. *Educational Technology & Society*, 6(4), 134-148.
- Pedersen, C. R., Dahl, M. S., & Dalum, B. (2006). The Danish ICT sector in an international perspective: a mismatch between demand and supply. *info*, 8(4), 85-99.
- Pedersen, J. E., & Marek, E. A. (2007). Technology integration: PDAs as an instructional and reflective tool in the science classroom. *Journal*, 7(1), 521-528. Retrieved from <http://www.citejournal.org/articles/v7i1science1.pdf>
- Pedersen, S., & Liu, M. (2003). Teachers' beliefs about issues in the implementation of a student-centred learning environment. *Educational Technology, Research and Development*, 51(2), 57-74.
- Peeraer, J., & Van Petegem, P. (2011). ICT in teacher education in an emerging developing country: Vietnam's baseline situation at the start of 'The Year of ICT'. *Computers & Education*, 56(4), 974-982.

- Peeraer, J., & Van Petegem, P. (2012). Measuring integration of information and communication technology in education: An item response modeling approach. *Computers & Education, 58*(1), 1247-1259.
- Peirce, C. S. (1966). *Collected papers of Charles Sanders Peirce*. Cambridge, MA: Belknap Press of Harvard University Press.
- Pelgrum, W. J. (2008). School practices and conditions for pedagogy and ICT. In N. Law, W. J. Pelgrum & T. Plomp (Eds.), *Pedagogy and ICT use in schools around the world: Findings from the IEA SITES 2006 study* (pp. 67-121). Hong Kong: Springer and the Comparative Education Research Centre, The University of Hong Kong.
- Peltola, J. (2006). *The place of politics in Manuel Castells's network society*. Paper presented at the Workshop: Political Participation: Action & Styles: Politics on the Internet: new forms and media for political action. Retrieved 23 July 2009, from <http://www.edemokratia.uta.fi/eng/haefile.php?f=115>
- Peltonen, T., & Lämsä, T. (2004). 'Communities of practice' and the social process of knowledge creation: towards a new vocabulary for making sense of organizational learning. *Problems and Perspectives in Management, 4*, 249-262.
- Pelz, B. (2010). (My) three principles of effective online pedagogy *Journal of Asynchronous Learning Networks, 14*(1), 103-116.
- Pena-Bandalaria, M. D. (2007). Impact of ICTs on open and distance learning in a developing country setting: the Philippine experience. *Journal, 8*(1). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/334/793>
- Peng, H., Su, Y.-J., Chou, C., & Tsai, C.-C. (2009). Ubiquitous knowledge construction: mobile learning re-defined and a conceptual framework. *Innovations in Education and Teaching International, 46*(2), 171-183.
- Perraton, H. (2003). *Models for open and distance learning 1: teacher education and training*. Cambridge: International Research Foundation for Open Learning, and The Commonwealth of Learning.
- Perraton, H. (2010). *Teacher education: the role of open and distance learning*. Vancouver: Commonwealth of Learning.
- Perry, A. (2011). Silicon Savanna: mobile phones transform Africa. *Journal, Thursday, Jun. 30, 2011*. Retrieved from <http://www.time.com/time/magazine/article/0,9171,2080702,00.html>
- Peslak, A. R. (2005). The Educational Productivity Paradox: Studying the effects of increased IT expenditures in educational institutions. *Communications of the ACM, 48*(10), 111-114.
- Peter, Y. (2009). *Pervasive and personal learning environments*. Paper presented at the Future Learning Landscapes: Towards the Convergence of Pervasive and Contextual computing, Global Social Media and Semantic Web in Technology Enhanced Learning - EC-TEL 09 Workshop. Retrieved 27 June 2011, from [http://www.telearn.org/warehouse/Peter-Yvan-2009_\(002233v1\).pdf](http://www.telearn.org/warehouse/Peter-Yvan-2009_(002233v1).pdf)

- Peters, B., & Robertson, J. F. (2007). Portfolio partnerships between faculty and WAC: lessons from disciplinary practice, reflection, and transformation. *College Composition and Communication*, 59(2), 206-236.
- Peters, K. (2007). M-Learning: positioning educators for a mobile, connected future. *International Review of Research in Open and Distance Learning*, 8(2), 1-17.
- Peterson, R., Herrington, J., Konza, D., Tzvetkova-Arsova, M., & Stefanov, K. (2008). Assisting Bulgarian special educators with competency development online. *Campus-Wide Information Systems*, 25(4), 197 - 208.
- Petrova, K. (2010). An implementation of an mLearning scenario using short text messaging: an analysis and evaluation. *International Journal of Mobile Learning and Organisation*, 4(1), 83-97.
- Pettinati, M. C., Cigognini, E., Mangione, J., & Guerin, E. (2007). Using social software for personal knowledge management in formal online learning. *Journal*, 8(3), 52-65. Retrieved from http://tojde.anadolu.edu.tr/tojde27/pdf/article_3.pdf
- Phaal, R., Farrukh, C. J. P., & Probert, D. R. (2004). Technology roadmapping--a planning framework for evolution and revolution. *Technological Forecasting and Social Change*, 71(1-2), 5-26.
- Phillips, D. C. (2006). Assessing the quality of design research proposals: Some philosophical perspectives. In J. Van den Akker, K. Gravemeijer, S. McKenney & N. Nieveen (Eds.), *Educational Design Research* (pp. 144-155). London: Routledge.
- Phipps, R., & Merisotid, J. (2000). *Quality on the line: benchmarks for success in Internet-based distance education*. Washington DC: Institute for Higher Education Policy.
- Picard, R. W. (2003). Affective computing: challenges. *International Journal of Human-Computer Studies*, 59(1-2), 55-64.
- Picciano, A. G. (2006). Blended learning: implications for growth and access. *Journal*, 10(3). Retrieved from http://www.sloan-c.org/publications/jaln/v10n3/pdf/v10n3_8picciano.pdf
- Picciano, A. G. (2006). Online learning: implications for higher education pedagogy and policy. *Journal of Thought*, 41(1), 75-120.
- Picciano, A. G. (2009). Blending with purpose: the multimodal model. *Journal of Asynchronous Learning Networks*, 13(1), 7-18.
- Picciano, A. G., Seaman, J., & Day, S. (2011). *Online learning in Illinois high schools: has the time come?* : Babson Survey Research Group.
- Piccoli, G., Brohman, M. K., Watson, R. T., & Parasuraman, A. (2009). Process completeness: strategies for aligning service systems with customers' service needs. *Business Horizons*, 52(4), 367—376.
- Pickard, M. J. (2007). The new Bloom's taxonomy: an overview for family and consumer sciences. *Journal of Family and Consumer Sciences Education*, 25(1), 45-55.

- Piecka, D., Studnicki, E., & Zuckerman-Parker, M. (2008). A proposal for ozone science podcasting in a middle science classroom. *Journal*, 16(2), 203-233. Retrieved from <http://www.editlib.org/f/24433>
- Pierce, R., Stacey, K., & Barkatsas, A. (2007). A scale for monitoring students' attitudes to learning mathematics with technology. *Computers & Education*, 48(2), 285-300.
- Pituch, K. A., & Lee, Y.-k. (2006). The influence of system characteristics on e-learning use. *Computers & Education*, 47(2), 222-244.
- Player-Koro, C. (2007). *Why teachers use ICT in education*. Paper presented at the 10th JURE Conference. Retrieved 14 November 2011,
- Plaza, M., Ngwenyama, O. K., & Rohlf, K. (2010). A comparative analysis of learning curves: implications for new technology implementation management. *European Journal of Operational Research*, 200(2), 518-528.
- Plomp, T. (2007). Educational Design Research: an Introduction. In T. Plomp & N. Nieveen (Eds.), *An Introduction to Educational Design Research* (pp. 9-36). Enschede: SLO •Netherlands institute for curriculum development.
- Plomp, T. (2011). *Preparing Education for the Information Society: Curricular and implementation challenges*. Paper presented at the 2011 International Symposium on Educational Reform: School Leadership: Exploring the Roles of Principals, Teachers, Students, and Parents in Implementing Next Generation Schools.
- Plomp, T., & Pelgrum, W. J. (1993). Restructuring of schools as a consequence of computer use? *International Journal of Educational Research*, 19(2), 185-195.
- Poffio, T., Rifkin, R., Kukherjee, S., & Niyogi, P. (2004). General conditions for predictivity in learning theory. *Nature*, 428(6981), 419-422.
- Polat, N. (2010). A comparative analysis of pre-and in-service teacher beliefs about readiness and self-competency: revisiting teacher education for ELLs. [doi: DOI: 10.1016/j.system.2010.03.004]. *System*, 38(2), 228-244.
- Pomales-Garcia, C., Lopez, A. D., & Liu, Y. (2010). Design dimensions and attributes for web-based distance learning modules. *American Journal of Distance Education*, 24(1), 21-39.
- Pontiggia, A., & Virili, F. (2010). Network effects in technology acceptance: laboratory experimental evidence. *International Journal of Information Management*, 30(1), 68-77.
- Pope, J. (2011, 19 December 2011). Not quite an MIT degree MITx may still appeal. *The Guardian*. Retrieved 5 January 2012, from <http://www.guardian.co.uk/world/feedarticle/10002044/print>
- Porter, C. E., & Donthu, N. (2006). Using the technology acceptance model to explain how attitudes determine Internet usage: the role of perceived access barriers and demographics. *Journal of Business Research*, 59(9), 999-1007.
- Posea, V., & Trausan-Matu, S. (2010, 5-7 July). *Bringing the social semantic web to the personal learning environment*. Paper presented at the 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), Sousse, Tunisia.

- Postle, G., & Tyler, M. A. (2010). Learning and teaching strategies and practices in teacher education through open and distance learning. In P. D. Danaher & A. Umar (Eds.), *Teacher education through open and distance learning* (pp. 61-74). Vancouver: Commonwealth of Learning.
- Potgieter, F. (s.a.). By divine intervention or by the sweat of our own brows? Reflections on the digital divide in South African teacher training. *Journal*, 1-8. Retrieved from http://www.puk.ac.za/opencms/export/PUK/html/fakulteite/opvoed/educ/artikels/researchinprogress/Potgieter_digitaldivdeinSATeacherTraining.pdf
- Pratt, J. H. (2002). *E-Biz: strategies for small business success* (No. SBAHQ-00-C-0004).
- Precel, K., Eshet-Alkalai, Y., & Alberton, Y. (2009). Pedagogical and design aspects of a blended learning course *Journal*, 10(2). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/download/618/1241>
- Prestridge, S. (2010). ICT professional development for teachers in online forums: analysing the role of discussion. *Teaching and Teacher Education*, 26(2), 252-258.
- Prestridge, S. (2012). The beliefs behind the teacher that influences their ICT practices. *Computers & Education*, 58(1), 449-458.
- Pretorius, E. J., & Currin, S. (2010). Do the rich get richer and the poor poorer? The effects of an intervention programme on reading in the home and school language in a high poverty multilingual context. *International Journal of Educational Development*, 30(1), 67-76.
- Prinsloo, J., & Janks, H. (2002). Critical literacy in South Africa: possibilities and constraints in 2002. *English Teaching: Practice and Critique*, 1(1), 20-038.
- Psacharopoulos, G. (2006). World Bank policy on education: a personal account. *International Journal of Educational Development*, 26(3), 329-338.
- Psychpage.com. (2010). Resources for students and professionals. Retrieved 8 December, 2011, from <http://www.psychpage.com/learning/library/assess/feelings.html>
- Puustinen, M., & Rouet, J.-F. (2009). Learning with new technologies: help seeking and information searching revisited. *Computers & Education*, 53(4), 1014-1019.
- Puzziferro, M., & Shelton, K. (2008). A model for developing high-quality online courses: integrating a systems approach with learning theory. *Journal of Asynchronous Learning Networks*, 12(3-4), 119-136.
- Pynoo, B., Devolder, P., Tondeur, J., Van Braak, J., Duyck, W., & Duyck, P. (2011). Predicting secondary school teachers' acceptance and use of a digital learning environment: a cross-sectional study. *Computers in Human Behavior*, 27(1), 568-575.
- Qi, M., & Boyle, T. (2010). Dimensions of culturally sensitive factors in the design and development of learning objects. *Journal*, (6). Retrieved from <http://jime.open.ac.uk/2010/06>
- Qiang, C. Z.-W. (2010). Broadband infrastructure investment in stimulus packages: relevance for developing countries. *info*, 12(2), 41-56.

- Qiuhui, X. (2009). *Design of Web-based teaching system for information retrieval*. Paper presented at the IT in Medicine & Education, 2009. ITIME '09. IEEE International Symposium on. Retrieved 7 December 2011, from <http://ieeexplore.ieee.org.nwulib.nwu.ac.za/stamp/stamp.jsp?tp=&arnumber=5236378>
- Quay, J. (2003). Experience and participation: relating theories of learning *The Journal of Experiential Education*, 26(2), 105-112.
- Quinsee, S., & Sumner, N. (2005). How to manage the big bang: evolution or revolution in the introduction of an MLE? *Aslib Proceedings: New Information Perspectives*, 57(2), 146-156.
- Rahimi, M., & Yadollahi, S. (2010). *ICT integration into English classes: investigating EFL teachers' personal characteristics and technology-related variables*. Paper presented at the Second International Conference on E-Learning and E-Teaching (ICELET), 2010.
- Rajeev, B., & Athola, O. T. (1990). Measuring the hedonic and utilitarian sources of consumer attitudes. *Marketing Letters*, 2(2), 159-170.
- Rama, K., & Hope, A. (Eds.). (2009). *Quality assurance toolkit for distance higher education institutions and programmes*. Vancouver: Commonwealth of Learning.
- Ramirez-Montoya, Maria Soledad , & Burgos-Aguilar, J. V. (2011). Towards a culture of openness in education in Latin America. *Journal*, (23). Retrieved from <http://www.elearningeuropa.info/files/media/media25256.pdf>
- Ramsuran, A., & Malcolm, C. (2006). Professionalisation as a social regularity: the policy process in South Africa's Natural Science curriculum. *South African Journal of Education*, 26(4), 515–528.
- Randolph, J. J. (2008). Factors Influencing Methods Choice in Educational Technology Research and Development. In B. Tamrakar (Ed.), *Modern Approaches to Digital Learning – DLL project's results* (pp. 21-50). Hamk: Julkaisija.
- Rao, A. S. (2007, 21 Sept. 2007). Technology acceptance model for complex technologies in a period of rapid catching-up *Working Paper Series* Retrieved 26 November, 2009, from <http://www.indianinnovatorsforum.org/technologyacceptancemodel.pdf>
- Rao, M. (2003). Checklist for national e-readiness. *International Trade Forum: the magazine of the International Trade Centre*, 3.
- Rao, P. (2011). E-learning in India: the role of national culture and strategic implications. *Multicultural Education & Technology Journal*, 5(2), 129-150.
- Rao, S. S. (2006). Distance education and the role of IT in India *The Electronic Library*, 24(2), 225-236.
- Rashid, A. T., & Elder, L. (2009). Mobile phones and development: an analysis of IDRC-supported projects. *The Electronic Journal of Information Systems in Developing Countries*, 36(2), 1-16.

- Rau, P.-L. P., Gao, Q., & Wu, L.-M. (2008). Using mobile communication technology in high school education: motivation, pressure, and learning performance. *Computers & Education, 50*(1), 1-22.
- Raven, P. V., Huang, X., & Kim, B. B. (2007). E-business in developing countries: a comparison of China and India. *International Journal of E-Business Research, 3*(1), 91-108.
- Ravenscroft, A., & Boyle, T. (2010). A dialogue and social software perspective on deep learning design. *Journal, (12)*. Retrieved from <http://jime.open.ac.uk/2010/12>
- Ravenscroft, A., & McAlister, S. (2006). Digital games and learning in Cyberspace: a dialogical approach. *E-Learning, 3*(1), 37.
- Ravjee, N. (2007). The politics of e-learning in South African higher education. *International Journal of Education and Development using Information and Communication Technology, 3*(4), 27-41.
- Rawitsch, D. G. (1982). Minnesota's statewide push for computer literacy *Instructional Innovator, 27*, 34-35.
- Rebbeck, G. (2006). E-maturity: now we are 10: Thanet College.
- Rebolj, D., & Menzel, K. (2004). Another step towards a virtual university in Construction IT. *ITcon, 9*(Special Issue), 257-266.
- Rebolledo-Mendez, G. (2003). *Motivational modelling in a Vygotskyan ITS*. Paper presented at the Artificial Intelligence in Education. Retrieved 19 July 2010, from <http://www.cogs.susx.ac.uk/users/gr20/AIED03YRT.pdf>
- Reddi, U. V., & Mishra, S. (Eds.). (2005). *Educational media in Asia* Vancouver: Commonwealth of Learning.
- Redecker, C., Ala-Mutka, K., Bacigalupo, M., Ferrari, A., & Punie, Y. (2009). *Learning 2.0: the impact of Web 2.0 innovations on education and training in Europe - final report*.
- Redmond, P., & Brown, K. (2004, 1-6 March). *Are we there yet? The journey of ICT integration*. Paper presented at the 15th International Conference of the Society for Information Technology & Teacher Education (SITE 2004), Atlanta.
- Reeves, T. (1998). *Evaluating what really matters in computer-based education*. Paper presented at the ED-MEDIA - World Conference on Educational Multimedia, Hypermedia & Telecommunications. Retrieved 12 July 2009, from <http://www.eduworks.com/Documents/Workshops/EdMedia1998/docs/reeves.html>
- Reeves, T. (2006). Design research from a technology perspective. In J. Van den Akker, K. Gravemeijer, S. McKenney & N. Nieveen (Eds.), *Educational Design Research* (pp. 86-109). London: Routledge.
- Reeves, T. C. (1994). Evaluating what really matters in computer-based education. In M. Wild & D. Kirkpatrick (Eds.), *Computer education: new perspectives* (pp. 219-246). Perth: Mastec.
- Reeves, T. C., Benson, L., Elliott, D., Grant, M., Hoschuh, D., Kim, N., et al. (2002). *Usability and instructional design heuristics for e-learning evaluation*. Paper presented at the

ED-MEDIA - World Conference on Educational Multimedia, Hypermedia & Telemcommunications. Retrieved 14 June 2009, from http://www.eric.ed.gov/ERICDocs/data/ericdocs2sql/content_storage_01/0000019b/80/1b/19/c8.pdf

- Reid, I. C. (1999). Beyond models: developing a university strategy for online instruction. *Journal of Asynchronous Learning Networks*, 3(1), 19-31.
- Reid, M. F., Riemenschneider, C. K., Allen, M. W., & Armstrong, D. J. (2008). Information technology employees in state government : a study of affective organizational commitment, job involvement, and job satisfaction. *The American Review of Public Administration*, 38(1), 41-61.
- Reinen, I. J., & Plomp, T. (1993). Staff development as a condition for computer integration. *Studies in Educational Evaluation*, 19, 149-166.
- Reins, K. (2007). Digital tablet PCs as new technologies of writing and learning: a survey of perceptions of digital ink technology. *Journal*, 7(3), 158-177. Retrieved from <http://www.citejournal.org/articles/v7i3mathematics1.pdf>
- Reiser, R. A. (2001). A history of instructional design and technology: part I: a history of instructional media. *Educational Technology Research and Development*, 49(1), 53-64.
- Reitsma, G. M. (2006). *'n Model vir die kortkursus-indiensopleiding van onderwysers vir die leerarea tegnologie*. NoordWes Universiteit, Potchefstroom.
- Rekkedal, T., & Dye, A. (2007). Mobile distance learning with PDAs: development and testing of pedagogical and system solutions supporting mobile distance learners. *International Review of Research in Open and Distance Learning*, 8(2), 1-21.
- Remmele, B. (2011). Degrees for open learning? *Journal*. Retrieved from <http://www.elearningeuropa.info/files/media/media25523.pdf>
- Repenning, A., Ioannidou, A., & Ambach, J. (1998). Learn to communicate and communicate to learn. *Journal*, (7),
- Rhee, H.-S., & Riggins, F. J. (2008). Development of a multi-factor set of country-level ICT human resource capacity indicators. Retrieved 2 February, 2009, from http://www.unapcict.org/ecohub/resources/development-of-a-multi-factor-set-of-country-level/at_download/attachment1
- Ribeiro, M. J., Moreira, A., & Almeida, A. M. P. (2009). Preparing special education frontline professionals for a new teaching experience. *Journal*, 16(Sept.), 1-10. Retrieved from www.elearningpapers.eu
- Richards, C. (2005). The design of effective ICT-supported learning activities: exemplary models, changing requirements, and new possibilities. *Language Learning & Technology*, 9(1), 60-79.
- Richter, T., & Ehlers, U.-D. (2011). Barriers and motivators for using OER in schools. *Journal*, (23). Retrieved from <http://www.elearningeuropa.info/files/media/media25178.pdf>

- Rickard, J. T., Aisbett, J., & Gibbon, G. (2007). Reformulation of the theory of conceptual spaces. [doi: DOI: 10.1016/j.ins.2007.05.023]. *Information Sciences*, 177(21), 4539-4565.
- Riel, M., & Becker, H. J. (2008). Characteristics of Teacher Leaders for Information and Communication Technology. In J. Voogt & D. G. Knezek (Eds.), *International Handbook of Information Technology in Primary and Secondary Education* (Vol. 1, pp. 397-414). New York: Springer.
- Rinn, U., Bett, K., Wedekind, J., Zentel, P., Meister, D. M., & Hesse, F. W. (2003). Virtual Education at German Institutions of Higher Learning in Alliance, Part 1, pp. 37). Available from http://www.uni-paderborn.de/fileadmin/mw/Meister/Virtuelle_HSLehre_Teil1_eng.pdf
- Rist, R., & Hewer, S. (1996). What is learning technology? Some definitions. In G. Stoner (Ed.), *Implementing Learning Technology* (pp. 3-5): Learning Technology Dissemination Initiative
- Ritter, S., Anderson, J., Cytrynowicz, M., & Medvedeva, O. (1998). Authoring content in the PAT algebra tutor. *Journal*, (9). Retrieved from <http://www-jime.open.ac.uk/98/9>
- Riverin, S., & Stacey, E. (2007). The evolution of an online community - a case study. *Research and Practice in Technology Enhanced Learning*, 2(3), 267–297.
- Roberts, P. (1995). Defining literacy: paradise, nightmare or red herring? *British Journal of Educational Studies*, 43(4), 412-432.
- Robertson, I. (2007). Factors influencing vocational teacher's use of online functionalities in Australia. *Australasian Journal of Educational Technology*, 23(3), 317-389.
- Robinson, B. (2008). Using distance education and ICT to improve access, equity and the quality in rural teachers' professional development in western China. *Journal*, 9(1). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/486/1013>
- Robotham, D. (2004). Developing the competent learner. *Industrial and Commercial Training*, 36(2/3), 66-72.
- Rodrigo, M. T. (2005). Quantifying the divide: a comparison of ICT usage of schools in Metro Manila and IEA-surveyed countries. *International Journal of Educational Development*, 25(1), 53-68.
- Roffey, S., & Futuristic Ltd. (2007). *Creating learning materials for open and distance learning: introducing the Commonwealth of Learning instructional design template for Microsoft Word 2007*. Vancouver: Commonwealth of Learning.
- Rogers, A. (2006). DFID experience of adult literacy. *International Journal of Educational Development*, 26(3), 339-346.
- Rogers, A. (2006). Lifelong learning and the absence of gender. *International Journal of Educational Development*, 26(2), 189-208.
- Rogers, P. C., Chan, P., & Isom, B. (2007). Web 2.0 learning platform: harnessing collective intelligence. *Journal*, 8(3), 16-33. Retrieved from http://tojde.anadolu.edu.tr/tojde27/pdf/article_1.pdf

- Rolfe, V. (2011). Can Turnitin be used to provide instant formative feedback? [Article]. *British Journal of Educational Technology*, 42(4), 701-710.
- Rollett, H., Lux, M., Strohmaier, M., Dosinger, G., & Tochtermann, K. (2007). The Web 2.0 way of learning with technologies. *International Journal of Learning Technology*, 3(1), 87-107.
- Romero, E., Watner, C., Zhuhadar, L., & Wyatt, R. (2009, 1-7 February). *Web-based technology use and computer self-efficacy as predictors of faculty perceptions of support for the implementation of eLearning*. Paper presented at the International Conference on Mobile, Hybrid, and On-line Learning, Cancun.
- Roschelle, J., Kaput, J., Stroup, W., & Kahn, T. M. (1998). Scaleable integration of educational software: exploring the promise of component architectures. *Journal*, 6. Retrieved from <http://www-jime.open.ac.uk/98/6>
- Roschelle, J., Sharples, M., & Chan, T. W. (2005). Introduction to the special issue on wireless and mobile technologies in education. [Editorial]. *Journal of Computer Assisted Learning*, 21, 159-161.
- Rose, E. (2010). The phenomenology of on-screen reading: university students' lived experience of digitised text. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123271709/PDFSTART>. doi:10.1111/j.1467-8535.2009.01043.x
- Rosenberg, M. J. (2000). The e-learning readiness survey. Version 1.0. Retrieved 17 February, 2009, from http://books.mcgraw-hill.com/training/elearning/elearning_survey.pdf
- Rosenberg, M. J. (2006). Beyond e-learning: approaches and technologies to enhance organizational knowledge, learning, and performance, Available from <http://d.scribd.com/docs/27252ft54dqcj417xodv.pdf>
- Rouet, J.-F., & Puustinen, M. (2009). Introduction to "Learning with ICT: new perspectives on help seeking and information searching". *Computers & Education*, 53(4), 1011-1013.
- Rouet, J.-F., & Puustinen, M. (2009). Learning with new technologies: help seeking and information searching revisited. *Computers & Education*, 53(4), 1014-1019.
- Rourke, L., & Anderson, T. (2002). Using peer teams to lead online discussions. *Journal*, (1). Retrieved from <http://www-jime.open.ac.uk/2002/1>
- Rourke, L., Anderson, T., Garrison, D. R., & Archer, W. (1999). Assessing social presence in asynchronous text-based computer conferencing. *Journal*, 14(2), 50-71. Retrieved from http://cade.athabascau.ca/vol14.2/rourke_et_al.html
- Rousseva, R. (2008). Identifying technological capabilities with different degrees of coherence: the challenge to achieve high technological sophistication in latecomer software companies (based on the Bulgarian case). *Technological Forecasting & Social Change*, 75(7), 1007-1031.
- Rovai, A. A. P. (2002). A preliminary look at the structural differences of higher education classroom communities in traditional and ALN courses. *Journal of Asynchronous Learning Networks*, 6(1), 41-56.

- Rovai, A. P. (2001). Building classroom community at a distance: a case study. *Educational Technology, Research and Development*, 49(4), 33.
- Rovai, A. P. (2003). In search of higher persistence rates in distance education online programs. *The Internet and Higher Education*, 6(1), 1-16.
- Rovai, A. P., & Downey, J. R. (2010). Why some distance education programs fail while others succeed in a global environment. *The Internet and Higher Education*, 13(3), 141-147.
- Rovai, A. P., & Ponton, M. K. (2005). An examination of sense of classroom community and learning among African American and Caucasian graduate students. *Journal of Asynchronous Learning Networks*, 9(3), 75-90.
- Rowe, R. (2011). How Open Educational Resources can increase opportunities for everyone. Retrieved 5 January, 2012, from <https://edutechdebate.org/oer-and-digital-divide/how-open-educational-resources-can-increase-opportunities-for-everyone/>
- Rozell, E. J., & Gardner, W. L. (2000). Cognitive, motivation, and affective processes associated with computer-related performance: a path analysis. *Computers in Human Behavior*, 16(2), 199-222.
- Rozwell, C. (2008, 24 October 2008). Are you providing the on-the-job learning that people really want? Retrieved 30 October, 2008, from http://www.gartner.com/DisplayDocument?ref=g_search&id=785812&subref=simplesearch
- Rozwell, C. (2008). IT budget optimization advisory: use e-learning to reduce training travel costs. Retrieved 30 October, 2008, from http://www.gartner.com/resources/155500/155536/it_budget_optimization_advis_155536.pdf
- Rozwell, C. (2008). Key issues for creating a networked learning environment, 2008. Retrieved 30 October, 2008, from http://www.gartner.com/DisplayDocument?ref=g_search&id=633011&subref=simplesearch
- Ruddeck, G., & Martens, A. (2010, 5-7 July). *Communication patterns in component-based intelligent tutoring systems*. Paper presented at the 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), Sousse, Tunisia.
- Ruey, S. (2009). A case study of constructivist instructional strategies for adult online learning. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/122425204/PDFSTART>. doi:10.1111/j.1467-8535.2009.00965.x
- Ruikar, K., Anumba, C. J., & Carrillo, P. M. (2006). VERDICT--An e-readiness assessment application for construction companies. *Automation in Construction*, 15(1), 98-110.
- Rust, B. (2010). A centralized IT organization model for K-12 education. Retrieved 18 August, 2010
- Ruth, S. R., Sammons, M., & Poulin, L. (2007). E-learning at a crossroads - at what price quality? *EDUCAUSE Review*, 30(2), 32-39.

- Saadé, R. G., & Kira, D. (2006). The emotional state of technology acceptance. *Issues in Informing Science and Information Technology*, 3, 529-539.
- Saadé, R. G., & Kira, D. (2007). Mediating the impact of technology usage on perceived ease of use by anxiety. *Computers & Education*, 49(4), 1189-1204.
- Saadé, R. G., & Kira, D. (2009). The emotional in e-learning. *Journal of Asynchronous Learning Networks*, 13(4), 57-72.
- Sachs, J. D. (s.a.). *Readiness for the networked world: a guide for developing countries*: Harvard University: Center for International Development.
- Şad, S. N. (2012). An attitude scale for smart board use in education: Validity and reliability studies. *Computers & Education*, 58(3), 900-907.
- Sadik, A. (2006). Factors influencing teachers' attitudes toward personal use and school use of computers: new evidence from a developing nation. *Evaluation Review*, 30(1), 86-113.
- SAIDE. (2002). *Distance education and open learning in Sub-Saharan Africa: a literature survey on policy and practice*: Commonwealth of Learning.
- SAIDE. (2004). *Costing distance education and open learning in Sub-Saharan Africa: working group on distance education and open learning a survey of policy and practice*. Vancouver: Commonwealth of Learning.
- SAIDE. (2004). *Distance education and open learning in Sub-Saharan Africa: criteria and conditions for quality and critical success factor: working group on distance education and open learning a survey of policy and practice*: Commonwealth of Learning.
- SAIDE. (2008). *COL Quality assurance workshop report*. Vancouver: Commonwealth of Learning.
- Salajan, F. D. (2008). The rise of the information society amongst European academics. *European Journal of Education*, 43(4), 457-475.
- Salajan, F. D. (2010). Fostering the European dimension in the eLearning programme consortia: catalysts for the emergence of a European e-Learning area:. Retrieved 24 July, 2010, from <http://www.elearningeuropa.info/files/media/media22167.pdf>
- Saldãna, J. (2009). *The coding manual for qualitative researchers*. London: Sage.
- Sales, G., Al-Barwani, T., & Miske, S. (2008). Prospects and challenges of an online teacher training project in Oman. *Journal*, 4(1). Retrieved from <http://ijedict.dec.uwi.edu/viewarticle.php?id=408&layout=html>
- Salinas, A., & Sánchez, J. (2009). Digital inclusion in Chile: Internet in rural schools. *International Journal of Educational Development*, 29(6), 573-582.
- Salmon, G. (2005). Flying not flapping: a strategic framework for e-learning and pedagogical innovation in higher education institutions. *ALT-J*, 13(3), 201 — 218.
- Sam, H. K., Othman, A. E. A., & Nordin, Z. S. (2005). Computer self-efficacy, computer anxiety, and attitudes toward the Internet: a study among undergraduates in Unimas. *Educational Technology & Society*, 8(4), 205-219.

- Sampson, D. G., Lytras, M. D., Wagner, G., & Diaz, P. (2005). Ontologies and the semantic web for e-learning. *Journal*, 7(4), 26-28. Retrieved from http://www.ifets.info/journals/7_4/5.pdf
- San Diego, J., & McAndrew, P. (2009). The feasibility of capturing learner interactions based on logs informed by eye-tracking and remote observation studies. *Journal*, (4). Retrieved from <http://jime.open.ac.uk/2009/04>
- Sánchez, J., Salinas, A., Contreras, D., & Meyer, E. (2010). Does the new digital generation of learners exist? A qualitative study. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123340848/PDFSTART>. doi:10.1111/j.1467-8535.2010.01069.x
- Sanchez-Franco, M. J. (2010). WebCT - The quasimoderating effect of perceived affective quality on an extending Technology Acceptance Model. *Computers & Education*, 54(1), 37-46.
- Sánchez-Franco, M. J., Martínez-López, F. J., & Martín-Velicia, F. A. (2009). Exploring the impact of individualism and uncertainty avoidance in Web-based electronic learning: an empirical analysis in European higher education. *Computers & Education*, 52(3), 588-598.
- Sang, G., Valcke, M., Van Braak, J., & Tondeur, J. (2010). Student teachers' thinking processes and ICT integration: predictors of prospective teaching behaviors with educational technology. *Computers & Education*, 54(1), 103-112.
- Sankey, M. D. (2006). A neomillennial learning approach: helping nontraditional learners studying at a distance. *International Journal of Education and Development using Information and Communication Technology*, 2(4), 82-99.
- Santovec, M. L. (2004). Doing online professional development - online. *Distance Education Report*, Sept 15, 2004, 4-7.
- Saracaloglu, A. S., Serin, O., Serin, N. B., & Serin, U. (2010). Analysing attitudes of candidate teachers towards computer in terms of various factors. *Procedia - Social and Behavioral Sciences*, 2(2), 3494-3499.
- Sayo, P., Chacko, J. G., & Pradhan, G. (2004). *ICT policies and e-strategies in the Asia-Pacific: a critical assessment of the way forward*. New Delhi: United Nations Development Programme-Asia Pacific Development.
- Scanlon, E. (2010). Technology enhanced learning in science: interactions, affordances and design based research. *Journal*, (8). Retrieved from <http://jime.open.ac.uk/2010/08>
- Scanlon, E., & Issroff, K. (2005). Activity Theory and higher education: evaluating learning technologies. *Journal of Computer Assisted Learning*, 21(6), 430-439.
- Scarafiotti, C. (2003). A three-prong strategic approach to successful distance learning delivery. *Journal of Asynchronous Learning Networks*, 7(2), 50-55.
- Scarlat, R., Stanescu, L., Popescu, E., & Burdesco, D. D. (2010, 5-7 July). *Case-based medical e-assessment system*. Paper presented at the 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), Sousse, Tunisia.

- Schacter, J. (1999). *The impact of education technology on student achievement: what the most current research has to say.*
- Schacter, J. (1999). The impact of education technology on student achievement: what the most current research has to say. Retrieved 20 September, 2012, from <http://www.mff.org/pubs/ME161.pdf>
- Schaffert, S., Bischof, D., Bürger, T., Gruber, A., Hilzensauer, W., & Schaffert, S. (2006). *Learning with semantic wikis*. Paper presented at the First workshop "SemiWiki2006": 3rd Annual European Semantic Web Conference (ESWC). Retrieved 31 December 2011,
- Schaffert, S., & Hilzensauer, W. (2008). On the way towards personal learning environments: seven crucial aspects. *Journal*, 9. Retrieved from www.elearningpapers.eu
- Scheuermann, F., & Björnsson, J. (2009). *The transition to computer-based assessment: new approaches to skills assessment and implications for large-scale testing* (No. JRC49408). Luxembourg: European Commission: Joint Research Centre: Institute for the Protection and Security of the Citizen.
- Schiaffino, S., Garcia, P., & Amandi, A. (2008). eTeacher: providing personalized assistance to e-learning students. *Computers & Education*, 51(4), 1744-1754.
- Schmidt-Weigand, F., Kohnert, A., & Glowalla, U. (2010). A closer look at split visual attention in system- and self-paced instruction in multimedia learning. *Learning and Instruction*, 20(2), 100-110.
- Schmitz, C. D., Baber, S. J., John, D. M., & Brown, K. S. (2000). Creating the 21st-Century School of Education: collaboration, community, and partnership in St. Louis. *Peabody Journal of Education*, 75(3), 64-84.
- Schneckenberg, D. (2006). eCompetence in European Higher Education – ICT Policy Goals, Change Processes and Research perspectives. In I. M. Labhainn, C. M. Legg, D. Schneckenberg & J. Wildt (Eds.), *The Challenge of eCompetence in Academic Staff Development* (pp. 201-210). Galway: NUI Galway.
- Schneckenberg, D. (2007). *eCompetence Development Measures for Faculty in Higher Education - A Comparative International Investigation*. Universität Duisburg-Essen, Standort Essen.
- Schneckenberg, D. (2009). Understanding the real barriers to technology-enhanced innovation in higher education. *Educational Research*, 51(4), 411–424.
- Schneckenberg, D. (2010). Overcoming barriers for eLearning in universities—portfolio models for eCompetence development of faculty. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123271711/PDFSTART>. doi:10.1111/j.1467-8535.2009.01046.x
- Schneckenberg, D., Ehlers, U., & Adelsberger, H. (2011). Web 2.0 and competence-oriented design of learning—potentials and implications for higher education. *British Journal of Educational Technology Vol 42 No 5 2011*, 42(5), 747-762.
- Schneckenberg, D., & Wildt, J. (2006). Understanding the Concept of eCompetence for Academic Staff. In I. M. Labhainn, C. M. Legg, D. Schneckenberg & J. Wildt (Eds.),

The Challenge of eCompetence in Academic Staff Development (pp. 29-35). Galway: NUI Galway.

- Schoepp, K. (2005). Barriers to technology integration in a technology-rich environment. *Journal*, 2, 1-24. Retrieved from http://www.zu.ac.ae/lthe/vol2no1/lthe02_05.pdf
- Schottenbauer, M. A., Rodriguez, B. F., Glass, C. R., & Arnkoff, D. B. (2004). Computers, anxiety, and gender: an analysis of reactions to the Y2K computer problem. *Computers in Human Behavior*, 20(1), 67-83.
- Schrader, P. G. (2008). Learning in technology: reconceptualizing immersive environments. *Journal*, 16(4), 457-475. Retrieved from <http://www.editlib.org/f/24450>
- Schreurs, J., Ehler, U., & Moreau, R. (2008). *Measuring e-learning readiness*. Paper presented at the The future of learning-globalizing in education.
- Schroeder, B. (2009). Within the Wiki: best practices for educators. *Journal*, 17(3), 181-197. Retrieved from <http://www.editlib.org/f/28183>
- Schrum, L., Burbank, M. D., Engle, J., Chambers, J. A., & Glassett, K. F. (2005). Post-secondary educators' professional development: Investigation of an online approach to enhancing teaching and learning. *The Internet and Higher Education*, 8(4), 279-289.
- Schuck, S., & Kearney, M. (2008). Classroom-based use of two educational technologies: a sociocultural perspective. *Journal*, 8(4), 394-406. Retrieved from <http://www.citejournal.org/articles/v8i4currentpractice2.pdf>
- Schultz, M., & Hatch, M. J. (1996). Living with multiple paradigms: the case of paradigm interplay in organizational culture studies. *The Academy of Management Review*, 21(2), 529-557.
- Schwabe, G., & Göth, C. (2005). Mobile learning with a mobile game: design and motivational effects. [Article]. *Journal of Computer Assisted Learning*, 21(3), 204-216.
- Schwabe, R., & Deane, A. (2003). Deploying e-government programs: the strategic importance of "I" before "E". *info*, 5(4), 10-19.
- Schwartz, B. (2004). The tyranny of choice. *Scientific American*, April 2007, 70-75.
- Schwartz, B. (2006). The paradox of choice - why more is less. On *Google TechTalks* [Video]: Google.
- Schwartz, B., & NetLibrary Inc. (2007). The paradox of choice why more is less. Retrieved 1 January, 2009, from <http://www.worldcat.org/oclc/173648295>
- Schwarz, J. O. (2006). German Delphi on corporate foresight. *Journal*, 78, 1-4. Retrieved from http://www.foresight-network.eu/index.php?option=com_docman&task=doc_view&gid=78
- Schwier, R. A. (2010). Focusing educational technology research on informal learning environments. *Contemporary Educational Technology*, 1(1), 90-92.
- Schwier, R. A., & Dykes, M. E. (2007). The continuing struggle for community and content in blended technology courses in higher education. In M. Bullen, M. Janes & D. Janes

(Eds.), *Making the transition to e-learning: Issues and strategies* (pp. 1-26). Hershey, PA: Idea Group.

- Sciadas, G. (2005). From the digital divide to digital opportunities: measuring Infostates for development, pp. 252). Available from <http://www.orbicom.uqam.ca>
- Sclater, N. (2008). Large-scale open source e-learning systems at the Open University UK. *Journal*, (12). Retrieved from <http://www.educause.edu/ecar>
- Sclater, N. (2008). Web 2.0, personal learning environments, and the future of learning management systems. *Journal*, (13), 1-13. Retrieved from <http://www.educause.edu/ecar>
- Scott, N., Batchelor, S., Ridley, J., & Jorgensen, B. (2004). *The impact of mobile phones in Africa*: Commission for Africa.
- Scott, S. D., Gilmour, J., & Fielden, J. (2008). Nursing students and internet health information. [doi: DOI: 10.1016/j.nedt.2008.06.002]. *Nurse Education Today*, 28(8), 993-1001.
- Scott, S. G., & Bruce, R. A. (1994). Determinants of innovative behavior: a path model of individual innovation in the workplace. *The Academy of Management Journal*, 37(3), 580-607.
- Seale, J. (2006). A contextualised model of accessible e-learning practice in higher education institutions. *Australasian Journal of Educational Technology*, 22(2), 268-288.
- Seale, J., & Cooper, M. (2010). E-learning and accessibility: an exploration of the potential role of generic pedagogical tools. [doi: DOI: 10.1016/j.compedu.2009.10.017]. *Computers & Education*, 54(4), 1107-1116.
- Sedoyeka, E., & Hunaiti, Z. (2008). WiMAX in Tanzania: a breakthrough for underserved areas. *info*, 10(2), 34-46.
- Seels, B., Campbell, S., & Talsma, V. (2003). Supporting excellence in technology through communities of learners. *Educational Technology, Research and Development*, 51(1), 91.
- Seet, A. M., & Zualkernan, I. A. (2010, 5-7 July). *An adaptive method for selecting question pools using C4.5*. Paper presented at the 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), Sousse, Tunisia.
- Seibel, C. (2008). An examination of teaching and learning online. *Running head: Teaching and Learning Online* Retrieved 28 October, 2009, from <http://www.scribd.com/doc/12702706/An-Examination-of-Teaching-and-Learning-Online>
- Selim, H. M. (2007). Critical success factors for e-learning acceptance: confirmatory factor models. *Computers & Education*, 49(2), 396-413.
- Selwyn, N. (1997). Students' attitudes toward computers: validation of a computer attitude scale for 16–19 education. *Computers & Education*, 28(1), 35-41.

- Semenov, A. (2005). Information and communication technologies in schools: a handbook for teachers. In M. Patru & J. Anderson (Eds.), *How ICT can create new, open learning environments*. Available from <http://unesdoc.unesco.org/images/0013/001390/139028e.pdf>
- Şendağ, S., & Ferhan Odabaşı, H. (2009). Effects of an online problem based learning course on content knowledge acquisition and critical thinking skills. *Computers & Education, 53*(1), 132-141.
- Seppälä, P., & Alamäki, H. (2003). Mobile learning in teacher training. *Journal of Computer Assisted Learning, 19*, 330-335.
- Sethuraman, R., & Parasuraman, A. (2005). Succeeding in the Big Middle through technology. *Journal of Retailing, 81*(2), 107-111.
- Settouti, L., Guin, N., Mille, A., & Luengo, V. (2010, 5-7 July). *A trace-based learner modelling framework for technology-enhanced learning systems*. Paper presented at the 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), Sousse, Tunisia.
- Shafer, K. G. (2008). Learning to teach with technology through an apprenticeship model. *Journal, 8*(1), 27-44. Retrieved from <http://www.citejournal.org/articles/v8i1mathematics1.pdf>
- Shanks, D. R., Lachnit, H., & Melchers, K. G. (2008). Representational flexibility and the challenge to elemental theories of learning: response to commentaries. [doi: DOI: 10.1016/j.beproc.2007.09.005]. *Behavioural Processes, 77*(3), 451-453.
- Sharples, M. (2000). The design of personal mobile technologies for lifelong learning. [doi: DOI: 10.1016/S0360-1315(99)00044-5]. *Computers & Education, 34*(3-4), 177-193.
- Sharples, P., Griffiths, D., & Tattersal, C. (2009, 2-4 November). *Integrating IMS learning design and ADL SCORM using CopperCore Service Integration*. Paper presented at the Service Oriented Approaches and Lifelong Competence Development Infrastructures: Proceedings of the 2nd TENCompetence Open Workshop, Manchester.
- Sharratt, M., & Usoro, A. (2003). Understanding knowledge-sharing in online communities of practice. *Journal, 1*(2), 187-196. Retrieved from www.ejkm.com/issue/download.html?idArticle=32
- Shaw, R.-S. (2010). A study of learning performance of e-learning materials design with knowledge maps. *Computers & Education, 54*(1), 253-264.
- Shea, P. (2007). Bridges and barriers to teaching online college courses: a study of experienced online faculty in thirty-six colleges. *Journal of Asynchronous Learning Networks, 11*(2), 73-128.
- Shea, P., & Bidjerano, T. (2009). Community of inquiry as a theoretical framework to foster "epistemic engagement" and "cognitive presence" in online education. *Computers & Education, 52*(3), 543-553.
- Shea, P. J., Fredericksen, E. E., Pickett, A. M., & Pelz, W. E. (2003). A preliminary investigation of "Teaching Presence" in the SUNY learning network. Retrieved 31 December, 2011, from www.suny.edu/sunytrainingcenter/files/TeachingPresence.pdf

- Shea, P. J., Pickett, A. M., & Pelz, W. E. (2003). A follow-up investigation of "teaching presence" in the SUNY learning network. *Journal of Asynchronous Learning Networks*, 7(2), 61-80.
- Shi, M., & Bichelmeyer, B. A. (2007). Teachers' experiences with computers: a comparative study. *Educational Technology & Society*, 10(2), 180-190.
- Shih, H.-P. (2008). Using a cognition-motivation-control view to assess the adoption intention for Web-based learning. [doi: DOI: 10.1016/j.compedu.2006.06.001]. *Computers & Education*, 50(1), 327-337.
- Shih, J.-L., Chu, H.-C., Hwang, G.-J., & Kinshuk (2010). An investigation of attitudes of students and teachers about participating in a context-aware ubiquitous learning activity. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123238095/PDFSTART>. doi:10.1111/j.1467-8535.2009.01020.x
- Shin, D.-H., Shin, Y.-J., Choo, H., & Beom, K. (2011). Smartphones as smart pedagogical tools: implications for smartphones as u-learning devices. *Computers in Human Behavior*, 27(6), 2207-2214.
- Shoffner, M. (2009). The place of the personal: exploring the affective domain through reflection in teacher preparation. *Teaching and Teacher Education*, 25(6), 783-789.
- Shor, I. (1999). What is critical literacy? *Journal*. Retrieved from http://newhavenleon.org/yahoo_site_admin/assets/docs/OutreachWhat_is_critical_literacy_-_shor.13071914.pdf
- Shulman, L. S. (1986). Those who understand: knowledge growth in teaching. *Educational Researcher*, 15(2), 4-14.
- Shulman, L. S. (1995). From idea to prototype: three exercises in the peer review of teaching. In P. Hutchings (Ed.), *Teaching as community property: essays on higher education* (pp. 176-183). San Francisco: Jossey-Bass.
- Shulman, L. S. (1999). Visions of the possible: models for campus support of the scholarship of teaching and learning. Retrieved 25 July, 2010, from <http://www.carnegiefoundation.org/elibrary/visions-possible-models-campus-support-scholarship-teaching-and-learning#article>
- Shulman, L. S. (2002). Making differences: a table of learning. Retrieved 25 July, 2010, from [http://blog.vcu.edu/cte/TableOfLearning\(Shulman\).pdf](http://blog.vcu.edu/cte/TableOfLearning(Shulman).pdf)
- <http://www.carnegiefoundation.org/elibrary/making-differences-table-learning>
- Shulman, L. S. (2005). If not now, when? The timeliness of scholarship of the education of engineers. *Journal of Engineering Education*, 94(1), 11-12.
- Shunevych, B. (2002). Ukraine Open University: its prospects in distance education development. *International Review of Research in Open and Distance Learning*, 2(2), 1-14.
- Shute, V., & Towle, B. (2003). Adaptive e-learning. *Educational Psychologist*, 38(2), 105-114.

- Sieber, V., Haynes, R., Dobson, C., Holley, D., & Andrew, D. (2004). Using interactive elements between disciplines. *Journal*, (16). Retrieved from <http://www-jime.open.ac.uk/2004/16>
- Siemens, G. (2006). Knowing knowledge, Available from http://www.elearnspace.org/KnowingKnowledge_LowRes.pdf
- Siemens, G., & Tittenberger, P. (2009). *Handbook of emerging technologies for learning*. Winnipeg: University of Manitoba.
- Sife, A. S., Lwoga, E. T., & Sanga, C. (2007). New technologies for teaching and learning: challenges for higher learning institutions in developing countries. *International Journal of Education and Development using Information and Communication Technology*, 3(2), 57-67.
- Silva, B. (2011, 30 July, 2011). Over 1700 unqualified teachers in South Africa. *West Cape News*. Retrieved 27 Jul. 2011, from <http://westcapenews.com/?p=1431>
- Sim, J. B.-Y., & Print, M. (2009). The State, teachers and citizenship education in Singapore schools. *British Journal of Educational Studies*, 57(4), 380-399.
- Simbar, R. (2008, 19-21 November). *Moving beyond national borders: globalization, higher education, and international politics*. Paper presented at the EDU-COM 2008 International Conference: Sustainability in Higher Education: Directions for Change, Edith Cowan University, Perth.
- Simons, P. R.-J. (2003). ICT in het onderwijs naar de derde fase? Retrieved 19 July, 2010, from <http://igitur-archive.library.uu.nl/ivlos/2005-0622-185423/5667.pdf>
- Simonson, M. (2004). "Thwarted innovation" or thwarted research? *The Quarterly Review of Distance Education*, 5(4), vii-ix.
- Simonson, M., & Maushak, N. (2001). Instructional technology and attitude change. In D. H. Jonassen (Ed.), *The Handbook of Research for educational communications and technology* (pp. 984-1016).
- Simonson, M., Schlosser, C., & Hanson, D. (1999). theory and distance education: a new discussion. *The American Journal of Distance Education*, 13(1).
- Simpson, V. (2002). *The effect on staff perceptions of online learning when using a non-traditional approach to staff development*. Paper presented at the Networked Learning Conference. Retrieved 17 August 2012, from <http://www.networkedlearningconference.org.uk/past/nlc2002/proceedings/papers/37.htm>
- Sims, R. (2000). An interactive conundrum: constructs of interactivity and learning theory. *Australian Journal of Educational Technology*, 16(1), 45-57.
- Sinkovics, R. R., Stöttinger, B., Schlegelmilch, B. B., & Ram, S. (2002). Reluctance to use technology-related products: development of a technophobia scale. *Journal*, 44(4), 477-494. Retrieved from <https://www.escholar.manchester.ac.uk/api/datastream?publicationPid=uk-ac-man-scw:86314&datastreamId=POST-PEER-REVIEW-PUBLISHERS.PDF>

- Sins, P. H. M., Savelsbergh, E. R., van Joolingen, W. R., & van Hout-Wolters, B. H. A. M. (2011). Effects of face-to-face versus chat communication on performance in a collaborative inquiry modeling task. *Computers & Education, 56*(2), 379-387.
- Sipilä, K. (2010). The impact of laptop provision on teacher attitudes towards ICT. *Technology, Pedagogy and Education, 19*(1), 3-16.
- Siragusa, L., & Dixon, K. C. (2009). *Theory of planned behaviour: higher education students' attitudes towards ICT-based learning interactions*. Paper presented at the Ascilite Auckland 2009. Retrieved 14 December 2011, from <http://www.ascilite.org.au/conferences/auckland09/procs/siragusa.pdf>
- Skerratt, G., & Murphy, C. (2005). Taking the distance out of distance learning. *Journal, 14*, 25-27. Retrieved from <http://www.gees.ac.uk/planet/p14/gs.pdf>
- Skulmoski, G. J., Hartman, F. T., & Krahn, J. (2007). The Delphi Method for graduate research. *Journal of Information Technology Education, 6*.
- Slater, J., Seale, J., Whitton, N., Schmoller, S., & Ryan, S. (2009). Delivering digital inclusion: a response to the consultation from the Association for Learning Technology. Retrieved 12 February, 2010, from <http://www.alt.ac.uk/docs/Delivering>
- Sloep, P. B., Boon, J., Cornu, B., Klebl, M., Lefrere, P., Naeve, A., et al. (2008). *A European research agenda for lifelong learning*. Paper presented at the EADTU Annual Conference. Retrieved 1 January 2010, from <http://hdl.handle.net/1820/1988>
- Smarkola, C. (2008). Efficacy of a planned behavior model: beliefs that contribute to computer usage intentions of student teachers and experienced teachers. *Computers in Human Behavior, 24*(3), 1196-1215.
- Smith, C., Blake, A., Curwen, K., Dodds, D., Easton, L., McNally, J., et al. (2009). Teachers as researchers in a major research project: experience of input and output. *Teaching and Teacher Education, 25*(7), 959-965.
- Smith, M. K. (2001, October 01, 2008). The learning organization. *The encyclopedia of informal education*. Retrieved 30 November, 2008, from <http://www.infed.org/biblio/learning-organization.htm>
- Smith, M. K. (2001, October 01, 2008). Peter Senge and the learning organization. *The encyclopedia of informal education*. Retrieved 30 November, 2008, from www.infed.org/thinkers/senge.htm
- Smith, M. K. (2009). Communities of practice. *The encyclopedia of informal education*. Retrieved 31 December, 2011, from www.infed.org/biblio/communities_of_practice.htm
- Smith, P. J. (2005). Learning preferences and readiness for online learning. *Educational Psychology, 25*(1), 3-12.
- Smith, P. J., Murphy, K. L., & Mahoney, S. E. (2003). Towards identifying factors underlying readiness for online learning: an exploratory study. *Distance Education, 24*(1), 57-67.
- Smith, P. P. (2011). From scarcity to abundance: achieving quality-assured mass higher education. *Journal of Asynchronous Learning Networks, 15*(2), 6-21.

- Smith-Hillman, A. V., & Brathwaite, T. W. (2004). Learning to swim with sharks: Caribbean and African telecommunications regulatory experience under monopoly conditions (1993-2003). *info*, 6(5), 308-317.
- Smits, J., & Hosgör, A. G. (2006). Effects of family background characteristics on educational participation in Turkey. [doi: DOI: 10.1016/j.ijedudev.2006.02.002]. *International Journal of Educational Development*, 26(5), 545-560.
- Smura, T., Kivi, A., & Toyli, J. (2009). A framework for analysing the usage of mobile services. *info*, 11(4), 53-67.
- Smyth, R. (2009). Enhancing learner–learner interaction using video communications in higher education: Implications from theorising about a new model. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/122577468/PDFSTART>. doi:10.1111/j.1467-8535.2009.00990.x
- Snae, C., & Brueckner, M. (2007). Ontology-driven e-learning system based on roles and activities for Thai learning environment. *Interdisciplinary Journal of Knowledge and Learning Objects*, 3, 1-17.
- Snyder, I. (1999). *Literacy and technology studies: past, present, future*. Paper presented at the Australian Council for Educational Research Conference on Improving Literacy Learning Retrieved 13 December 2011, from <http://www.eric.ed.gov/ERICWebPortal/contentdelivery/servlet/ERICServlet?accno=E D440398>
- Snyder, I., & Beavis, C. (2004). *Doing literacy online: teaching, learning and playing in an electronic world*. Cresskill, N.J.: Hampton Press.
- Soh, P., & Subramanian, A. M. (2008). Is usage a missing link in explaining the perceived learning outcome of Technology-Mediated Learning? *Engineering Management, IEEE Transactions on*, 55(1), 50-66.
- Solow, R. M. (1987). Prize Lecture: Growth Theory and After". Retrieved 16 September, 2012, from http://www.nobelprize.org/nobel_prizes/economics/laureates/1987/solow-lecture.html
- Solvie, P., & Kloek, M. (2007). Using technology tools to engage students with multiple learning styles in a constructivist learning environment. *Journal*, 7(2), 7-27. Retrieved from <http://www.citejournal.org/articles/v7i2languagearts1.pdf>
- Sørebø, Ø., Halvari, H., Gulli, V. F., & Kristiansen, R. (2009). The role of self-determination theory in explaining teachers' motivation to continue to use e-learning technology. *Computers & Education*, 53(4), 1177-1187.
- Sørensen, C., & Gibson, D. (2004). Ubiquitous visions and opaque realities: professionals talking about mobile technologies. *info*, 6(3), 188-196.
- Sosteric, M., & Hesemeier, S. (2002). When is a learning object not an object: a first step towards a theory of learning objects. *International Review of Research in Open and Distance Learning*, 3(2), 1-16.
- South Africa. (1996). *National Education policy act, no. 27 of 1996*. Retrieved 1 Jan. 2010. from <http://www.info.gov.za/view/DownloadFileAction?id=70867>.

- South Africa. (2004). White paper on e-Education. Retrieved 9 December, 2011, from <http://www.info.gov.za/view/DownloadFileAction?id=68767>
- South Africa. Department of Education. (2007). ICT in education: presentation to Portfolio Committee [Powerpoint]. Pretoria: Government Printer.
- South Africa. Department of Education. (2003). *Draft white paper on e-education: transforming learning and teaching through Information Communication Technologies (ICTs)*. Retrieved 15 Feb. 2009. from <http://www.info.gov.za/view/DownloadFileAction?id=68766>.
- South African Democratic Teachers Union (SADTU). (2008). Union pens teacher laptop deal. Retrieved 31 January, 2009, from <http://www.educationweb.co.za/ew/?p=229>
- Spamer, E. J. (2011). Status of Technology at the SCTE, North-West University [interview]. Potchefstroom.
- Spangenberg, E. R., Voss, K. E., & Crowley, A. E. (1997). Measuring the hedonic and utilitarian dimensions of attitude: a generally applicable scale. In M. Brucks & D. J. MacInnis (Eds.), *Advances in Consumer Research* (Vol. 24, pp. 235-241): Association for Consumer Research.
- Specht, M., & Burgos, D. (2007). Modeling adaptive educational methods with IMS learning design. *Journal*, (8). Retrieved from <http://jime.open.ac.uk/2007/08>
- Spector, J. M., & Wang, X. (2002). Integrating technology into learning and working: promising opportunities and problematic Issues. *Educational Technology & Society*, 5(1), 1-7.
- Spence, R., & Smith, M. (2009). Information and communication technologies, human development, growth and poverty reduction: a background paper. Retrieved 21 July, 2010, from http://www.idrc.ca/uploads/user-S/12412058391HF2_Background_Paper_28-04-09.pdf
- Spohrer, J., sumner, T., & Shum, S. B. (1998). Educational authoring tools and the educational object economy: introduction to this special issue from the East/West group. *Journal*, (10). Retrieved from <http://www-jime.open.ac.uk/98/10>
- Spotts, T. H. (1999). Discriminating factors in faculty use of instructional technology in higher education. *Educational Technology & Society* 2(4).
- Spreen, C. A., & Vally, S. (2006). Education rights, education policies and inequality in South Africa. *International Journal of Educational Development*, 26(4), 352-362.
- Srivastava, L. (2004). Japan's ubiquitous mobile information society. *info*, 14(4), 234-251.
- Stacey, E. (2002). Social presence online: networking learners at a distance. *Education and Information Technologies*, 7(4), 287-294.
- Stacey, E., Smith, P. J., & Barty, k. (2004). Adult learners in the workplace: online learning and communities of practice. *Distance Education*, 25(1), 107-123.
- Stansbury, M. (2010). Survey: mobile learning at a tipping point. *Journal*, 29 October 2010. Retrieved from <http://www.eschoolnews.com/2010/10/29/survey-mobile-learning-at-a-tipping-point/>

- Stapić, Z., Orehovački, T., & Vrček, N. (2008). *Modular approach in integration of ICT technologies into mobile heart-work monitoring system*. Paper presented at the Knowledge for Sustainable Development: 27th International Conference on Organizational Science Development. Retrieved 2 May 2009, from <http://www.wapedewe.com/book/book.php?wapedewe=mobile/documents/3627779>
- Staub, F. C. (2007). Mathematics classroom cultures: methodological and theoretical issues. [doi: DOI: 10.1016/j.ijer.2007.10.007]. *International Journal of Educational Research*, 46(5), 319-326.
- Steimberg, Y., Ram, J., Nachmia, R., & Eshel, A. (2006). An online discussion for supporting students in preparation for a test. *Journal of Asynchronous Learning Networks*, 10(4), 117-128.
- Stein, S. J., Shephard, K., & Harris, I. (2009). Conceptions of e-learning and professional development for e-learning held by tertiary educators in New Zealand. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/122610585/PDFSTART>. doi:10.1111/j.1467-8535.2009.00997.x
- Stephens, K. (2000). A critical discussion of the 'New Literacy Studies'. *British Journal of Educational Studies*, 48(1), 10-23.
- Stephenson, J. E., Brown, C., & Griffin, D. K. (2008). Electronic delivery of lectures in the university environment: an empirical comparison of three delivery styles. *Computers & Education*, 50(3), 640-651.
- Stevenson, I. (2008). Tool, tutor, environment or resource: exploring metaphors for digital technology and pedagogy using activity theory. [doi: DOI: 10.1016/j.compedu.2007.09.001]. *Computers & Education*, 51(2), 836-853.
- Stienen, J. (2007). *ICTs for education: impact and lessons learned from IICD-supported activities*. The Hague: iicd.
- Stobaugh, R. R., & Tassell, J. L. (2011). Analyzing the degree of technology use occurring in pre-service teacher education. *Educational Assessment, Evaluation and Accountability*, 23(2), 143-157.
- Stodel, E. J., Thompson, T. L., & MacDonald, C. J. (2006). Learners' perspectives on what is missing from online learning: interpretations through the community of inquiry framework. *Journal*, 7(3). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/325/744>
- Stone, J. A., & Madigan, E. (2007). Inconsistencies and disconnects. *Communications of the ACM* 50(4), 76-79.
- Stoner, G. (1996). A conceptual framework for the integration of learning technology. In G. Stoner (Ed.), *Implementing Learning Technology* (pp. 6-13): Learning Technology Dissemination Initiative
- Strait, M. J. (2005). A research agenda for the science and design of assessment for deep learning. In C. K. Looi, D. Jonassen & M. Ikeda (Eds.), *Towards Sustainable and Scalable Educational Innovations Informed by Learning Sciences* (Vol. 133, pp. 900-903). Amsterdam: I O S Press.

- Straub, E. T. (2008). *Emotional responses to technology failure: looking beyond the appraisal of subjective importance*. Ohio State University.
- Stutt, A., & Motta, E. (2004). Semantic learning webs. *Journal*, (10). Retrieved from <http://www-jime.open.ac.uk/2004/10>
- Sun, L., & Ousmanou, K. (2006). Articulation of information requirements for personalised knowledge construction. *Requirements Engineering*, 11(4), 279.
- Sun, P.-C., & Cheng, H. K. (2007). The design of instructional multimedia in e-Learning: a media richness theory-based approach. [doi: DOI: 10.1016/j.compedu.2005.11.016]. *Computers & Education*, 49(3), 662-676.
- Sun, P.-C., Tsai, R. J., Finger, G., Chen, Y.-Y., & Yeh, D. (2008). What drives a successful e-Learning? An empirical investigation of the critical factors influencing learner satisfaction. [doi: DOI: 10.1016/j.compedu.2006.11.007]. *Computers & Education*, 50(4), 1183-1202.
- Sunden, S., & Wicander, G. (2006). *Information and communication technology applied for developing countries in a rural context: towards a framework for analysing factors influencing sustainable use*. Unpublished Licenciate thesis, Karlstad University, Karlstad.
- Sung, Y.-T., Chang, K.-E., & Yu, W.-C. (2011). Evaluating the reliability and impact of a quality assurance system for E-learning courseware. *Computers & Education*, 57(2), 1615-1627.
- Suri, V. R., & Sawhney, H. (2008). The internet and its wireless extensions in Japan: the portentous interface between chaos and order. *info*, 10(3), 10-21.
- Swan, K. (2002). Building learning communities in online courses: the importance of interaction. *Education, Communication & Information*, 2(1), 23-49.
- Swan, K. (2003). Learning effectiveness: what the research tells us. In J. Bourne & J. C. Moore (Eds.), *Elements of quality online education, practice and direction* (pp. 13-45). Needham, MA: Sloan Center for Online Education.
- Swan, K. (2004). *Relationships between interactions and learning in online environments*: The Sloan Consortium.
- Swan, K., Garrison, D. R., & Richardson, J. C. (2009). A constructivist approach to online learning: the Community of Inquiry framework. In C. R. Payne (Ed.), *Information Technology and Constructivism in Higher Education: Progressive Learning Frameworks* (pp. 43-57). Hershey, PA: IGI global.
- Sweeney, J. C., & Soutar, G. N. (2001). Consumer perceived value: the development of a multiple item scale. *Journal of Retailing*, 77(2), 203-220.
- Sweller, J. (1988). Cognitive load during problem solving: effects on learning. *Cognitive Science*, 12, 257-285.
- Tam, M. (2000). Constructivism, instructional design, and technology: implications for transforming distance learning. *Journal*, 3(2). Retrieved from www.ifets.info/journals/3_2/tam.html

- Tamir, M., Chiu, C.-Y., & Gross, J. J. (2007). Business of pleasure? Utilitarian versus hedonic considerations in emotion regulation. *Emotion, 7*(3), 546-554.
- Tamrakar, B. (2008). Modern Approaches to Digital Learning – DLL project's results, pp. 200). Available from http://portal.hamk.fi/portal/page/portal/HAMKJulkisetDokumentit/Yleisopalvelut/Julkaisupalvelut/Kirjat/opetus_ohjaus_ja_osaaminen/Modern_Approaches_to_Digital_Learning.pdf
- Tang, T. L.-P., & Austin, M. J. (2009). Students' perceptions of teaching technologies, application of technologies, and academic performance. *Computers & Education, 53*(4), 1241-1255.
- Tanimoto, S. L. (2001). Distributed transcripts for online learning: design issues. *Journal, (2)*. Retrieved from <http://www.jime.open.ac.uk/2001/2>
- Tanner, L. K. (2007). *Case study of the challenges faced by adult students enrolled in an online blended distance learning program* Unpublished PhD, Miami University, Miami.
- Tao, Y.-H., & Rosa Yeh, C.-C. (2008). Typology of teacher perception toward distance education issues - a study of college information department teachers in Taiwan. *Computers & Education, 50*(1), 23-36.
- Tapanes, M. A., Smith, G. G., & White, J. A. (2009). Cultural diversity in online learning: a study of the perceived effects of dissonance in levels of individualism/collectivism and tolerance of ambiguity. *The Internet and Higher Education, 12*(1), 26-34.
- Taran, C. (2010). From e-learning to iPad: how to adjust the user interface. *Journal, December 20, 2010*, 1-7. Retrieved from http://www.learningsolutionsmag.com/articles/606/?utm_campaign=ls...
- Tarantola, S., Nardo, M., Saisana, M., & Gatelli, D. (2006). A new estimator for sensitivity analysis of model output: an application to the e-business readiness composite indicator. *Reliability Engineering & System Safety, 91*(10-11), 1135-1141.
- Taras, M. (2010). Student self-assessment: processes and consequences. *Teaching in Higher Education, 15*(2), 199-209.
- Tarimo, C. N. (2006). *ICT security readiness checklist for developing countries: a social-technical approach*. Unpublished PhD, Stockholm University Stockholm.
- Tarmizi, H., & De Vreede, G. J. (2005). *A facilitation task taxonomy for communities of practice*. Paper presented at the AMCIS 2005 Proceedings.
- Tashakkori, A., & Teddlie, C. (Eds.). (1998). *Mixed Methodology: Combining Qualitative and Quantitative Approaches* (Vol. 46). Thousand Oaks: Sage Publications.
- Tashakkori, A., & Teddlie, C. (Eds.). (2003). *Handbook of mixed methods in social and behavioral research*. Thousand Oaks: Sage.
- Taylor, J. (2003). *29 Steps to heaven? Strategies for transforming university teaching and learning using multimedia and educational technology*. The Institute of Educational Technology, Open University.

- Taylor, J. C. (2001). *Fifth generation distance education*. Paper presented at the ICDE 20th World Conference. Retrieved 23 July 2011, from <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.113.3781&rep=rep1&type=pdf>
- Taylor, J. C. (2006). *The virtual university: models & lessons; messages, case studies*: USQOnline, Australia.
- Taylor, J. E. (2006). From practice to theory: reflections on a journey from practice to academia. *Adult Learning*, 17(1-4), 19.
- Taylor, M., & Kloosterman, P. (2010). *Learning to learn: handbook for facilitators: learning to learn in practice*: European Commission.
- Taylor, S., & Todd, P. A. (1995). Understanding information technology usage: a test of competing models. *Information Systems Research*, 6(1), 144-176.
- Teddle, C., & Tashakkori, A. (2003). Major issues in controversies in the use of mixed methods in the social and behavioral sciences. In A. Tashakkori & C. Teddle (Eds.), *Handbook of Mixed Methods in Social and Behavioral Research* (pp. 3-50). London: Sage.
- Teemant, A. S., Marvin E, Pinnegar, S., & Egan, M. W. (2005). Modeling sociocultural pedagogy in distance education. *Educational Technology, Research and Development*, 107(8), 1675-1698.
- Telg, R. W., Anderson, e., Bielema, C., & Dooley, K. E. (2005). Distance Education Training for Distance Education Trainers: The Roadmap to Effective Distance Education Instructional Design Project. Retrieved 12 August, 2012, from www.highbeam.com/doc/1P3-1040187901.html
- Teo, H.-H., Chan, H.-C., Wei, K.-K., & Zhang, Z. (2003). Evaluating information accessibility and community adaptivity features for sustaining virtual learning communities. *International Journal of Human-Computer Studies*, 59(5), 671-697.
- Teo, T. (2008). Pre-service teachers' attitudes towards computer use: a Singapore survey. *Australasian Journal of Educational Technology & Society*, 24(4), 413-424.
- Teo, T. (2009). Is there an attitude problem? Reconsidering the role of attitude in the TAM. [Article]. *British Journal of Educational Technology*, 40(6), 1139-1141.
- Teo, T. (2009). Modelling technology acceptance in education: a study of pre-service teachers. *Computers & Education*, 52(2), 302-312.
- Teo, T. (2010). Development and validation of the E-learning Acceptance Measure (EIAM). *The Internet and Higher Education*, 13(3), 148-152.
- Teo, T. (2010). A structural equation modelling of factors influencing student teachers' satisfaction with e-learning. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123581640/PDFSTART>. doi:10.1111/j.1467-8535.2010.01110.x
- Teo, T., Lee, C. B., Chai, C. S., & Wong, S. L. (2009). Assessing the intention to use technology among pre-service teachers in Singapore and Malaysia: a multigroup

- invariance analysis of the Technology Acceptance Model (TAM). *Computers & Education*, 53(3), 1000-1009.
- Terzis, V., & Economides, A. A. (2011). The acceptance and use of computer based assessment. *Computers & Education*, 56(4), 1032-1044.
- Thach, E. C., & Murphy, K. L. (1995). Competencies for distance education professionals. *Educational Technology Research and Development*, 43(1), 57- 79.
- Thakrar, J., Zinn, D., & Wolfenden, F. (2009). Harnessing open educational resources to the challenges of teacher education in Sub-Saharan Africa. *Journal*, 10(4). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/705/1319>
- Theobald, D., Umar, A., Ochekepe, S., & Sanni, K. (2008). *Nigeria country case study*: United Nations. Educational, Scientific and Cultural Organization.
- Thomas, J. D. E., Driver, M., Coppola, J. F., & Thomas, B. A. (2008). Looking forward to look backward: technology and King Arthur. *Journal*, 16(4), 367-383. Retrieved from http://www.editlib.org/?fuseaction=Reader.ViewFullText&paper_id=26078
- Thomas, K. (2004). *Learning taxonomies in the cognitive, affective and psychomotor domain: white paper, version 2.1*.
- Thomas, L. G., & Knezek, D. G. (2008). Information, Communications, and Educational Technology Standards for Students, Teachers, and School Leaders. In J. Voogt & G. Knezek (Eds.), *International Handbook of Information Technology in Primary and Secondary Education* (Vol. 1, pp. 333-347). New York: Springer.
- Thomas, M. (2008). Blogs, Wikipedia, Second life, and beyond *British Journal of Educational Technology*, 39(6), 1132-1133.
- Thomas, R. C., & Milligan, C. D. (2004). Putting teachers in the loop: tools for creating and customising simulations. *Journal*, (15). Retrieved from <http://www-jime.open.ac.uk/2004/15>
- Thomen, C. (2005). Education practitioners' understanding of professional development and associated competencies. *South African Journal of Higher Education*, 19(4), 813-821.
- Thompson, A. D. (2008). Alliances with Ed leadership programs: an important direction for teacher educators. *Journal of Computing in Teacher Education*, 25(2), 42.
- Thompson, M. (2008). Multimodal teaching and learning: creating spaces for content teachers. [Article]. *Journal of Adolescent & Adult Literacy*, 52(2), 144-153.
- Thompson, M. M. (2007). Are we re-marginalizing distance education students and teachers? *Journal of Asynchronous Learning Networks*, 11(1), 97-106.
- Thurab-Nkhosi, D., Lee, M., & Gachago, D. (2005). Innovate. *Journal*, 2(1), 7. Retrieved from http://www.innovateonline.info/pdf/vol2_issue1/Preparing_Academic_Staff_for_e-Learning_at_the_University_of_Botswana.pdf

- Tikly, L. (2003). The African Renaissance, NEPAD and skills formation: an identification of key policy tensions. *International Journal of Educational Development*, 23(5), 543–564.
- Tilya, F. (2008). IT and educational policy in the Sub-Saharan African region In J. Voogt & G. Knezek (Eds.), *International Handbook of Information Technology in Primary and Secondary Education* (pp. 1145-1159). Washington: Springer.
- Timmers, P. (2008). EU e-inclusion policy in context. *info*, 10(5/6), 12-19.
- Timmis, S., O'Leary, R., Weedon, E., Harrison, C., & Martin, K. (2004). Different shoes, same footprints? A cross-disciplinary evaluation of students' online learning experiences: preliminary findings from the SOLE project. *Journal*, (13). Retrieved from <http://www.jime.open.ac.uk/2004/13>
- To, P.-L., Liao, C., & Lin, T.-H. (2007). Shopping motivations on Internet: a study based on utilitarian and hedonic value. *Technovation*, 27(12), 774-787.
- Tokar, D. M., Thompson, M. N., Plaufcan, M. R., & Williams, C. M. (2007). Precursors of learning experiences in Social Cognitive Career Theory. [doi: DOI: 10.1016/j.jvb.2007.08.002]. *Journal of Vocational Behavior*, 71(3), 319-339.
- Tomai, M., Rosa, V., Mebane, M. E., D'Acunti, A., Benedetti, M., & Francescato, D. (2010). Virtual communities in schools as tools to promote social capital with high schools students. *Computers & Education*, 54(1), 265-274.
- Tomàs, M., Bernabeu, M. D., & Fuentes, M. (2011). Change processes in the university: a diagnosis of institutional culture and social dynamics. *Journal*, 24. Retrieved from <http://www.elearningeuropa.info/files/media/media25541.pdf>
- Tondeur, J., Hermans, R., Van Braak, J., & Valcke, M. (2008). Exploring the link between teachers' educational belief profiles and different types of computer use in the classroom. *Computers in Human Behavior*, 24(6), 2541-2553.
- Tondeur, J., Van Braak, J., Sang, G., Voogt, J., Fisser, P., & Ottenbreit-Leftwich, A. (2011). Preparing pre-service teachers to integrate technology in education: a synthesis of qualitative evidence. *Computers & Education* Retrieved 26 December, 2011, from <http://www.sciencedirect.com/science/article/pii/S0360131511002533>
- Tondeur, J., Van Braak, J., & Valcke, M. (2007). Curricula and the use of ICT in education: two worlds apart? [Article]. *British Journal of Educational Technology*, 38(6), 962-976.
- Topçu, A. (2008). 'Intentional repetition' and learning style: increasing efficient and cohesive interaction in asynchronous online discussions. [Article]. *British Journal of Educational Technology*, 39(5), 901-919.
- Toral, S. L., Barrero, F., & Martínez-Torres, M. R. (2007). Analysis of utility and use of a web-based tool for digital signal processing teaching by means of a technological acceptance model. [doi: DOI: 10.1016/j.compedu.2005.12.003]. *Computers & Education*, 49(4), 957-975.
- Totolo, A. (2011). Adoption and use of computer technology among school principals in Botswana secondary schools. *The International Information & Library Review*, 43(2), 70-78.

- Totolo, A. (s.a.). An analysis of information technology adoption situation in Botswana secondary schools and its impact on digital scholarship initiatives in institutions of learning. Retrieved 26 December, 2011, from http://www.ais.up.ac.za/digi/docs/totolo_paper.pdf
- Tracey, R. (2010). How to revamp your learning model. *Journal*, December 15, 2010, 1-5. Retrieved from <http://www.learningsolutionsmag.com/articles/600/>
- Trafimow, D., & Sheeran, P. (1998). Some tests of the distinction between cognitive and affective beliefs. *Journal of Experimental Social Psychology*, 34(4), 378-397.
- Trandafir, R., Nistorescu, M. S., & Mierlus-Mazilu, I. (2006). *Evaluating virtual learning*. Paper presented at the Conference on Methods, Materials and Tools for Programming Education. Retrieved 5 February 2009, from http://www.codewitz.net/papers/MMT_115-120_EvaluatingVirtualLearning.pdf
- Traxler, J. (2007). Defining, discussing and evaluating mobiler learning: the moving fingers writes and having writ *International Review of Research in Open and Distance Learning*, 8(2), 1-12.
- Triantafyllakos, G. N., Palaigeorgiou, G. E., & Tsoukalas, I. A. (2008). We!Design: a student-centred participatory methodology for the design of educational applications. [Article]. *British Journal of Educational Technology*, 39(1), 125-139.
- Trucano, M. (2005). *Knowledge maps: ICT in education. What is known – and what isn't – about ICTs in education, especially as it pertains to the education-related millennium development goals*. Washington DC: infoDev, The International Bank for Reconstruction and Development.
- Tsai, C.-C. (1997). An analysis of scientific epistemological beliefs and learning orientations of Taiwanese eighth graders. *Science Education*, 82(4), 473-489.
- Tsai, C.-C. (2002). Nested epistemologies: science teachers' beliefs of teaching, learning and science. *International Journal of Science Education*, 24(8), 771 — 783.
- Tsai, C.-C. (2009). Conceptions of learning versus conceptions of web-based learning: the differences revealed by college students. *Computers & Education*, 53(4), 1092-1103.
- Tseng, S.-S., Sue, P.-C., Su, J.-M., Weng, J.-F., & Tsai, W.-N. (2007). A new approach for constructing the concept map. [doi: DOI: 10.1016/j.compedu.2005.11.020]. *Computers & Education*, 49(3), 691-707.
- Tsianos, N., Lekkas, Z., Germanakos, P., Mourlas, C., & Samaras, G. (2009). An experimental assessment of the use of cognitive and affective factors in adaptive educational hypermedia. *IEEE Transactions on Learning Technologies*, 2(3), 249-258.
- Tsui, A. B. M., & Law, D. Y. K. (2007). Learning as boundary-crossing in school-university partnership. [doi: DOI: 10.1016/j.tate.2006.06.003]. *Teaching and Teacher Education*, 23(8), 1289-1301.
- Tubella, I., Gros, B., Mas, X., & Macau, C. (2011). Flexible education: analysing the changing demographic of online students at the Open University of Catalonia. *Journal*, 24. Retrieved from <http://www.elearningeuropa.info/files/media/media25537.pdf>

- Tumusiime, J. (2007). *Investigating a rural community's use of communication technology: a study of Nakaseke community multi-media centre in Uganda*. Unpublished MA, Rhodes University, Grahamstown.
- Tung, F.-C., & Chang, S.-C. (2008). A new hybrid model for exploring the adoption of online nursing courses. [doi: DOI: 10.1016/j.nedt.2007.06.003]. *Nurse Education Today*, 28(3), 293-300.
- Tung, F.-C., & Chang, S.-C. (2008). Nursing students' behavioral intention to use online courses: a questionnaire survey. [doi: DOI: 10.1016/j.ijnurstu.2007.09.011]. *International Journal of Nursing Studies*, 45(9), 1299-1309.
- Tung, F.-C., Chang, S.-C., & Chou, C.-M. (2008). An extension of trust and TAM model with IDT in the adoption of the electronic logistics information system in HIS in the medical industry. [doi: DOI: 10.1016/j.ijmedinf.2007.06.006]. *International Journal of Medical Informatics*, 77(5), 324-335.
- Turner, W. L., & Stylianou, A. C. (2004). The IT advantage assessment model: applying an expanded value chain model to academia. *Computers & Education*, 43(3), 249–272.
- Turvey, K. (2010). Pedagogical-research designs to capture the symbiotic nature of professional knowledge and learning about e-learning in initial teacher education in the UK. *Computers & Education*, 54(3), 783-790.
- Twining, P. (2009). Exploring the educational potential of virtual worlds—some reflections from the SPP. [Article]. *British Journal of Educational Technology*, 40(3), 496-514.
- Tyler-Smith, K. (2006). Early attrition among first time eLearners: a review of factors that contribute to drop-out, withdrawal and non-completion rates of adult learners undertaking eLearning programmes. *Journal*, 2(2). Retrieved from <http://jolt.merlot.org/vol2no2/tyler-smith.htm>
- Tzeng, J.-Y. (2011). Perceived values and prospective users' acceptance of prospective technology: the case of a career eportfolio system. *Computers & Education*, 56(1), 157-165.
- U.S. Congress. Office of Technology Assessment. (1992). *Finding a balance: computer software, intellectual property and the challenge of technological change* (No. OTA-TCT-527). Washington DC.
- Underwood, J., & Szabo, A. (2003). Academic offences and e-learning: individual propensities in cheating. *British Journal of Educational Technology*, 34(4), 467-477.
- UNESCO. (2002). *Information and communication technologies in teacher education: a planning guide* (No. ED/HED/TED/3): UNESCO.
- UNESCO. (2004). Teacher education: use of technology. Retrieved 15 February, 2009, from http://portal.unesco.org/education/en/ev.php-URL_ID=32272&URL_DO=DO_TOPIC&URL_SECTION=201.html
- UNESCO. (2005). *Towards knowledge societies*. Paris: UNESCO Publishing.
- UNESCO. (2008). *Education for All by 2015. Will we make it?* Paris: UNESCO.

- UNESCO. (2008). *ICT competency standards for teachers: competency standards modules*. Paris: UNESCO.
- UNESCO. (2008). *ICT competency standards for teachers: implementation guidelines version 1.0*. Paris: UNESCO.
- UNESCO, & Commonwealth of Learning. (2011). *UNESCO-COL guidelines for open educational resources (OER) in higher education*.
- United Kingdom. Department for Education and Skills. (2004). *Literacy and learning in ICT* (No. DfES 0676-2004): United Kingdom. Department for Education and Skills.
- United Kingdom. Department for International Development. (s.a.). *Learning for all: DFID's education strategy 2010-2015*. London: UKaid.
- United Nations. (2006). e-Government readiness knowledge base. Retrieved 1 January, 2009, from <http://www2.unpan.org/egovkb/ProfileCountry.aspx?ID=159>
- University of Brighton. Social Information Research Unit. (2003). *Managed learning environment activity in further and higher education in the UK*. Brighton: University of Brighton: Social Information Research Unit.
- Unsworth, L. (2002). Changing dimensions of school literacies. *Australian Journal of Language and Literacy*, 25(1), 62-77.
- Unwin, T. (2005). Towards a framework for the use of ICT in teacher training in Africa. *Journal*, 20(2), 1-26. Retrieved from <http://www.gg.rhul.ac.uk/ict4d/ict%20tt%20africa.pdf>
- Usher, R., & Bryant, I. (1989). *Adult education as theory, practice and research: the captive triangle*. London: Routledge.
- Uwaifo, S. O., & Omede, G. C. (2006). An assessment of the capacity-building programme on information and communication technology, organized by the Education Tax Fund, Nigeria. [DOI: 10.1108/07419050610653931]. *Library Hi Tech News*, 23(1), 22-26.
- Uys, P. M. (2000). *Towards the virtual class: key management issues in tertiary education*. Victoria University of Wellington, Wellington.
- Uzunboyulu, H. (2006). A descriptive review of mainline e-learning projects in the European Union: e-learning action plan and e-learning program. *Journal*. Retrieved from http://www.eric.ed.gov/ERICDocs/data/ericdocs2sql/content_storage_01/0000019b/80/1b/cb/5c.pdf
- Valdes, R., Mitchell Smith, D., Knipp, E., & Phifer, G. (2009). Predicts 2010: Web technologies evolve in multiple dimensions: mobile, social and real time. Retrieved 18 July, 2010, from <http://my.gartner.com/portal/server.pt?open=512&objID=260&mode=2&PageID=3460702&resId=1254919&ref=QuickSearch&stkw=%22Hype+Cycle+for+Mobile+Devices+Technologies%22>
- Valk, J.-H., Rashid, A. T., & Elder, L. (2010). Using mobile phones to improve educational outcomes: an analysis of evidence from Asia. *International Review of Research in Open and Distance Learning*, 11(1), 117-136.

- Valsamidis, S., Kazanidis, I., Kontogiannis, S., & Karakos, A. (2010, 5-7 July). *Course ranking and automated suggestions through web mining*. Paper presented at the 10th IEEE International Conference on Advanced Learning Technologies (ICALT 2010), Sousse, Tunisia.
- Value. (2008). *Contribution to a renewed strategy to implement the Alcué common higher education area: green paper proposed by initiative of the VALUE Project*. Erasmus Mundus.
- Van Braak, J., & Tearle, P. (2007). The computer attributes for learning scale (CALS) among university students: scale development and relationship with actual computer use for learning. [doi: DOI: 10.1016/j.chb.2006.08.014]. *Computers in Human Behavior*, 23(6), 2966-2982.
- Van Brakel, P. A., & Chisenga, J. (2003). Impact of ICT-based distance learning: the African story. *The Electronic Library*, 21(5), 476-486.
- Van den Akker, J. (2007). Curriculum Design Research. In T. Plomp & N. Nieveen (Eds.), *An Introduction to Educational Design Research* (pp. 37-52). Enschede: SLO •Netherlands institute for curriculum development.
- Van den Akker, J., Bannan, B., Kelly, A. E., Nieveen, N., & Plomp, T. (2007, 23-26 November). *An Introduction to Educational Design Research*. Paper presented at the Proceedings of the seminar conducted at the East China Normal University, Shanghai.
- Van den Akker, J., Gravemeijer, K., McKenney, S., & Nieveen, N. (2006). Introduction to educational design research. In J. Van den Akker, K. Gravemeijer, S. McKenney & N. Nieveen (Eds.), *Educational design research* (pp. 1-8). London: Routledge.
- Van der Akker, J., Keursten, P., & Plomp, T. (1992). The integration of computer use in education. *International Journal of Educational Research*, 17(1), 65-76.
- Van Dorp, C. A., & De los Monteros, A. H. d. E. E. (2010). Challenges for open and distance learning in the post-2010 decade: scenarios for institutional innovation. *Journal*, 18, 1-16. Retrieved from www.elearningpapers.eu
- Van Dorp, C. A. K.-J., & Lane, A. (2011). Diffusion and adoption of OER. *Journal*. Retrieved from <http://www.elearningeuropa.info/files/media/media25162.pdf>
- Van Gog, T., & Scheiter, K. (2010). Eye tracking as a tool to study and enhance multimedia learning. *Learning and Instruction*, 20(2), 95-99.
- Van Gorp, A., & Morris, C. (2008). Serving under-served areas in South Africa: the potential for Wi-Fi community network deployment and the role of regulation. *info*, 10(1), 65-78.
- Van Merriënboer, J. J. G., & Ayres, P. (2005). Research on cognitive load theory and its design implications for e-Learning. *Educational Technology Research & Development*, 53(3), 5-13.
- Van Raaij, E. M., & Schepers, J. J. L. (2008). The acceptance and use of a virtual learning environment in China. *Computers & Education*, 50(3), 838-852.

- Van Rosmalen, P., Brouns, F., Van Bruggen, J., Sloep, P., & Koper, R. (2008). Towards an open framework for adaptive, agent-supported e-learning. Retrieved 10 April, 2009, from <http://citeseerx.ist.psu.edu/viewdoc/summary10.1.1.78.237>
- Van Rosmalen, P., Sloep, P. B., Brouns, F., Kester, L., Berlanga, A., Bitter, M., et al. (2008). A learner support model based on peer tutor selection - experimental results. *Journal*, 24(6), 483-493. Retrieved from <http://dspace.ou.nl/bitstream/1820/1097/4/learnersupport-experimentalresults-submission.pdf>
- Van Rosmalen, P., Vogten, H., Van Es, R., Passier, H., Poelmans, P., & Koper, R. (2006). Authoring a full life cycle model in standards-based, adaptive e-learning. *Educational Technology & Society*, 9(1), 72-83.
- Vandergrift, K. E. (2002). The anatomy of a distance education course: a case study analysis. *Journal of Asynchronous Learning Networks*, 6(1), 76-90.
- Varlamis, I., & Apostolakis, I. (2006). The present and future of standards for e-learning technologies. *Interdisciplinary Journal of Knowledge and Learning Objects*, 2, 59-76.
- Vass, E. (2007). Exploring processes of collaborative creativity--the role of emotions in children's joint creative writing. [doi: DOI: 10.1016/j.tsc.2007.06.001]. *Thinking Skills and Creativity*, 2(2), 107-117.
- Vass, E., Littleton, K., Miell, D., & Jones, A. (2008). The discourse of collaborative creative writing: peer collaboration as a context for mutual inspiration. [doi: DOI: 10.1016/j.tsc.2008.09.001]. *Thinking Skills and Creativity*, 3(3), 192-202.
- Vavoula, G., Sharples, M., Rudman, P., Meek, J., & Lonsdale, P. (2009). Myartspace: design and evaluation of support for learning with multimedia phones between classrooms and museums. [doi: DOI: 10.1016/j.compedu.2009.02.007]. *Computers & Education*, 53(2), 286-299.
- Vavrus, F. (2009). The cultural politics of constructivist pedagogies: teacher education reform in the United Republic of Tanzania. *International Journal of Educational Development*, 29(3), 303-311.
- Vega-Gorgojo, G., Bote-Lorenzo, M. L., Asensio-Pérez, J. I., Gómez-Sánchez, E., Dimitriadis, Y. A., & Jorrín-Abellán, I. M. (2010). Semantic search of tools for collaborative learning with the Ontoolsearch system. [doi: DOI: 10.1016/j.compedu.2009.09.012]. *Computers & Education*, 54(4), 835-848.
- Vekiri, I., & Chronaki, A. (2008). Gender issues in technology use: perceived social support, computer self-efficacy and value beliefs, and computer use beyond school. [doi: DOI: 10.1016/j.compedu.2008.01.003]. *Computers & Education*, 51(3), 1392-1404.
- Velibeyoglu, K. (2004). *Institutional use of information technologies in city planning agencies: implications from Turkish metropolitan municipalities*. Unpublished PhD - Partial Fulfillment of the Reuirements for the Degree, İzmir Institute of Technology, İzmir.
- Vella, J. (1994). *Learning to listen, learning to teach*. San Francisco: Jossey-Bass.
- Venkatesh, V., Morris, M. G., Davis, G. B., & Davis, F. D. (2003). User acceptance of information technology. *MIS Quarterly*, 27(3), 425-478.

- Venkatesh, V., & Speier, C. (2000). Creating an effective training environment for enhancing telework. *International Journal of Human-Computer Studies*, 52(6), 991-1005.
- Verdisco, A., & Navarro, J. C. (2000). Costa Rica: teacher training for education technology. *Journal*, (Nov/Dec), 98-101. Retrieved from http://www.techknowlogia.org/TKL_Articles/PDF/200.pdf
- Verhagen, P. (2006). Connectivism: a new learning theory? Retrieved 5 December, 2009, from Retrieved from: <http://elearning.surf.nl/e-learning/english/3793>
- Verhoeven, J. C., Heerwegh, D., & De Wit, K. (2010). Information and communication technologies in the life of university freshmen: an analysis of change. *Computers & Education*, 55(1), 53-66.
- Verhoeven, L. (Ed.). (1994). *Functional literacy: theoretical issues and educational implications* (Vol. 1). Amsterdam: John Benjamins Publishing Company.
- Vernadakis, N., Antoniou, P., Giannousi, M., Zetou, E., & Kioumourtzoglou, E. (2011). Comparing hybrid learning with traditional approaches on learning the Microsoft Office Power Point 2003 program in tertiary education. *Computers & Education*, 56(1), 188-199.
- Vidovich, L., Fourie, M., Van der Westhuizen, L., Alt, H., & Holtzhausen, S. (2000). Quality teaching and learning in Australian and South African universities: comparing policies and practices. *Compare*, 30(2), 193.
- Virkus, S. (2003). Information literacy in Europe: a literature review. *Journal*, 8(4). Retrieved from <http://informationr.net/ir/8-4/paper159.html>
- Visscher-Voerman, I., Gustafson, K., & Plomp, T. (1999). Educational Design and Development: An Overview of Paradigms. In J. Van den Akker, R. M. Branch, K. Gustafson, N. Nieveen & T. Plomp (Eds.), *Design Approaches and Tools in Education and Training* (pp. 15-28): Springer.
- Vlachopoulos, P., & Cowan, J. (2010). Reconceptualising moderation in asynchronous online discussions using grounded theory. *Distance Education*, 31(1), 23-36.
- Vlasceanu, L., & Barrows, L. C. (2004). *Indicators for institutional and programme accreditation in higher/tertiary education*. Bucharest.
- Vogel, D., Kennedy, D., M, Kuan, K., Kwok, R., & Lai, J. (2007, January). *Do mobile device applications affect learning?* Paper presented at the System Sciences, 2007. HICSS 2007. 40th Annual Hawaii International Conference
- Vogten, H. F. (2008). *Design and implementation strategies for IMS learning design*. Open Universiteit Nederland, Heerlen.
- Voithofer, R. (2004). Teaching computers to tell learning stories: using critical narrative theory to frame design and evaluation strategies for online educational experiences. *Journal of Educational Multimedia and Hypermedia*, 13(1), 47-72.
- Volk, B. (2010). The «Zurich E-Learning Certificate» A role model for the acquirement of eCompetence for Academic Staff and an example of a practical implementation. *Journal*, 1. Retrieved from www.eurodl.org/index.php?tag=34&article=159&article=390

- Voogt, J., Almekinders, M., Van den Akker, J., & Moonen, B. (2005). A 'blended' in-service arrangement for classroom technology integration: impacts on teachers and students. *Computers in Human Behavior*, 21(3), 523-539.
- Voogt, J., & Knezek, G. (Eds.). (2008). *International handbook of information technology in primary and secondary education, part 1*. Washington: Springer.
- Voogt, J., Westbroek, H., Handelzalts, A., Walraven, A., McKenney, S., Pieters, J., et al. (2011). Teacher learning in collaborative curriculum design. *Teaching and Teacher Education*, 27(8), 1235-1244.
- Vos, N., van der Meijden, H., & Denessen, E. (2011). Effects of constructing versus playing an educational game on student motivation and deep learning strategy use. *Computers & Education*, 56(1), 127-137.
- Vossensteyn, H., Deen, J., Van Adrichem, N., Dekker, P., Mesker, P., Verkroost, M.-J., et al. (2007). *Offshore education in the wider context of internationalisation and ICT: experiences and examples from Dutch higher education*. Utrecht: Stichting Digitale Universiteit.
- Vrasidas, C. (2000). Constructivism versus objectivism: implications for interaction, course design, and evaluation in distance education. *International Journal of Educational Telecommunications*, 6(4), 339-362.
- Vrasidas, C., & Zembylas, M. (2003). The nature of technology-mediated interaction in globalized distance education. *International Journal of Training & Development*, 7(4), 271-286.
- Wachholz, C., Meleisea, E., & Apikul, C. (2005). *Technologies for education: achievements and future Initiatives in the Asia-Pacific region*. Bangkok: UNESCO.
- Wachira, P., Keengwe, J., & Onchwari, G. (2008). Mathematics preservice teachers' beliefs and conceptions of appropriate technology use. *Journal*, 16(3), 293-306. Retrieved from <http://www.editlib.org/f/26142>
- Wachira, P., Keengwe, J., & Onchwari, G. (2009). Personal digital assistants (PDAs) in Mathematics teacher education. *Journal*, 17(2), 113-125. Retrieved from <http://www.editlib.org/f/28134>
- Wade, M., & Schneberger, S. (2006). Technology Acceptance Model. *Theories used in IS research* Retrieved 29 August, 2008, from <http://www.istheory.yorku.ca/Technologyacceptancemodel.htm>
- Wagner, A. R., & Vogel, E. H. (2008). Configural and elemental processing in associative learning: commentary on Melchers, Shanks and Lachnit. [doi: DOI: 10.1016/j.beproc.2007.09.011]. *Behavioural Processes*, 77(3), 446-450.
- Wahab, N. A., Osman, A., & Ismail, M. H. (2010). *Engaging children to Science subject: a heuristic evaluation of mobile learning prototype*. Paper presented at the Computer Engineering and Applications (ICCEA), 2010 Second International Conference Retrieved 16 August 2010, from <http://ieeexplore.ieee.org.nwulib.nwu.ac.za/stamp/stamp.jsp?tp=&arnumber=5445700>

- Wahid, C. M. M., & Karmakar, C. K. (2006). *Prospects of e-learning in the context of current ICT infrastructure of Bangladesh* Paper presented at the Conference on Methods, Materials and Tools for Programming Education. Retrieved 5 February 2009, from http://www.codewitz.net/papers/MMT_83-89_FullPaper_Wahid_Karmakar.pdf
- Wahlstedt, A. (2006). *Over 283 693 reasons to elaborate education, work and apply e-learning*. Paper presented at the 2006 Informing Science and IT Education Joint Conference. Retrieved 19 July 2010, from <http://proceedings.informingscience.org/InSITE2006/ProcWahl178.pdf>
- Waite, S. J., Wheeler, S., & Bromfield, C. (2007). Our flexible friend: the implications of individual differences for information technology teaching. *Computers & Education*, 48(1), 80-99.
- Waks, L. J. (2011). Transforming American education: revolution or counter-revolution? *E-Learning and Digital Media*, 8(2), 145-153.
- Walker, M., McLean, M., Dison, A., & Peppin-Vaughan, R. (2009). South African universities and human development: towards a theorisation and operationalisation of professional capabilities for poverty reduction. *International Journal of Educational Development*, 29(6), 565–572.
- Wallace, M. (2004). Internet editorial: learning theories and approaches: part 1. *Journal of Workplace Learning*, 16(7/8), 419.
- Wallace, M. (2004). Internet editorial: learning theories and approaches: part 2. *Journal of Workplace Learning*, 16(7/8), 503.
- Wallenborn, M. (2009). Skills development for poverty reduction (SDPR): the case of Tajikistan. *International Journal of Educational Development*, 29(6), 550–557.
- Waller, L. G. (2006). *ICTs for whose development? A critical analysis of the discourses surrounding an ICT for Development Initiative for a group of microenterprise entrepreneurs operating in the Jamaican tourism industry: towards the development of methodologies and analytical tools for understanding and explaining the ICT for development phenomenon*. Unpublished PhD, University of Waikato.
- Walraven, A. (2008). *Becoming a critical websearcher: effects of instruction to foster transfer*. Open Universiteit Nederland, Heerlen.
- Walter Hottinga.com. (2011). Feelings--a list of describing words. Retrieved 5 June, 2011, from <http://www.walterhottinga.com/personal-development/feelings-a-list-of-describing-words/>
- Wang, F.-K., & Bonk, C. J. (2001). A design framework for electronic cognitive apprenticeship. *Journal of Asynchronous Learning Networks*, 5(2), 131-151.
- Wang, H. C., & Chiu, Y. F. (2011). Assessing e-learning 2.0 system success. *Computers & Education*, 57(2), 1790-1800.
- Wang, J., & Brown, M. S. (2008). Automated essay scoring versus human scoring: a correlational study. *Journal*, 8(4), 310-325. Retrieved from <http://www.citejournal.org/articles/v8i4languagearts1.pdf>

- Wang, N., Johnson, W. L., Mayer, R. E., Rizzo, P., Shaw, E., & Collins, H. (2008). The politeness effect: pedagogical agents and learning outcomes. [doi: DOI: 10.1016/j.ijhcs.2007.09.003]. *International Journal of Human-Computer Studies*, 66(2), 98-112.
- Wang, Q., & Woo, H. L. (2007). Systematic planning for ICT integration in topic learning. *Educational Technology & Society*, 10(1), 148-156.
- Wang, S.-C. (2009, 28-30 December). *University student perceptions of effective e-learning strategies instructor used in blended courses*. Paper presented at the Second International Conference on Computer and Electrical Engineering, Dubai.
- Wang, S.-C. (2011). *Pedagogical factors influencing university instructor use of e-learning*. Paper presented at the 19th International Conference on Computers in Education.
- Wang, S.-L., & Wu, C.-Y. (2011). Application of context-aware and personalized recommendation to implement an adaptive ubiquitous learning system. *Expert Systems with Applications*, 38(9), 10831-10838.
- Wang, T. (2009). Rethinking teaching with information and communication technologies (ICTs) in architectural education. *Teaching and Teacher Education*, 25(8), 1132-1140.
- Wang, T.-H. (2011). Developing Web-based assessment strategies for facilitating junior high school students to perform self-regulated learning in an e-Learning environment. *Computers & Education*, 57(2), 1801-1812.
- Wang, W.-T., & Wang, C.-C. (2009). An empirical study of instructor adoption of web-based learning systems. *Computers & Education*, 53(3), 761-774.
- Wang, X., Yaman, B., & Bayrak, C. (2009). A flexible modularity-based course management system. *Procedia - Social and Behavioral Sciences*, 1(1), 2081-2085.
- Wang, Y.-S., Wu, M.-C., & Wang, H.-Y. (2009). Investigating the determinants and age and gender differences in the acceptance of mobile learning. *British Journal of Educational Technology*, 40(1), 92-118.
- Ward, L., & Parr, J. M. (2010). Revisiting and reframing use: implications for the integration of ICT. *Computers & Education*, 54(1), 113-122.
- Warg, K., Olsen, S., Sorbring, E., & Stegberg, T. (2000). *@ITudes - A Study concerning the connection between attitudes and ICT usage* Paper presented at the 23rd Information Systems Research Seminar in Scandinavia, IRIS 23 Doing IT together. Retrieved 14 November 2011, from <http://urn.kb.se/resolve?urn=urn:nbn:se:hv:diva-2937>
- Warren-Peace, P., Parrish, E., Peace, C. B., & Xu, J. (2008). Senior surfing: computer use, aging, and formal training. *Journal*, 16(3), 253-274. Retrieved from <http://www.editlib.org/f/24303>
- Warriner, D. S. (2007). "It's just the nature of the beast": re-imagining the literacies of schooling in adult ESL education. [doi: DOI: 10.1016/j.linged.2007.07.004]. *Linguistics and Education*, 18(3-4), 305-324.

- Watson, D. M. (2001). Pedagogy before Technology: Re-thinking the Relationship between ICT and Teaching. *Education and Information Technologies*, 6(4), 251-266.
- Watson, J. (2008). *Blending learning: the convergence of online and face-to-face education*: North American Council for Online Learning.
- Watson, R. (2009). Trend Blend 2009+: a map of time and tide, *Creative Commons Attribution - ShareAlike License*.
- Weaver, C. (2005). *What encourages student participation in online discussions*. Unpublished PhD, University of Southern Queensland.
- Webb, E., Jones, A., Barker, P., & Van Schaik, P. (2004). Using e-learning dialogues in higher education. *Innovations in Education and Teaching International*, 41(1), 93-103.
- Webster, D. (2006). *Learning about e-learning*: Knowledge Presenter.
- Webster, J., Castaño, C., & Palmén, R. (2011). Special issue: editorial. *Journal*, 3(2). Retrieved from <http://genderandset.open.ac.uk/index.php/genderandset/article/view/195/348>
- Weiss, P., Dolan, D., Stucky, W., & Bumann, P. (2004). *ICT-skills certification in Europe*.
- Weller, M. (2004). Learning objects and the e-learning cost dilemma. *Open Learning*, 19(3).
- Weller, M. (2004). Models of large-scale e-learning. *Journal of Asynchronous Learning Networks*, 8(4), 83-92.
- Wellington, J. (2010). More than a matter of cognition: an exploration of affective writing problems of post-graduate students and their possible solutions. *Teaching in Higher Education*, 15(2), 135-150.
- Welsh, E., Wanberg, C. R., Brown, K. G., & Simmering, M. J. (2003). E-learning: emerging uses, empirical results and future directions. *International Journal of Training & Development*, 7(4), 245-258.
- Welsh, J. B. (2007). *Identifying factors that predict student success in a community college online distance learning course*. University of North Texas.
- Wenger, E. (1998). Communities of practice: learning as a social system. *Systems Thinker*, 9(5).
- Wenger, E., White, N., Smith, J. D., & Rowe, K. (2005). Technology for communities, *CEFRIO* (pp. 1-15).
- Wenglinsky, H. (2000). *Teaching the teachers: different settings, different results*. Princeton, NJ: Educational Testing Service: Research Division.
- West, D. M. (2008). *Improving technology utilization in electronic government around the world, 2008*. Washington, DC: Brookings Institution.
- Westbrook, R. A., & Oliver, R., L. (1991). Dimensionality of consumption emotion patterns and consumer satisfaction. *Journal of Consumer Research*, 18(1), 84-91.

- Whang, M. C., Lim, M. S., & Boucsein, W. (2003). Preparing computers for affective communication: a psychophysiological concept and preliminary results. *Human Factors: The Journal of the Human Factors and Ergonomics Society*, 45(4), 623-634.
- White, C. (2003). *Language learning in distance education*. Cambridge: Cambridge University Press.
- White, C. J. (2005). *Research: a practical guide*. Pretoria: Ithukhuko Investments.
- White, D. (2009). Digital literacy and ICT competence. Retrieved 25 August, 2010, from http://www.e-skills-ilb.org/docs/DW_on_e-skills_for_Baltic_ICT_forum_090329.pdf
- White, D., Warren, N., Faughnan, S., & Manton, M. (2010). *Study of UK online learning: report to HEFCE by the Department for Continuing Education, University of Oxford*. Oxford: University of Oxford. Technology-Assisted Lifelong Learning unit.
- Whitrow, T. J. (1999). *Integrating computers accross the curriculum: students' computer-related attitude changes*. Flinders University of South Australia.
- Wickens, R. (2006). SoTEL: toward a scholarship of technology enhanced learning. *Canadian Journal of University Continuing Education*, 32(2), 21-41.
- Wikan, G., & Molster, T. (2011). Norwegian secondary school teachers and ICT. *European Journal of Teacher Education*, 34(2), 209-218.
- Wikipedia. (2006). DELOS: project description. Retrieved 11 September, 2008, from http://www.is.informatik.uni-duisburg.de/wiki/index.php/Project_Description
- Wikipedia. (2008). Benchmarking e-learning. Retrieved 22 August, 2010, from http://en.wikipedia.org/wiki/Benchmarking_e-learning
- Wikipedia. (2008). E-readiness. Retrieved 24 September, 2008, from <http://en.wikipedia.org/w/index.php?title=E-readiness&printable=yes>
- Wikipedia. (2009). Bibliography of benchmarking. Retrieved 9 July, 2009, from http://elearning.heacademy.ac.uk/wiki/index.php/Bibliography_of_benchmarking
- Wild, M. (1996). Perspectives on the place of educational theory in multimedia. In J. G. Hedberg, J. Steele & S. McNamara (Eds.), *Learning Technologies: Prospects and Pathways* (pp. 168-172). Canberra: AJET Publications.
- Wild, R. H., Griggs, K. A., & Downing, T. (2002). A framework for e-learning as a tool for knowledge management. *Industrial Management & Data Systems*, 102(7), 371-280.
- Wildeman, R. (2000). Do teacher education and training programmes bring greater stability to education? *Journal*, 52. Retrieved from <http://www.idasa.org.za/bis/briefs/brief52.htm>
- Wilensky, R. (2007). High schools have got it bad for higher ed - and that ain't good. *Phi Delta Kappan*, 89(4), 248.
- Wilfong, J. D. (2006). Computer anxiety and anger: the impact of computer use, computer experience, and self-efficacy beliefs. *Computers in Human Behavior*, 22(6), 1001-1011.

- Wilkinson, A., Roberts, J., & While, A. E. (2010). Construction of an instrument to measure student information and communication technology skills, experience and attitudes to e-learning. *Computers in Human Behavior*, 26(6), 1369-1376.
- William & Flora Hewlett Foundation, & COL Open Education Resources for Open Schools. (2009). *Input indicator evaluation report*: SAIDE.
- Williams, S. (2001). *Increasing employees' creativity by training their managers*. Dayton, Ohio: MCB UP Ltd.
- Williamson, D. M., Katz, I. R., & Kirsch, I. (2011). An overview of the higher education ICT literacy assessment. *Journal*, 27. Retrieved from http://www7.nationalacademies.org/bose/ICT%20Fluency_Assessment_Overview_Article.pdf
- Willis, B. (s.a.). Distance education – strategies and tools and distance education – a practical guide. *Distance Education at a Glance* Retrieved 20 December 2011, from www.uidaho.edu/evo/distgla.html
- Wills, S. (2006). *Strategic planning for blended eLearning*. Paper presented at the The 7th International Conference on Information Technology Based Higher Education & Training. Retrieved 18 December 2008, from <http://ro.uow.edu.au/asdpapers/36>
- Wilson, B. G. (2001). Trends and futures of education: implications for distance education. Retrieved 20 December 2011, from <http://carbon.ucdenver.edu/~bwilson/TrendsAndFutures.html>
- Wilson, B. G., Ludwig-Hardman, S., Thornam, C. L., & Dunlap, J. C. (2004). Bounded community: designing and facilitating learning communities in formal courses. *International Review of Research in Open and Distance Learning*, 5(3), 1-22.
- Wilson, C. (2002). A tale of two classes. *Journal*, 72. Retrieved from <http://net.educause.edu/ir/library/pdf/eqm02212.pdf>
- Wilson, W. (2001). Faculty Perceptions and Uses of Instructional Technology. *Educause Quarterly*, 2, 60-62.
- Windle, R. J., Wharrad, H., McCormick, D., Lavery, H., & Taylor, M. (2010). Sharing and reuse in OER: experiences gained from open reusable learning objects in health. *Journal*, (4). Retrieved from <http://jime.open.ac.uk/2010/04>
- Windschitl, M., & Sahl, K. (2002). Tracing teachers' use of technology in a laptop computer school: the interplay of teacher beliefs, social dynamics, and institutional culture. *American Educational Research Journal*, 39(1), 165-205.
- Winters, N., & Mor, Y. (2008). IDR: a participatory methodology for interdisciplinary design in technology enhanced learning. [doi: DOI: 10.1016/j.compedu.2007.09.015]. *Computers & Education*, 50(2), 579-600.
- Wolfe, K., Bates, D., Manikowske, L., & Amundsen, R. (2005). Learning styles: do they differ by discipline? *Journal of Family and Consumer Sciences*, 97(4), 18.
- Wolfenden, F. (2008). The TESSA OER Experience: building sustainable models of production and user implementation. *Journal of Interactive Media in Education*(3).

- Wong, E. M. L., Li, S. S. C., Choi, T.-H., & Lee, T. N. (2008). Insights into innovative classroom practices with ICT: identifying the impetus for change. *Educational Technology & Society, 11*(1), 248-265.
- Wood, C., Pillinger, C., & Jackson, E. (2010). Understanding the nature and impact of young readers' literacy interactions with talking books and during adult reading support. *Computers & Education, 54*(1), 190-198.
- Wood, D. (2009). Comments on "Learning with ICT: New perspectives on help seeking and information searching". *Computers & Education, 53*(4), 1048-1051.
- Woody, W. D., Daniel, D. B., & Baker, C. A. (2010). E-books or textbooks: students prefer textbooks. *Computers & Education, 55*(3), 945-948.
- World Bank. (2012). *South Africa economic update: Focus on inequality of opportunity*. Washington, DC: The World Bank.
- World Economic Forum. (2002). *Better, faster, cheaper: developing and leveraging world class ICT networks for social and economic advancement*. Geneva: World Economic Forum.
- World Information Society. (2007). *Report Chapter 3: the digital opportunity index (DOI)*
- Wright, C. R., Dhanarajan, G., & Reju, S. A. (2009). Recurring issues encountered by distance educators in developing and emerging nations. *International Review of Research in Open and Distance Learning, 10*(1), 1-25.
- Wu, D., & Hiltz, S. R. (2004). Predicting learning from asynchronous online discussions *Journal of Asynchronous Networks, 8*(2), 139-152.
- Wu, I.-L., & Chen, J.-L. (2005). An extension of trust and TAM model with TPB in the initial adoption of on-line tax: an empirical study. *International Journal of Human-Computer Studies, 62*(6), 784-808.
- Wu, J.-H., Chen, Y.-C., & Lin, L.-M. (2007). Empirical evaluation of the revised end user computing acceptance model. *Computers in Human Behavior, 23*(1), 162-174.
- Wu, J.-H., Tennyson, R. D., Hsia, T.-L., & Liao, Y.-W. (2008). Analysis of e-learning innovation and core capability using a hypercube model. *Computers in Human Behavior, 24*(5), 1851-1866.
- Wu, J.-H., & Wang, S.-C. (2005). What drives mobile commerce? An empirical evaluation of the revised technology acceptance model. *Information & Management, 42*(5), 719-729.
- Wu, S., Lin, C. S., & Tsai, R. J. (2005). Integrating perceived playfulness into expectation-confirmation model for web portal context. *Information & Management, 42*(5), 683-693.
- Wunsch-Vincent, S., & Vickery, G. (2007). *Participative web: user-created content*. OECD: Committee for Information, Computer and Communications Policy
- Wurst, C., Smarkola, C., & Gaffney, M. A. (2008). Ubiquitous laptop usage in higher education: effects on student achievement, student satisfaction, and constructivist

measures in honors and traditional classrooms. [doi: DOI: 10.1016/j.compedu.2008.05.006]. *Computers & Education*, 51(4), 1766-1783.

- Wutoh, R., Boren, S. A., & Andrew Balas, E. (2004). elearning: a review of internet-based continuing medical education. *The Journal of Continuing Education in the Health Professions*, 24, 20-30.
- Xavier, P., & Ypsilanti, D. (2007). Universal service in an IP-enabled NGN environment. *info*, 9(1), 15-31.
- Yaghi, H. M., & Abu-Saba, M. B. (1998). Teachers' computer anxiety: an international perspective. *Computers in Human Behavior*, 14(2), 321-336.
- Yakah, J. A. (2005). *Faculty perceptions about attributes and barriers impacting the adoption and diffusion of web-based educational technologies (Wbets) at the University of Cape Coast and the University of Ghana, Legon* Unpublished MEd, Texas A&M University, Legon.
- Yang, H.-L., & Cheng, H.-H. (2010). Creativity of student information system projects: from the perspective of network embeddedness. *Computers & Education*, 54(1), 209-221.
- Yang, Y., & Cornelious, L. F. (2005). Preparing Instructors for Quality Online Instruction. *Journal*, 8(1), 16. Retrieved from <http://www.westga.edu/~distance/ojdla/spring81/yang81.htm>
- Yarbrough, A. K., & Smith, T. B. (2007). Technology acceptance among physicians: a new take on TAM. *Medical Care Research and Review*, 64(6), 650-672.
- Yeh, H.-T., & Cheng, Y.-C. (2010). The influence of the instruction of visual design principles on improving pre-service teachers' visual literacy. *Computers & Education*, 54(1), 244-252.
- Yen, D. C., Wu, C.-S., Cheng, F.-F., & Huang, Y.-W. (2010). Determinants of users' intention to adopt wireless technology: an empirical study by integrating TTF with TAM. *Computers in Human Behavior*, 26(5), 906-915.
- Yen, E. C.-C. (2007). Warning signals for potential accounting frauds in blue chip companies – an application of adaptive resonance theory. *Information Sciences*, 177, 4515-4525.
- Yen, J.-C., & Lee, C.-Y. (2011). Exploring problem solving patterns and their impact on learning achievement in a blended learning environment. *Computers & Education*, 56(1), 138-145.
- Yetton, P., & Wills, S. (1997). Managing the introduction of technology in the delivery and administration of higher education, Available from <http://www.dest.gov.au/archive/highered/eippubs/eip9703/front.htm#contents>
- Yi, M. Y., & Hwang, Y. (2003). Predicting the use of web-based information systems: self-efficacy, enjoyment, learning goal orientation, and the technology acceptance model. *International Journal of Human-Computer Studies*, 59(4), 431-449.
- Yildirim, S. (2000). Effect of an educational computing course on preservice and inservice teachers: a discussion and analysis of attitudes and use. *Journal of Research on Computing in Education*, 32(4), 479-495.

- Yildiz, M. (2007). E-government research: reviewing the literature, limitations, and ways forward. *Government Information Quarterly*, 24(3), 646–665.
- York, J. W., Stapleton, G., & Sandlow, L. J. (2003). A web-based core curriculum to meet certification and training needs for medical residents. *Journal of Asynchronous Learning Networks*, 7(2), 96-104.
- Yu, S.-C., & Chou, C. (2009). Does authentic happiness exist in cyberspace? Implications for understanding and guiding college students' Internet attitudes and behaviours. [Article]. *British Journal of Educational Technology*, 40(6), 1135-1138.
- Yun, G. P., & Murad, W. (2006, 22-25 November). *Factors influencing psychology and skills of the secondary school teachers' e-learning readiness: a case study in Malacca, Malaysia*. Paper presented at the 4th International Conference on Multimedia and Information and Communication Technologies in Education: Vol 2: Current Developments in Technology Assisted Education, Seville.
- Zacharis, N. Z. (2010). The effect of learning style on preference for web-based courses and learning outcomes. *Journal*. Retrieved from <http://www3.interscience.wiley.com/cgi-bin/fulltext/123581634/PDFSTART>. doi:10.1111/j.1467-8535.2010.01104.x
- Zailani, S., Ong, H. K., & Shahnnon, S. (2006). The adoption of information and communications technology (ICT) for effective knowledge management in the small and medium industry in Malaysia. *Asian Journal of Information Technology*, 5(1), 28-33.
- Zain, M. Z. M., Atan, H., & Idrus, R. M. (2004). The impact of information and communication technology (ICT) on the management practices of Malaysian Smart Schools. *International Journal of Educational Development*, 24(2), 201–211.
- Zamani, B. E. (2010). Successful implementation factors for using computers in Iranian schools during one decade (1995-2005). *Computers & Education*, 54(1), 59-68.
- Zamzuri, N. H. A., & Ali, M. (2010). A framework for choosing appropriate open source learning management system *Turkish Online Journal of Distance Education*, 12(2).
- Zastrocky, M. (2007). Technology adoption in higher education: know your businesses Retrieved 30 October, 2008, from http://www.gartner.com/DisplayDocument?ref=g_search&id=536807&subref=simplesearch
- Zastrocky, M., Harris, M., & Lowendahl, J.-M. (2008). E-learning for higher education: are we reaching maturity? Retrieved 30 October, 2008, from http://www.gartner.com/resources/156300/156361/elearning_for_higher_educati_156361.pdf
- Zastrocky, M., Rust, B., Harris, M., & Lowendahl, J.-M. (2008). Key issues for education, 2008. Retrieved 30 October, 2008, from http://www.gartner.com/DisplayDocument?ref=g_search&id=631911&subref=simplesearch
- Zawacki-Richter, O. (2009). Research areas in distance education: a Delphi study. *International Review of Research in Open and Distance Learning*, 10(3), 1-17.

- Zboralski, K., Gemuenden, H. G., & Lettl, C. (2004). *A member's perspective on the success of communities of practice - preliminary empirical results*. Paper presented at the 5th European Conference on Organizational Knowledge, Learning and Capabilities,. Retrieved 31 December 2011, from http://www2.warwick.ac.uk/fac/soc/wbs/conf/olkc/archive/olkc5/papers/e-4_zboralski.pdf
- Zemsky, R., & Massy, W. F. (2004). *Thwarted innovation - what happened to e-learning and why*: The Learning Alliance for Higher Education.
- Zentel, P., Bett, K., Meister, D. M., Rinn, U., & Wedekind, J. (2004). A Change Process at German University – Innovation through Information and Communication Technologies? *Journal*, 2(1), 237-246. Retrieved from <http://www.ejel.org>
- Zhang, B., Liu, K., & Su, B. (2008). *Thinking of promoting basic computer education to information technology literacy education in college*. Paper presented at the IT in Medicine and Education, 2008. ITME 2008. IEEE International Symposium on. Retrieved 4 September 2011, from <http://ieeexplore.ieee.org.nwulib.nwu.ac.za/stamp/stamp.jsp?tp=&arnumber=4743837>
- Zhang, K. Z. K., Lee, M. K. O., Cheung, C. M. K., & Chen, H. (2009). Understanding the role of gender in bloggers' switching behavior. *Decision Support Systems*, 47(4), 540-546.
- Zhang, L.-f., & Fan, W. (2007). Do modes of thinking predict career interest types among Chinese university students? [doi: DOI: 10.1016/j.tsc.2007.09.001]. *Thinking Skills and Creativity*, 2(2), 118-127.
- Zhang, S., Zhao, J., & Tan, W. (2008). Extending TAM for online learning systems: an intrinsic motivation perspective. *Tsinghua Science & Technology*, 13(3), 312-317.
- Zhao, F. (2003). Enhancing the quality of online higher education through measurement. *Quality Assurance in Education*, 11(4), 214-221.
- Zhao, J., & Chen, J. (2008). *The research on user modeling for personalized affective computing*. Paper presented at the 2008 International Conference on Computer Science and Software Engineering. Retrieved 6 May 2011, from <http://ieeexplore.ieee.org.nwulib.nwu.ac.za/stamp/stamp.jsp?tp=&arnumber=4721786>
- Zhao, L., Lu, Y., Wang, B., & Huang, W. (2011). What makes them happy and curious online? An empirical study on high school students' Internet use from a self-determination theory perspective. *Computers & Education*, 56(2), 346-356.
- Zhou, Q., Hu, J., & Gao, S. (2010). Chemistry teachers' attitude towards ICT in Xi'an. *Procedia - Social and Behavioral Sciences*, 2(2), 4629-4637.
- Zhou, Q., Zhao, Y., Hu, J., Liu, Y., & Xing, L. (2010). Pre-service chemistry teachers' attitude toward ICT in Xi'an. *Procedia - Social and Behavioral Sciences*, 9(0), 1407-1414.
- Zibit, M. (2004). The peaks and valleys of online professional development. *Journal*, 3. Retrieved from <http://www.elearnmag.org/subpage.cfm?section=research&article=3-1>

