

References

- Abu-Salem, H., Al-Omari, M. & Evens, M.W. (1999). Stemming methodologies over individual query words for an Arabic IR system. *Journal of the American Society for Information Science*, 50: 524-529.
- Agosti, M. & Smeaton, A. (1996), Eds. *Information Retrieval and Hypertext*. Boston, MA: Kluwer.
- Akmajian, A., Demers, R., Farmer, A. & Harnish, R. (1990). *Linguistics: An introduction to language and communication*. Cambridge, MA: The MIT Press.
- Alkula, R. (2001). From plain character strings to meaningful words: Producing better full text databases for inflectional and compounding languages with morphological analysis software. *Information Retrieval*, 4: 195-208.
- Allen, B.L. (1991). Cognitive research in information science: Implications for design. In: Williams, M.E. (Ed.) [ARIST 26]: 3-37.
- Allen, T.J. (1966a). *Managing the Flow of Scientific and Technological Information*. Cambridge, MA: MIT, Sloan School of Management, PhD. Thesis.
- Allen, T.J. (1966b). Studies of the problem-solving process in engineering design. *IEEE Transactions on Engineering Management* EM-13(2): 72-83.
- Allen, T.J. (1969). Information needs and uses. In: Cuadra, C.A. (Ed.) [ARIST 26]: 1-29.
- Allen, T.J. (1977). *Managing the Flow of Technology: Technology Transfer and Dissemination of Technological Information within the R&D Organization*. Cambridge, MA: MIT Press.
- Allen, T.J., Lee, D.M. & Tushman M.L. (1980). R&D performance as a function of internal communication, project management, and the nature of work. *IEEE Transactions on Engineering Management* EM-27(1): 2-12.
- Almind, T. and Ingwersen, P. Informetric analyses on the World Wide Web: Methodological approaches to “webometrics”. *Journal of Documentation*, 53(4), 1997, 404-426.
- Anon. (1974). *Tietosysteemin rakentaminen* [Information system design]. Helsinki, Finland: Tietojenkäsittelyliitto, Publ. 25. [In Finnish.]
- Aparac, T., Saracevic, T., Ingwersen, P. & Vakkari, P. (1999), Eds. *Digital Libraries. Interdisciplinary Concepts, Challenges and Opportunities, Proceedings of the CoLIS 3 Conference*, Dubrovnik, Croatia. Zagreb. Lokve, Croatia: Naklada Benja.
- Arampatzis, A., van der Weide, Th.P., Koster, C.H.A. & van Bommel, P. (2000). Linguistically-motivated information retrieval. *Encyclopedia of Library and Information Science*, Vol. 69. New York, NY: Marcel Dekker: 201-222.

- Artandi, S. (1973). Information concepts and their utility. *Journal of the American Society for Information Science*, 24: 242-245.
- Baeza-Yates, R. & Ribeiro, R. (1999), Eds. *Modern Information Retrieval*. Wokingham, UK: Addison-Wesley.
- Ballesteros, L. & Croft, W.B. (1997). Phrasal translation and query expansion techniques for cross-language information retrieval. In: Belkin, N.J., Narasimhalu, A.D. & Willett, P. (Eds.) [ACM SIGIR 20]: 84-91. [Available at <http://www.ee.umd.edu/medlab/filter/ssspapers/>. Cited Dec. 12, 2003]
- Ballesteros, L. & Croft, W.B. (1998). Resolving ambiguity for cross-language retrieval. In: Croft, W.B. et al. (Eds.) [ACM SIGIR 21]: 64-71.
- Bar-Ilan, J. (1999). Search engine results over time: A case study on search engine stability. *Cybermetrics*, 2/3(1): paper1. [Online journal; available: <http://www.cindoc.csic.es/cybermetrics/articles/v2i1p1.html>]
- Bar-Ilan, J. (2000). Evaluating the stability of the search tools Hotbot and Snap: A case study. *Online Information Review*, 24(6): 430-450.
- Barr, A. & Feigenbaum, E. (1981), Eds. *Handbook of artificial intelligence: Volume I*. London, UK: Pitman.
- Barry, C.L. (1994). User-defined relevance criteria: An exploratory study. *Journal of the American Society for Information Science*, 45(3): 149-159.
- Barry, C.L. & Schamber, L. (1998). Users' criteria for relevance evaluation: A cross-situational comparison. *Information Processing & Management*, 31(2/3): 219-236.
- Bateman, J. (1998). Changes in relevance criteria: A longitudinal study. In: Preston, C. (Ed.) [ASIS 61]: 23-32.
- Bates, M.J. (1972). *Factors Affecting Subject Catalog Search Success*. Berkeley, CA: University of California, Ph.D. Thesis.
- Bates, M.J. (1979a). Information search tactics. *Journal of the American Society for Information Science*, 30(4): 205-214.
- Bates, M.J. (1979b). Idea tactics. *Journal of the American Society for Information Science*, 30(5): 280-289.
- Bates, M.J. (1981). Search Tactics. In: Williams, M.E. (Ed.) [ASIS 16]: 139-169.
- Bates, M.J. (1986a). Subject access in online catalogs: A design model. *Journal of the American Society for Information Science*, 37(6): 357-376.
- Bates, M.J. (1986b). An exploratory paradigm for online information retrieval. In: Brookes, B.C. (Ed.) [IRFIS 6]: 91-99.
- Bates, M.J. (1989). The design of browsing and berrypicking techniques for the online search interface. *Online Review*, 13(5): 407-424.
- Bates, M.J. (1990). Where should the person stop and the information search interface start? *Information Processing & Management*, 26(5): 575-591.
- Bates, M.J. (2002). The cascade of interactions in the digital library interface. *Information Processing & Management*, 38(3): 381-400.
- Bates, M.J., Wilde, D.N. & Siegfried, S. (1993). An analysis of search terminology used by human scholars: The Getty Online Searching Project report no. 1. *Library Quarterly*, 63(1): 1-39.
- Bateson, G. (1973). *Steps to an Ecology of Mind*. Frogmore, St. Albans, Herts, UK: Paladin, 1973.

- Beaulieu, M. (1997). Experiments with interfaces to support query expansion. *Journal of Documentation*, 53(1): 8-19.
- Beaulieu, M. (2000). Interaction in information searching and retrieval. *Journal of Documentation*, 56(4): 431-439.
- Beaulieu, M. & Baeza-Yates, R. & Myaeng, S.H. & Järvelin, K. (2002), Eds. *Proceedings of the 25th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 25)*, Tampere, Finland, August 11-15, 2002. New York, NY: ACM Press.
- Beaulieu, M., Gatford, M., Huang, X., Robertson, S.E., Walker, S. & Williams, P. (1997). Okapi at TREC-5. In: Voorhees, E.M. & Harman, D.K. (Eds.) [TREC 5]: 143-166. [Available at http://trec.nist.gov/pubs/trec5/t5_proceedings.html. Cited Dec. 16, 2003.]
- Beaulieu, M. & Jones, S. (1998). Interactive searching and interface issues in the Okapi best match probabilistic retrieval system. *Interacting with Computers*, 10(3): 237-248.
- Beaulieu, M., Robertson, S. & Rasmussen, E. (1996). Evaluating interactive systems in TREC. *Journal of the American Society for Information Science*, 47(1): 85-94.
- Beghtol, C. (1986). Bibliographic classification theory and text linguistics: Aboutness analysis, intertextuality and the cognitive act of classifying documents. *Journal of Documentation*, 42(2): 84-113.
- Belew, R.K. (2000). *Finding Out About: A Cognitive Perspective on Search Engine Technology and the WWW*. Cambridge, UK: Cambridge University Press.
- Belkin, N.J. (1978). Information concepts for information science. *Journal of Documentation*, 34: 55-85.
- Belkin, N.J. (1984). Cognitive models and information transfer. *Social Science Information Studies*, 4(2/3): 111-129.
- Belkin, N.J. (1990). The cognitive viewpoint in information science. *Journal of Information Science: Principles and Practice*, 16(1): 11-15.
- Belkin, N.J. (1993). Interaction with texts: Information retrieval as information seeking behavior. In: *Information Retrieval '93*. Konstanz: Universitetsverlag Konstanz: 55-66.
- Belkin, N.J., Borgman, C.L., Brooks, H.M., Bylander, T., Croft, W.B., Daniels, P.J., Deerwester, S., Fox, E.A., Ingwersen, P., Rada, R., Sparck Jones, K., Thompson, R. & Walker, D. (1987). Distributed expert-based information systems: An interdisciplinary approach. *Information Processing & Management*, 23(5): 395-409.
- Belkin, N.J., Brooks, H.M., & Daniels, P. (1987). Knowledge elicitation using discourse analysis. *International Journal of Man-Machine Studies*, 27: 127-144.
- Belkin, N.J., Cool, C., Croft, W.B. & Callan, J.P. (1993). The effect of multiple query representations on information retrieval performance. In: Korfhage, R., Rasmussen, E. & Willet, P. (Eds.) [ACM SIGIR 16]: 339-346.

- Belkin, N.J., Cool, C., Koenemann, J., Ng, W.B. & Park, S. (1996a). Using relevance feedback and ranking in interactive searching. In: Harman, D. (Ed.) [TREC 4]: 181-210.
- Belkin, N.J., Cool, C., Koenemann, J., Park, S. & Ng, W.B. (1996b). Information seeking behaviour in new searching environments. In: Ingwersen, P. & Pors, N.O. (Eds.) [CoLIS 2]: 403-416.
- Belkin, N.J., Cool, C., Stein, A. & Thiel, U. (1995a). Cases, scripts, and information seeking strategies: On the design of interactive information retrieval systems. *Expert Systems with Applications*, 9(3): 379-395.
- Belkin, N.J. & Croft, W.B. (1987). Retrieval techniques. In: Williams, M.E. (Ed.) [ARIST 22]: 37-61.
- Belkin, N.J., Ingwersen, P. & Pejtersen, A.M. (1992), Eds. *Proceedings of the 15th ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 15)*. New York, NY: ACM Press.
- Belkin, N.J., Ingwersen, P. and Leong, Mun-Kew (2000), Eds. *SIGIR '2000: Proceedings of the 23rd Annual Conference on Research and Development in Information Retrieval (ACM SIGIR 23)*, July 24-28, 2000, Athens, Greece. New York, NY: ACM Press.
- Belkin, N.J., Kantor, P., Fox, E. & Shaw, J.A. (1995b). Combining the evidence of multiple query representations for information retrieval. *Information Processing & Management*, 31: 431-448.
- Belkin, N.J. & Kwasnik, B. (1986). Using structural representations of anomalous state of knowledge for choosing document retrieval strategies. In: Rabitti, F. (Ed.) [ACM SIGIR 9]: 11-22.
- Belkin, N.J. & Marchetti, P. & Cool, C. (1993). BRAQUE: Design an interface to support user interaction in information retrieval. *Information Processing & Management*, 29(3): 325-344.
- Belkin, N.J., Narasimhalu, A.D. & Willett, P. (1997), Eds. *Proceedings of the 20th ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 20)*. New York, NY: ACM Press.
- Belkin, N.J., Oddy, R.N & Brooks, H.M., (1982a). Ask for information retrieval: Part 1. *Journal of Documentation*, 38(2): 61-71.
- Belkin, N.J., Oddy, R.N. & Brooks, H. (1982b). ASK for information retrieval: Part 2. *Journal of Documentation*, 38(3): 145-164.
- Belkin, N.J., Seeger, T. & Wersig, G. (1983). Distributed expert problem treatment as a model for information systems analysis and design. *Journal of Information Science: Principles and Practice*, 5: 153-167.
- Belkin, N.J. & van Rijsbergen, C.J. (1989), Eds. *Proceedings of the 12th ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 12)*. New York, NY: ACM Press.
- Belkin, N.J. & Vickery, A. (1985). *Interaction in Information Systems*. London, UK: British Library.
- Bellardo, T. (1981). Scientific research in online retrieval: A critical review. *Library Research*, 2: 231-237

- Bellardo, T. (1985a). An investigation of online **searcher** traits and their relationship to search outcome. *Journal of the American Society for Information Science*, 36(4): 241-250.
- Bellardo, T. (1985b). What do we really know about online searchers? *Online Review*, 9(3): 223-239.
- Berger, A. & Lafferty, J. (1999). Information retrieval as statistical translation. In: Gey, F., Hearst, M. & Tong, R. (Eds.) [ACM SIGIR 22]: 222-229.
- Bilal, D. (2000). Children's use of the Yahooligans! Web search engine: I. Cognitive, physical and affective behaviors on fact-based search tasks. *Journal of the American Society for Information Science*, 51(7): 646-665.
- Bilal, D. (2001). Children's use of the Yahooligans! Web search engine: II. Cognitive and physical behaviors on research tasks. *Journal of the American Society for Information Science and Technology*, 52(2): 118-136.
- Bilal, D. (2002). Children's use of the Yahooligans! Web search engine: III. Cognitive and physical behaviors on fully self-generated search tasks. *Journal of the American Society for Information Science and Technology*, 53(13): 1170-1183.
- Bilal, D. & Kirby, J. (2002). Differences and similarities in information seeking: Children and adults as Web users. *Information Processing & Management*, 38(5): 649-670.
- Bishop, A.P., Neumann, L.J., Star, S.L., Merkel, C., Ignacio, E. & Sandusky, R.J. (2000). Digital libraries: Situating use in changing information infrastructure. *Journal of the American Society of Information Science*, 51(4): 394-403.
- Björneborn, L. & Ingwersen, P. (2004). Towards a basic framework for webometrics. *Journal of American Society for Information Science & Technology*, 55(14): 1216-1227.
- Blair, D.C. (1986). Full text retrieval: Evaluation and implications. *International Classification*, 13(1): 18-23.
- Blair, D.C. (1990). *Language and Representation in Information Retrieval*. Oxford, UK: Elsevier.
- Blair, D.C. (1996). STAIRS redux: Thoughts on the STAIRS evaluation, Ten years after. *Journal of the American Society of Information Science*, 47(1): 4-22.
- Blair, D.C. (2002a). Information Retrieval and the Philosophy of Language. In: Cronin, B. (Ed.) [ARIST 37]: 3-50.
- Blair, D.C. (2002b). Some thoughts on the reported results of TREC. *Information Processing & Management*, 38: 445-451.
- Blair, D.C. & Maron, M.E. (1985). An Evaluation of retrieval effectiveness for a full-text document retrieval system. *Communications of the ACM*, 28(3): 289-299.
- Blair, D.C. & Maron, M.E. (1990). Full-text information retrieval: Further analysis and clarification. *Information Processing & Management*, 26(3): 437-447.
- Boguraev, B.K. & Sparck Jones, K. (1982). A natural language analyzer for database access. *Information Technology*, 1(1): 23-39.
- Bonnevie, E. (2001). Dretske's semantic information theory and meta-theories in library and information science. *Journal of Documentation*, 57(4): 519-534.

- Bonzi, S., & Liddy, E. (1989). The use of anaphoric resolution for document description in information retrieval. *Information Processing & Management*, 25(4): 429-441.
- Bookstein, A. et al. (1991), Eds. *Proceedings of the 14th Annual International ACM/SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 14)*, Chicago, IL, Oct. 13-16, 1991. New York, NY: ACM Press.
- Bookstein, A. & Swanson, D. (1974). Probabilistic models for automatic indexing. *Journal of the American Society for Information Science*, 25(5): 312-318.
- Borgman, C.L. (1986a). Why are online catalogs hard to use? Lessons learned from information-retrieval studies. *Journal of the American Society for Information Science*, 37(6): 387-400.
- Borgman, C.L. (1986b). The user's mental model of an information retrieval system: An experiment on a prototype online catalogue. *International Journal of Man-Machine Studies*, 24(1): 47-64.
- Borgman, C.L. (1989). All users of information retrieval systems are not created equal: An exploration into individual differences. *Information Processing & Management*, 25(3): 237-252.
- Borgman, C.L. (1996). Why are online catalogs still hard to use? *Journal of the American Society for Information Science*, 47(7): 493-503.
- Borgman, C.L. (2000). *From Gutenberg to the Global Information Infrastructure: Access to Information in the Networked World*. Cambridge, MA: MIT Press.
- Borgman, C.L. et al. (1995). Children's searching behavior on browsing and keyword searching online catalogs: The Science Library Catalog Project. *Journal of the American Society for Information Science*, 46(9): 663-684.
- Borlund, P. (2000a). Experimental components for the evaluation of interactive information retrieval systems. *Journal of Documentation*, 56(1): 71-90.
- Borlund, P. (2000b). *Evaluation of interactive information retrieval systems*. Åbo, Finland: Åbo Akademi University Press, Ph.D. Thesis.
- Borlund, P. (2003a). The concept of relevance in IR. *Journal of the American Society for Information Science and Technology*, 54(10): 913-925.
- Borlund, P. (2003b). The IIR evaluation model: A framework for evaluation of interactive information retrieval systems. *Information Research*, 8(3), paper no. 152 [Available at: <http://informationr.net/ir/8-3/paper152.html>. Cited May 13, 2003.]
- Borlund, P. & Ingwersen, P. (1997). The development of a method for the evaluation of interactive information retrieval systems. *Journal of Documentation*, 53(3): 225-250.
- Borlund, P. & Ingwersen, P. (1998). Measures of relative relevance and ranked half-life: Performance indicators for interactive IR. In: Croft, W.B. et al. (Eds.) [ACM SIGIR 21]: 324-331.
- Brier, S. (1996). Cybersemiotics: A new interdisciplinary development applied to the problems of knowledge organisation and document retrieval in information science. *Journal of Documentation*, 52(3): 296-344.
- Brin, S. & Page, L. (1998). The anatomy of a large-scale hypertextual web search engine. *Computer Networks and ISDN Systems*, 30(1-7): 107-117.

- Brittain, M.J. (1975). Information needs and the application of the results of user studies. In: Debons, A. & Cameron, W. (Ed.), [Perspectives]: 425-447.
- Brittain, M.J. (1982). Pitfalls of user oriented research, and some neglected areas. In: Friberg, I. (Ed.), [IRFIS 4]: 213-227.
- Brookes, B.C. (1975). The fundamental problem of information science. In: Horsnell, V. (Ed.) [Informatics 2]: 42-49.
- Brookes, B.C. (1977). The developing cognitive viewpoint in information science. In: de Mey, M. et al. (Eds.) [CC77]: 195-203.
- Brookes, B.C. (1980). The foundation of information science: Part 1: Philosophical aspects. *Journal of Information Science: Principles and Practice*, 2: 125-133.
- Brookes, B.C. (1986), Ed. *Intelligent Information Systems for the Information Society: Proceedings of the IRFIS 6 Conference (IRFIS 6)*, Frascati, Italy, 1985. Amsterdam, NL: North-Holland.
- Brooks, H. (1986). Developing and representing problem descriptions. In: Brookes, B.C. (Ed.) [IRFIS 6]: 141-161.
- Brooks, H. (1987). Expert systems and intelligent information retrieval. *Information Processing & Management*, 23(4): 367-382.
- Brooks, H. & Belkin, N.J. (1983). Using discourse analysis for the design of information retrieval interaction mechanism. In: McGill, M.J. & Koll, M. (Eds.) [ACM SIGIR 5]: 31-47.
- Bruce, H.W. (1994). A cognitive view of the situational dynamism of user-centered relevance estimation. *Journal of the American Society for Information Science*, 45: 142-148.
- Bruce, H., Fidel, R., Ingwersen, P. & Vakkari, P. (2002), Eds. *Emerging Frameworks and Methods. Proceedings of the 4th International Conference on Conceptions of Library and Information Science (CoLIS 4)*, July 21-25, 2002, Seattle, USA. Greenwood Village, CO: Libraries Unlimited.
- Buckland, M. (1991a). *Information and Information Systems*. New York, NY: Greenwood Press.
- Buckland, M. (1991b). Information as thing. *Journal of the American Society for Information Science*, 42(5): 351-360.
- Buckley, C., Singhal, A., Mandar, M. & Salton, G. (1995). *New Retrieval Approaches Using SMART: TREC 4*. In: Harman, D. (1996) (Ed.) [TREC 4]: 25-48. [Available at http://trec.nist.gov/pubs/trec4/t4_proceedings.html. Cited Dec. 16, 2003]
- Buckley, C. & Voorhees, E.M. (2000). Evaluating evaluation measure stability. In: Belkin, N.J. et al. [ACM SIGIR 23]: 33-40.
- Bunge, M. (1967). *Scientific research*. Heidelberg: Springer-Verlag.
- Burgin, R. (1992). Variations in relevance judgements and the evaluation of retrieval performance. *Information Processing & Management*, 28(5): 619-627.
- Byström, K. (1996). The use of external and internal information sources in relation to task complexity in a journalistic setting. In: Ingwersen, P. & Pors, N.O. (Eds.) [CoLIS 2]: 325-342.
- Byström, K. (1999). *Task complexity, information types and information sources. Examination of relationships*. Tampere, Finland: University of Tampere, De-

- partment of Information Studies, Ph.D. Thesis. Acta Universitatis Tamperensis 688.
- Byström, K. & Järvelin K. (1995). Task complexity affects information seeking and use. *Information Processing & Management*, 31(2): 191-213.
- Bødker, S., Kyng, K. & Schmidt, K. (1999), Eds. *ECSCW'99: Proceedings of the Sixth European Conference on Computer Supported Cooperative work*, Copenhagen, DK, Sept. 12-16, 1999. Dordrecht: Kluwer.
- Callan, J.P. (1994). Passage-level evidence in document retrieval. Croft, W.B. & van Rijsbergen, C.J. (Eds.) [ACM SIGIR 17]: 302-310.
- Callan, J.P., Croft, W.B. & Broglio, J. (1995). TREC and TIPSTER experiments with INQUERY. *Information Processing & Management*, 31(3):327-343.
- Callan, J.P., Hawking, D., Smeaton, A., Clarke, C. (2003), Eds. *Proceedings of the 26th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 26)*, Toronto, Canada, July 28 - August 1, 2003. New York, NY: ACM Press.
- Campbell, D.J. (1988). Task complexity: A review and analysis. *Academy of Management Review*, 13(1): 40-52.
- Campbell, I. (2000). Interactive evaluation of the ostensive model using a new test collection of images with multiple relevance assessments. *Information Retrieval*, 2(1): 87-114.
- Campbell, I. & van Rijsbergen, C.J. (1996). The ostensive model of developing information needs. In: Ingwersen, P. and Pors, N.O. (Eds.) [CoLIS 2]: 251-268.
- Caplan, N., Morrison, A. & Stambaugh, R.J. (1975). *The Use of Social Science Knowledge in Policy Decisions at the National Level: A Report to the Respondents*. Ann Arbor, MI: University of Michigan, Institute for Social Research.
- Capurro, R. (1992). What is Information Science for? A philosophical reflection. In: Vakkari, P. & Cronin, B. (Eds.) [CoLIS 1]: 83-96.
- Case, D.O. (2002). *Looking for information: A survey of research on information seeking, needs and behavior*. Amsterdam, NL: Academic Press.
- Catledge, L.D. & Pitkow, J.E. (1995). Characterizing browsing strategies in the World-Wide Web. *Computer Networks and ISDN Systems*, 27 (6): 1065-1073.
- Chen, H. (2000), Ed. Special topic issue: Digital libraries: Part 2. *Journal of the American Society of Information Science*, 51(4): 311-403.
- Cherry, C. (1957). *On Human Communication: A Review, a Survey, and a Criticism*. Cambridge, MA: MIT Press. [2nd ed. 1966].
- Chiaramella, Y. (1988), Ed. *Proceedings of the 11th Annual International ACM-SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 11)*. Grenoble, France: Press Universitaire de Grenoble.
- Chinenyanga, T.T. & Kushmerick, N. (2001). Expressive retrieval from XML documents. In: Croft, W.B. et al. (Eds.) [ACM SIGIR 24]: 163-171.
- Chowdhury, G.G. (2002). *Natural Language Processing*. In: Cronin, B. (Ed.) [ARIST 37]: 51-89.
- Christoffersen, M. (2004). Identifying core documents with a multiple evidence relevance filter. *Scientometrics*, 61(3): 385-394.

- Cleverdon, C.W. (1967). The Cranfield tests on index language devices. *Aslib Proceedings*, 19: 173-194.
- Cleverdon, C.W. (1984). Optimizing convenient online access to bibliographic databases. *Information Services and Use*, 4: 37-47.
- Cleverdon, C.W., Mills, J. & Keen, M. (1966). *Factors Determining the Performance of Indexing Systems. vol. 1: Design; vol. 2: Test Results*. Cranfield, UK: College of Aeronautics, 1966.
- Cole, C. (1999). Activity of understanding a problem during interaction with an ‘enabling’ information retrieval system: Modeling information flow. *Journal of the American Society for Information Science*, 50(6): 544-552.
- Cole, C., Cantero, P. & Ungar, A. (2000). The development of a diagnostic-prescriptive tool for undergraduates seeking information for a social science/humanities assignment. *Information Processing & Management*, 36: 481-500.
- Cool, C. & Spink, A. (2002) (Eds.). Issues of context in information retrieval: Special issue. *Information Processing & Management*, 38(5): 605-742.
- Cooper, W.S.: (1968). Expected search length: a single measure of search effectiveness based on the weak ordering action of retrieval systems. *American Documentation*, 19(1): 30-41.
- Cooper, W.S. (1971). A definition of relevance for information retrieval. *Information Storage and Retrieval*, 7(1): 19-37.
- Cormack, G.V., Palmer, C.R. & Clarke, C.L.A. (1998). Efficient construction of large test collections. In: In: Croft, W.B. et al. (Eds.), [ACM SIGIR 21]: 282-289.
- Cosijn, E. (2003). Relevance Judgements in Information Retrieval. Pretoria, RSA: University of Pretoria, Dept. of Information Science, Ph.D. Thesis.
- Cosijn, E. & Ingwersen, P. (2000). Dimensions of relevance. *Information Processing & Management*, 36: 533-550.
- Cosijn, E., Pirkola, A., Bothma, T. & Järvelin, K. (2002). Information access in indigenous languages: a case study in Zulu. In: Bruce, H. et al. (Eds.) [CoLIS 4]: 221-238.
- Cothey, V. (2002). A longitudinal study of World Wide Web users’ information-searching behavior. *Journal of the American Society for Information Science and Technology*, 53(2): 67-78.
- Crane, D. (1971). Information needs and uses. In: Cuadra, C.A. & Luke, A.W. (Eds.) [ARIST 6]: 3-39.
- Crawford, S. (1978). Information needs and uses. In: Williams, M.E. (Ed.), [ARIST 13]: 61-81.
- Croft, W.B. (1986). User-Specified Domain Knowledge for Document Retrieval. In: Rabitti, F. (Ed.) [ACM SIGIR 9]: 201-206.
- Croft, W.B. & Das, R. (1990). Experiments with query acquisition and use in document retrieval systems. In: Vidick, J.L. (Ed.) [ACM SIGIR 13]: 349-368.
- Croft, W.B., Harper, D.J., Kraft, D.H. & Zobel, J. (2001), Eds. *Proceedings of the 24th ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 24)*. New York, NY: ACM.

- Croft, W.B., Krovetz, R. & Turtle, H. (1990). Interactive retrieval of complex documents. *Information Processing & Management*, 26(5): 593-613.
- Croft, W.B., Moffat, A., van Rijsbergen, C.J., Wilkinson, R. & Zobel, J. (1998), Eds. *Proceedings of the 21st Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 21)*, Melbourne, Australia. New York, NY: ACM Press.
- Croft, W.B. & Thomson, R.H. (1987). I3R: A new approach to the design of document retrieval systems. *Journal of the American Society for Information Science*, 38(6): 389-404.
- Croft, W.B., Turtle, H.R. & Lewis, D. (1991). The use of phrases and structured queries in information retrieval. In: Bookstein, A. et al. (Eds.) [ACM SIGIR 14]: 32-45.
- Croft, W.B. & van Rijsbergen, C.J. (1994), Eds. *Proceedings of the 17th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 17)*. New York, NY: ACM Press.
- Cronin, B. (2002a), Ed. *Annual Review of Information Science and Technology*: vol. 36 (ARIST 36). Medford, NJ: Information Today.
- Cronin, B. (2002b), Ed. *Annual Review of Information Science and Technology*: Volume 37 (ARIST 37). Medford, NJ: Information Today.
- Cuadra, C.A. (1966), Ed. *Annual Review of Information Science and Technology*, vol. 4 (ARIST 4). Chicago, IL: William Benton.
- Cuadra, C.A. (1967), Ed. *Annual Review of Information Science and Technology*: Volume 2 (ARIST 2). New York, NY: Wiley.
- Cuadra, C.A. (1968), Ed. *Annual Review of Information Science and Technology*, vol. 3(ARIST 3). Chicago, IL: William Benton.
- Cuadra, C.A. (1969), Ed. *Annual Review of Information Science and Technology*: Vol. 4 (ARIST 4). Chicago, IL: William Benton.
- Cuadra, C.A. & Katter, R.V. (1967). *Experimental Studies of Relevance Judgments: Final Report. Vol. I: Project summary*. Santa Monica, CA: System Development Corporation.
- Cuadra, C.A. & Luke, A.W. (1970), Eds. *Annual review of Information Science and technology*, vol. 5 (ARIST 5). Chicago, IL: Encyclopaedia Britannica.
- Cuadra, C.A. & Luke, A.W. (1971), Eds. *Annual Review of Information Science and Technology*: vol. 6 (ARIST 6). Chicago, IL: William Benton.
- Cuadra, C.A. & Luke, A.W. (1972), Eds. *Annual Review of Information Science and Technology*, vol. 7 (ARIST 7). Washington, DC: ASIS.
- Cuadra, C.A., Luke, A.W. & Harris, J.L. (1974), Eds. *Annual Review of Information Science and Technology*, vol. 9 (ARIST 9). Washington, DC: ASIS.
- Daniels, P. (1986). *Cognitive Models in Information Retrieval: An Evaluative Review*. London, UK: City University.
- Davis, M. & Wilson, C.S. (2001), Eds. *Proceedings of the 8th International Conference on Scientometrics & Informetrics (ISSI2001)*, Sydney, July 16-20, 2001, vol. 1. Sydney, Australia: The University of New South Wales.
- De Mey, M. (1977). The Cognitive viewpoint: Its development and its scope. In: De Mey, M. et al. (Eds.), *CC77: International Workshop on the Cognitive*

- Viewpoint*, March 24-26, 1977. Ghent, Belgium. Ghent, Belgium: University of Ghent: xvi-xxxi.
- De Mey, M. (1980). The relevance of the cognitive paradigm for information science. In: Harbo, O. & Kajberg, L. (Eds.), [IRFIS 2]: 48-61.
- De Mey, M. (1982). *The Cognitive Paradigm: An Integrated Understanding Of Scientific Development*. Dordrecht, Holland: Reidel.
- De Mey, M. (1984). Cognitive science and science dynamics: Philosophical and epistemological issues for information science. *Social Science Information Studies*, 4(2-3): 97-110.
- Debons, A. & Cameron, W. (1975), Eds. *Perspectives in Information Science (Perspectives)*. Leyden, NL: Noordhoff.
- Dennis, S., Bruza, P. & McArthur, R. (2001). Web searching: A progress-oriented experimental study of three interactive search paradigms. *Journal of the American Society for Information Science and Technology*, 53(2): 120-133.
- Dervin, B. (1983). An overview of sense-making research: concepts, methods and results to date. In: *International Communications Association Annual Meeting*. Dallas, Texas.
- Dervin, B. (1992). From the mind's eye of the user: The sense-making qualitative-quantitative methodology. In: Glazier, R.R. (Ed.): 61-84.
- Dervin, B. (1997). Given a context by any other name: Methodological tools for taming the unruly beast. In: Vakkari, P., Savolainen, S. & Dervin, B. (Eds.) [ISIC 1]: 13-38.
- Dervin, B. (1999). On studying information seeking methodologically: The implications of connecting metatheory to method. *Information Processing & Management*, 35: 727-750.
- Dervin, B. (2002). *Empirical findings based on the Sense-Making Methodology*. Personal communication to Kal Järvelin, July 30, 2002.
- Dervin, B. & Dewdney, P. (1986). Neutral questioning: a new approach to the reference interview. *RQ*, 1986(Summer): 506-513.
- Dervin, B. & Frenette, M. (2001). Sense-Making Methodology: Communicating communicatively with campaign audiences. In: Rice, R. & Atkin, C.K., (Eds.), *Public Communications Campaigns* (3rd ed). Thousand Oaks, CA: Sage: 69-87. [Available at <http://communication.sbs.ohio-state.edu/sensemaking/zennez/zennezderv&frenccamp00.html>. Cited Sept. 23, 2002]
- Dervin, B. & Nilan, M. (1986). Information needs and uses. In: Williams, M.E. (Ed.) [ARIST 21]: 3-33.
- Ding, Y., Chowdhury, G. & Foo, C. (1999). Mapping the intellectual structure of information retrieval studies: An author-co-citation analysis, 1987-1997. *Journal of Information Science*, 25(1): 67-78.
- Doyle, L.B. (1962). *Indexing and abstracting by association, Part I*. Santa Monica, CA: System Development Corporation.
- Drabenstott, K.M. (2003). Do nondomain experts enlist the strategies of domain experts? *Journal of the American Society for Information Science and Technology*, 54(9): 836-854.

- Drabenstott, K.M. & Weller, M.S. (1996). Failure analysis of subject searches in a test of a new design for subject access to online catalogs. *Journal of the American Society for Information Science*, 47: 519-537.
- Dretske, F.I. (1981). *Knowledge and the Flow of Information*. Oxford, UK: Basil Blackwell.
- Efthimiadis, E.N. (1992). *Interactive Query Expansion and Relevance Feedback for Document Retrieval Systems*. London, UK: City University, Ph.D. Thesis.
- Efthimiadis, E.N. (1993). A user-centered evaluation of ranking algorithms for interactive query expansion. In: Korfhage, R., Rasmussen, E. & Willet, P. (Eds.), [ACM SIGIR 16]: 146-156.
- Efthimiadis, E.N. (1996). Query expansion. In: Williams, M.E. (Ed.) [ARIST 31]: 121-187.
- Egghe, L. & Rousseau, R. (1990). *Introduction to Informetrics: Quantitative Methods in Library, Documentation and Information Science*. Amsterdam, NL: Elsevier.
- Eisenberg, M. (1988). Measuring relevance judgments. *Information Processing & Management*, 24(4), 373-389.
- Elbaek, M. & Skovvang, M. (2003). *Kortlaegning & visualisering af kompetencenetvaerk i udviklingsprojekter: et casestudie af Oticon A/S*. Copenhagen, DK: Royal School of Librarianship and Information Science, Master's Thesis.
- Ellis, D. (1989). A behavioural approach to information retrieval design. *Journal of Documentation*, 45(3): 171-212.
- Ellis, D. (1990). *New Horizons in Information Retrieval*. London: Library Association.
- Ellis, D. (1992). The physical and cognitive paradigms in information retrieval research. *Journal of Documentation*, 48(1): 45-64.
- Ellis, D. (1996). *Progress and Problems in Information Retrieval*. London, UK: Library Association Publishing.
- Ellis, D., Cox, D. & Hall, K. (1993). A comparison of the information seeking patterns of researchers in the physical and social sciences. *Journal of Documentation*, 49: 356-369.
- Ellis, D., Furner-Hines, J. & Willett, P. (1994). On the creation of hypertext links in full-text documents: measurement of inter-linker consistency. *Journal of Documentation*, 50(2): 67-98.
- Ellis, D. & Haugan, M. (1997). Modeling the information seeking patterns of engineers and research scientists in an industrial environment. *Journal of Documentation*, 53(4): 384-403.
- Ellis, D., Wilson, T.D., Ford, N., Foster, A. Lam, H.M., Burton, R. & Spink, A. (2002). Information seeking and mediated searching: Part 5: User-intermediary interaction. *Journal of the American Society for Information Science and Technology*, 53: 883-893.
- Eloranta, K. (1974). *Heuristiikat ja heuristisuus*. [Heuristics and Heuristicity] Tampere, Finland: University of Tampere, Dept. of Administrative Sciences, Ph.D. Thesis.

-
- Engelbart, D. (1962). *Augmenting Human Intellect: A conceptual Framework*. Menlo Park, CA: Stanford Research Institute.
- Ericsson, K.A. and Simon, H.A. (1984). *Protocol Analysis: Verbal Reports as Data*. Cambridge, MA: MIT Press. [Rev. ed. 1996.]
- Erman, L. D., Hayes-Roth, F., Lesser, V. R., & Reddy, R. (1980). The hearsay-ii speech-understanding system: Integrating knowledge to resolve uncertainty. *ACM Computing Surveys*, 12(2): 213-253.
- Fawyer, S. & Eschenfelder, K. (2002). Social informatics: perspectives, examples, and trends. In: Cronin, B. (Ed.) [ARIST 36]: 427-466.
- Feinman, S. et al. (1976). A conceptual framework for information flow studies. In: Martin, S. (Ed.) [ASIS 38]: 106-116.
- Fellbaum, C. (1998), Ed. *WordNet: An Electronic Lexical Database*. Cambridge, MA: MIT Press.
- Fenichel, C.H. (1980). An examination of the relationship between searching behaviour and searcher background. *Online Review*, 4(4): 341-347.
- Fenichel, C.H. (1981). Online searching: measures that discriminate among users with different types of experiences. *Journal of the American Society for Information Science*, 32(1): 24-32.
- Fidel, R. (1984a). Online searching styles: A case-study-based model of searching behavior. *Journal of the American Society for Information Science*, 35(4): 211-221.
- Fidel, R. (1984b). The Case Study Method: A case study. *Library and Information Science Research*, 6(3): 273-288.
- Fidel, R. (1985). Moves in online searching. *Online Review*, 9(1): 61-74.
- Fidel, R. (1986). Writing abstracts for free-text searching. *Journal of Documentation*, 42(1): 11-21.
- Fidel, R. (1991a). Searchers' selection of search keys, I: The selection routine. *Journal of the American Society for Information Science*, 42(7): 490-500.
- Fidel, R. (1991b). Searchers' selection of search keys, II: Controlled vocabulary or free-text searching. *Journal of the American Society for Information Science*, 42(7): 501-514.
- Fidel, R. (1991c). Searchers' selection of search keys, III: Searching styles. *Journal of the American Society for Information Science*, 42(7): 515-527.
- Fidel, R. (1993). Qualitative methods in information retrieval research. *Library and Information Science Research*, 15(3): 219-247.
- Fidel, R. et al. (1999). A visit to the information mall: Web searching behavior of high school students. *Journal of the American Society for Information Science*, 50(1): 24-37.
- Fidel, R., Bruce, H., Pejtersen, A. M., Dumais, S., Grudin, J. & Poltrack, S. (2000). Collaborative information retrieval (CIR). *The New Review of Information Behaviour Research: Studies of Information Seeking in Context*, 1(1), 235-247.
- Fidel, R. & Soergel, D. (1983). Factors affecting online bibliographic retrieval: A conceptual framework for research. *Journal of the American Society for Information Science*, 34(3): 163-180.

- Ford, N. (2000). Improving the darkness to light ratio in information retrieval research. *Journal of Documentation*, 56(6): 624-643.
- Ford, N., Miller, D. & Moss, N. (2002). Web search strategies and retrieval effectiveness: An empirical study. *Journal of Documentation*, 58(1): 30-48.
- Ford, N., Miller, D. & Moss, N. (2003). Web search strategies and approaches to study. *Journal of American Society for Information Science and Technology*, 54(6): 473-489.
- Ford, N., Wood, F. & Walsh, C. (1994). Cognitive styles and searching. *Online & CD-ROM Review*, 18(2): 79-86.
- Foskett, A.C. (1996). *The Subject Approach to Information*. 5th ed. London, UK: Library Association Publishing.
- Foucault, M. (1972). *The Archaeology of Knowledge*. London: Routledge.
- Fox, E.A. (1987). The Development of the CODER System: A Testbed for Artificial Intelligence Methods in IR. *Information Processing & Management*, 23(4): 341-366.
- Fox, E.A. & Ingwersen, P. & Fidel, R. (1995), Eds. *Proceedings of the 18th International Conference on Research and Development in Information Retrieval (ACM SIGIR 18)*, Seattle, July 9-12, 1995. New York, NY: ACM Press.
- Frankfort-Nachmias, C. & Nachmias, D. (2000). *Research Methods in the Social Sciences*. 6th ed. New York: Worth Publishers. xxi, 550 p.
- Frei H-P., Harman D.K., Schäuble P. & Wilkinson R. (1996), Eds. *Proceedings of the 19th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 19)*. New York, NY: ACM Press.
- Friberg, I. (1981), Ed. *Proceedings of the 4th International Research Forum in Information Science (IRFIS 4)*, Borås, September 14-16, 1981. Borås, Sweden: Högskolan i Borås.
- Frohmann, B. (1990). Rules of indexing: A critique of mentalism in information retrieval theory. *Journal of Documentation*, 46(2): 81-101.
- Frohmann, B. (1992). The power of images: a discourse analysis of the Cognitive viewpoint. *Journal of Documentation*, 48(4): 365-386.
- Fugmann, R. (1990), Ed. *Tools for Knowledge Organisation and the Human Interface. Proceedings of the 1st International ISKO Conference*, Darmstadt, August 14-17, 1990. Part 1. Indeks Verlag, Frankfurt/Main.
- Fuhr, N. (1992). Integration of Probabilistic Fact and Text Retrieval. In: Belkin, N.J., Ingwersen, P. & Pejtersen, A.M. (Eds.) [ACM SIGIR 15]: 211-222.
- Fuhr, N. & Großjohann, K. (2001). XIRQL: A Query Language for Information Retrieval in XML Documents. In: Croft, W.B. et al. (Eds.) [ACM SIGIR 24]: 172-180.
- Fuhr, N., Gövert, N., Kazai, G., and Lalmas, M. (2002), Eds. *Proceedings of the First Workshop of the Initiative for the Evaluation of XML Retrieval (INEX 2002)*. Schloss Dagstuhl, Germany, 26-32. [Available at: <http://qmir.dcs.qmul.ac.uk/inex/>]

- Fuhr, N. & Rölleke, T. (1997). A probabilistic relational algebra for the integration of information retrieval and database systems. *ACM Transactions on Information Systems*, 14(1): 32-66.
- Gaizauskas, R. & Wilks, Y. (1998). Information extraction: Beyond document retrieval. *Journal of Documentation*, 54(1): 70-105.
- Garfield, E. (1979). *Citation Indexing: Its Theory and Application in Science, Technology and Humanities*. New York, NY: Wiley. [Reprinted by ISI Press, 1983.]
- Garofolo, J.S., Auzanne, C.G.P. & Voorhees, E.M. (2000). The TREC spoken document retrieval track: A success story. In: [RIAO 2000]: 1-20.
- Gey, F., Hearst, M. & Tong, R. (1999), Eds. *Proceedings of the 22nd ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 22)*. New York, NY: ACM Press.
- Glazier, R.R. (1992), Ed. *Qualitative Research in Information Management*. Englewood, CO: Libraries Unlimited.
- Glaser, B. G. & Strauss, A. L. (1967). *The Discovery of Grounded Theory*. New York, NY: Aldine de Gruyter.
- Goldfarb, C.F. (1990). *The SGML handbook*. New York, NY: Oxford University Press.
- Golovchinsky, G., Price, M.N. & Schilit, B.N. (1999). From Reading to Retrieval: Freeform Ink Annotations as Queries. In: Gey, F., Hearst, M. & Tong, R. (Eds.) [ACM SIGIR 22]: 19-25.
- Greene, S., Marchionini, G., Plaisant, C. & Shneiderman, B. (2000). Previews and overviews in digital libraries: Designing surrogates to support visual information seeking. *Journal of the American Society of Information Science*, 51(4): 380-394.
- Guarino, N. (1995). Formal ontology, conceptual analysis and knowledge representation. *International Journal of Human and Computer Studies*, 43(5/6): 625-640.
- Guarino, N. (1997). Semantic matching: Formal ontological distinctions for information organization, extraction, and integration. In: Pazienza, M.T. (Ed.), [Information extraction]: 139-170.
- Guarino, N., Masolo, C. & Vetere, G. (1998). *OntoSeek: Using large linguistic ontologies for gathering information resources from the Web*. Padova, IT: National Research Council, LADSEB-CNR, Technical Report 01/98.
- GVU's WWW User Surveys* (2001). [Available at: http://www.cc.gatech.edu/gvu/user_surveys/. Cited May 28, 2003.]
- Gövert, N. & Kazai, G. (2002). Overview of the INitiative for the Evaluation of XML retrieval (INEX) 2002. In: Fuhr, N. et al. (Eds.) [INEX 2002]: 1-17.
- Haas, S. (1996). Natural Language Processing: Toward Large-Scale, Robust Systems. In: Williams, M.E. (Ed.) [ARIST 31]: 83-119.
- Hahn, U. (1990). Topic parsing: accounting for text macro structures in full-text analysis. *Information Processing & Management*, 26(1), 135-170.
- Hancock-Beaulieu, M., Fieldhouse, M. & Do, T. (1995). An evaluation of interactive query expansion in an online library catalogue with a graphical user interface. *Journal of Documentation*, 51(3): 225-243.

- Hansen, P. (1999). User interface design for IR interaction. A task-oriented approach. In: Aparac, T. et al. (Eds.) [CoLIS 3]: 191-205.
- Hansen, P. & Järvelin, K. (2004). Collaborative information searching in an information-intensive work domain: Preliminary results. *Journal of Digital Information Management*, 2(1), 26-29.
- Hansen, P. & Järvelin, K. (2005). Collaborative information retrieval in an information-intensive domain. *Information Processing & Management*, 41(5), 1101-1119.
- Harbo, O. & Kajberg, L. (1980), Eds. Theory and Application of Information Research: *Proceedings of the 2nd International Research Forum on Information Science, (IRFIS 2)* 1977, August 3-6; Copenhagen, Denmark, Royal School of Librarianship. London, UK: Mansell.
- Harman, D.K. (1991). How effective is suffixing? *Journal of the American Society for Information Science*, 42(1): 7-15.
- Harman, D.K. (1992). Relevance feedback revisited. In N. Belkin, P. Ingwersen & A. Mark Pejtersen (eds.) [ACM SIGIR 15]: 1-10.
- Harman, D.K. (1993), Ed. *The first text retrieval conference (TREC 1)*. Washington DC: National Institute of Standards and Technology, NIST Special Publication 500-207. [Available at http://trec.nist.gov/pubs/trec1/t1_proceedings.html. Cited April 12, 2005.]
- Harman, D.K. (1993). Overview of the first text retrieval conference (TREC 1). In: Harman, D.K. (Ed.) [TREC 1]: 1-20.
- Harman, D.K. (1995a), Ed. *The Third Text REtrieval Conference (TREC 3)*. Gaithersburg, MD: National Institute of Standards and Technology, NIST Special Publication 500-226. [Available at http://trec.nist.gov/pubs/trec3/t3_proceedings.html. Cited Apr. 12, 2005.]
- Harman, D.K. (1995b). *Overview of the fourth text retrieval conference (TREC-4)*. In: Harman, D. (1996), (Ed.) [TREC 4]: 1-24. [Available at <http://trec.nist.gov/pubs/trec4/papers/overview.ps>. Cited Nov. 5, 2003]
- Harman, D.K. (1996), Ed. *TREC 4: Proceedings of the Fourth Text Retrieval Conference*. Washington DC: Government Printing Office.
- Harter, S.P. (1992). Psychological relevance and information science. *Journal of the American Society for Information Science*, 43: 602-615.
- Harter, S.P. & Hert, C.A. (1997). Evaluation of information retrieval systems: Approaches, issues, and methods. Williams, M.E. (Ed.) [ARIST 32]: 3-94.
- Hawking, D., (2001). Overview of TREC-9 Web Track. In: Voorhees, E.M. & Harman, D.K. (Eds.) [TREC 9]: 87-92. [Available at: <http://trec.nist.gov/pubs/trec9/papers/web9.pdf>. Cited Nov. 4, 2003.]
- Hawking, D., Thistlewaite, P. & Craswell, P. (1997). ANU/ACSys TREC-6 experiments. In: Voorhees, E.M. & Harman, D.K. (Eds.) [TREC 6]: 275-290. [Available at <http://trec.nist.gov/pubs/trec6/papers/anu.ps.gz>. Cited March 9, 2004.]
- Hawking, D., Voorhees, E., Craswell, N. & Bailey, P. (2000). Overview of TREC-8 Web Track. In: Voorhees, E.M. & Harman, D.K. (Eds.) [TREC 8]: 131-150.
- Hearst, M. (1995). Tilebars: Visualization of term distribution information in full text information access. In: Katz, I.R., et al. (Eds.) [ACM SIGCHI 95]: 59-66.

-
- Hearst, M. (1999). User interfaces and visualization. In: Baeza-Yates, R. & Ribeiro-Neto, B. (Eds.) [1999]: 257-323.
- Hearst, M.A. & Plaunt, C. (1993). Subtopic structuring for full-length document access. In: Korfhage, R., Rasmussen, E.M. & Willett, P. (Eds.) [ACM SIGIR 16]: 59-68.
- Henderson, D. (1990), Ed. *ASIS '90: proceedings of the 53rd ASIS Annual Meeting (ASIS 53)*. Medford, NJ: Learned Information.
- Henriksen, T. (1979) (Ed.). *IRFIS 3, Proceedings of the 3rd International Research Forum in Information Science*, Vols I and II, August 1-3, 1979; Oslo, Norway. Oslo, Norway: Norwegian School of Librarianship, 1979.
- Henry, W.M. et al. (1980). *Online searching: An introduction*. London, UK: Butterworth.
- Herner, S. & Herner, M. (1967). Information needs and use studies in science and technology. In: Cuadra, C.A. (Ed.) [ARIST 2]: 1-34.
- Hersh, W. & Over, P. (2000). TREC-8 Interactive Track Report. In: Voorhees, E.M. & Harman, D.K. (Eds.) [TREC 8]: 57-64.
- Hersh, W. & Over, P. (2001). TREC-2001 Interactive Track Report. In: Voorhees, E.M. & Harman, D.K. (Eds.) [TREC 10]: 38-41. [Available at <http://trec.nist.gov/pubs/trec10/papers/t10ireport.pdf>.]
- Hersh, W., Pentecost, J. & Hickam, D. (1996). A task oriented approach to information retrieval evaluation. *Journal of the American Society for Information Science*, 47(1): 50-56.
- Hertzum, M. & Pejtersen, A.M., (2000). The information seeking practices of engineers: searching for documents as well as for people. *Information Processing & Management*, 36: 761-778.
- Hewins, E.T. (1990). Information needs and use studies. In: Williams, M.E. (Ed.), [ARIST 25]: 147-172.
- Hiemstra, D. (1998a). A Linguistically Motivated Probabilistic Model of Information Retrieval. In: Nicolaou, C. & Stephanidis, C. (Eds.), *Research and Advanced Technology for Digital Libraries*. Heidelberg: Springer, Lecture Notes in Computer Science, vol. 513: 569-584.
- Hiemstra, D. (1998b). Multilingual domain modeling in Twenty-One: Automatic creation of a bi-directional translation lexicon from a parallel corpus. In: Coppen, P-A., van Halteren, H. & Teunissen, L. (Eds.), *Computational linguistics in the Netherlands 1997, Proceedings of the eighth CLIN meeting*. Amsterdam-Atlanta, GA: Rodopi : 41-58.
- Hirsh, S.G. (1999). Children's relevance criteria and information-seeking on electronic resources. *Journal of the American Society for Information Science*, 50(14): 1265-1283.
- Hjørland, B. (1992). The concept of 'subject' in information science. *Journal of Documentation*, 48(2): 172-200.
- Hjørland, B. (1997). *Information Seeking and Subject Representation: An Activity-Theoretical Approach to Information Science*. Westport, London: Greenwood.
- Hjørland, B. (1998). Information retrieval, text composition, and semantics. *Knowledge Organization*, 25(1/2): 16-31.

- Hjørland, B. (2000a). Documents, memory institutions and information science. *Journal of Documentation*, 56(1): 27-41.
- Hjørland, B. (2000b). Relevance research: The missing perspective(s): ‘Non-relevance’ and ‘epistemological relevance’. Letter to the Editor. *Journal of the American Society for Information Science*, 51(2): 209-211.
- Hjørland, B. (2001). Towards a theory of aboutness, subject, topicality, theme, domain, field, content and relevance. *Journal of the American Society for Information Science and Technology*, 52(9): 774-778.
- Hjørland, B. & Albrechtsen, H. (1995). Toward a new horizon in information science: Domain analysis. *Journal of the American Society for Information Science*, 46(6): 400-425.
- Hjørland, B. & Nielsen, L.K. (2001). Subject access points in electronic retrieval. In: Williams, M.E. (Ed.) [ARIST 31]: 249-298.
- Honkela, T. (1997). *Self-Organizing Maps in Natural Language Processing*. Helsinki, Finland: Helsinki University of Technology, Department of Computer Science and Engineering, Ph.D. Thesis.
- Horsnell, V. (1975), Ed. *Informatics 2*. London, UK: Aslib.
- Hsieh-Yee, I. (1998). Search tactics of Web users in searching for texts, graphics, known items and subjects: a search simulation study. *Reference Librarian*, 60: 61-85.
- Huang X., Peng F., Schuurmans D., Cercone, N. & Robertson, S.E. (2003). Applying Machine Learning to Text Segmentation for Information Retrieval. *Information Retrieval*, 6(3-4): 333-362.
- Hull, D. (1993). Using statistical testing in the evaluation of retrieval experiments. In: Korfhage, R., Rasmussen, E.M. & Willett, P. (Eds.), *Proceedings of the 16th International Conference on Research and Development in Information Retrieval*. New York, NY: ACM, 349-338.
- Hull, D. (1996). Stemming Algorithms: a case study for detailed evaluation. *Journal of the American Society for Information Science*, 47: 70-84.
- Hull, D. & Greffenstette, G. (1996). Querying across languages: A dictionary-based approach to multilingual information retrieval. In: Frei, H-P- et al. (Eds.) [ACM SIGIR 19]: 49-57.
- Humphrey, Susanne M. (1991). Evolution Toward Knowledge-Based Indexing for Information Retrieval. In: *Proceedings of the Workshop on Future Directions in Text Analysis, Retrieval and Understanding*, Oct. 10-11, 1991, Chicago, IL: 132-139.
- Hutchins, W.J. (1975). *Languages of Indexing and Classification: A Linguistic Study of Structures and Functions*. Stevenage, UK: Southgate House.
- Hutchins, W.J. (1978). The concept of ‘aboutness’ in subject indexing. *Aslib Proceedings*, 30(5): 172-181.
- Hyldegaard, J. (2005). Collaborative information seeking behaviour: Exploring Kuhlthau’s information search process model in a longitudinal group-based setting of students. *Information processing & Management*, 41 (forthcoming).
- Hölscher, C. & Strube, G. (2000). Web search behavior of Internet experts and newbies. *Computer Networks*, 33(1-6): 337-346.

- Iivonen, M. (1995). Consistency in the selection of search concepts and search terms. *Information Processing & Management*, 31(2): 173-190.
- INEX 2003 Workshop Proceedings*. Schloss Dagstuhl, Germany. [Available at: <http://inex.is.informatik.uni-duisburg.de:2003/> . Cited Apr. 12, 2005.]
- Informatics 8 (1985). *Informatics 8: Advances in intelligent retrieval: Proceedings of a Conference Jointly Sponsored by ASLIB and Information Retrieval Specialist Group of BCS*; April 16-17, 1985, Oxford, England. London, UK: ASLIB.
- Ingwersen, P. (1982). Search procedures in the library analyzed from the cognitive point of view. *Journal of Documentation*, 38(3): 165-191.
- Ingwersen, P. (1984). A cognitive view of three selected online search facilities. *Online and CD-ROM Review*, 8(5): 465-492.
- Ingwersen, P. (1986). Cognitive analysis and the role of the intermediary in information retrieval. In: Davies, R., (Ed.), *Intelligent Information Systems*. Chichester, West Sussex, England: Horwood: 206-237.
- Ingwersen, P. (1992). *Information Retrieval Interaction*. London: Taylor Graham.
- Ingwersen, P. (1994). Polyrepresentation of information needs and semantic entities: Elements of a cognitive theory for information retrieval interaction. In: Croft, W.B. & van Rijsbergen, C.J. (Eds.) [ACM-SIGIR, 17]: 101-111.
- Ingwersen, P. (1995). Information and information science. In: Kent, A. (Ed.), *Encyclopedia of Library and Information Science*, 56, Suppl. 19. New York, NY: Marcel Dekker: 137-174.
- Ingwersen, P. (1996). Cognitive perspectives of information retrieval interaction: Elements of a cognitive IR theory. *Journal of Documentation*, 52(1): 3-50.
- Ingwersen, P. (2001). Cognitive information retrieval. In: Williams, M. (Ed.), *Annual Review of Information Science and Technology*, 34: 3-51.
- Ingwersen, P. (2002). Cognitive perspectives of document representation. In: Bruce, H. et al. (Eds.) [CoLIS4]: 285-300.
- Ingwersen, P. & Björneborn, L. (2004). Methodological issues of webometric studies. In: Moed, H.F., Glänzel, W. & Schmoch, U. (Eds.) *Handbook of Quantitative Science and Technology Research: The Use of Publication and Patent Statistics in Studies of S&T Systems*. Boston, MA: Kluwer: 339-370.
- Ingwersen, P. & Borlund, P. (1996). Information transfer viewed as interactive cognitive processes. In: Ingwersen, P. & Pors, N.O. (Eds.) [CoLIS2]: 219-232.
- Ingwersen, P., Kajberg, L. & Pejtersen, A.M. (1986), Eds. *Information Technology and Information Use*. London, UK: Taylor Graham.
- Ingwersen, P. & Pejtersen, A.M. (1986). User requirements: Empirical research and information systems design. In: Ingwersen, P., Kajberg, L. & Pejtersen, A.M. (Eds.): 111-124.
- Ingwersen, P. & Pors, N.O. (1996), Eds. *Information Science: Integration in Perspective: Proceedings of the 2nd International Conference on Conceptions of Library and Information Science (CoLIS 2)*, October 13-16, 1996, Copenhagen, Denmark. Copenhagen, Denmark: Royal School of Librarianship.
- Ingwersen, P. & Willett, P. (1995). An introduction to algorithmic and cognitive approaches for information retrieval. *Libri*, 45: 160-177.

- Ingwersen, P. & Wormell, I. (1988). Means to improved subject access and representation in modern information retrieval. *Libri: International Library Review*, 38(2): 94-119.
- Ingwersen, P. & Wormell, I. (1989). Modern indexing and retrieval techniques matching different types of information needs. In: Koskiala, S. & Launo, R. (Eds.) *Information, Knowledge, Evolution*. London, UK: North-Holland: 79-90.
- Isenberg, D.J. (1986). Thinking and managing: A verbal protocol analysis of managerial problem solving. *Academy of Management Journal*, 29(4): 775-788.
- Jacob, E. & Shaw, D. (1998). Sociocognitive perspectives on representation. In: Williams, M.E., (Ed.) [ARIST 33]: 131-186.
- Jacob, E.K. (2001). The everyday world of work: Putting classification in context. *Journal of Documentation*, 57(1): 76-99.
- Jansen, B.J. & Pooch, U. (2001). A review of Web searching studies and a framework for future research. *Journal of the American Society for Information Science*, 52(3), 235-246.
- Jansen, B.J., Spink, A., Bateman, J. & Saracevic, T. (1998). Real life information retrieval: A study of user queries on the Web. *SIGIR Forum*, 32(1): 5-17.
- Jansen, B.J., Spink, A. & Saracevic, T. (2000). Real life, real users, and real needs: a study and analysis of user queries on the web. *Information Processing & Management*, 36(2): 207-227.
- Jepsen, E.T., Seiden, P., Ingwersen, P., Björneborn, L. & Borlund, P. (2004). Characteristics of scientific web publications: Preliminary data gathering and analysis. *Journal of American Society for Information Science & Technology*, 55(14): 1239-1249.
- Jing, Y. & Croft, W.B. (1994). *An association thesaurus for information retrieval* Amherst, MA: University of Massachusetts, Dept. of Computer Science, Technical Report TR-1994-17.
- Jones, S., Gatford M, Robertson S, Hancock Beaulieu M, Secker J & Walker S. (1995). Interactive thesaurus navigation: intelligence rules ok. *Journal of American Society for Information Science & Technology*, 46(1): 52-59.
- Järvelin, K. (1986). On information, information technology and the development of society: An information science perspective. In: Ingwersen, P., Kajberg, L. & Pejtersen, A.M. (Eds.): 35-55.
- Järvelin, K. & Kekäläinen, J. (2000). IR evaluation methods for highly relevant documents. In: Belkin, N.J., Ingwersen, P. & Leong, M.-K. (Eds.) [ACM SIGIR 23]: 41-48.
- Järvelin, K. & Kekäläinen, J. (2002). Cumulated gain-based evaluation of IR techniques. *ACM Transactions on Information Systems (ACM TOIS)*, 20(4): 422-446.
- Järvelin, K., Kekäläinen, J. & Niemi, T. (2001). ExpansionTool: Concept-based query expansion and construction. *Information Retrieval*, 4(3/4): 231-255.
- Järvelin K, Kristensen J, Niemi T, Sormunen E and Keskustalo H (1996) A deductive data model for query expansion. In: Frei H-P. et al. (Eds.) [ACM SIGIR 19]: 235-249.

- Järvelin, K. & Niemi, T. (1995). An NF2 relational interface for document retrieval, restructuring and aggregation. In: Fox, E. A. & Ingwersen, P. & Fidel, R. (Eds.) [ACM SIGIR 18]: 102-110.
- Järvelin, K. & Niemi, T. (1999). Integration of complex objects and transitive relationships for information retrieval. *Information Processing & Management*, 35(5): 655-678.
- Järvelin, K. & Vakkari, P. (1990). Content analysis of library and information science research articles. *Library and Information Science Research*, 12(4): 395-421.
- Järvelin, K. & Vakkari, P. (1993). The evolution of library and information science 1965-85: A content analysis of journal articles. *Information Processing & Management*, 29(1): 129-144.
- Järvelin, K. & Wilson, T.D. (2003). On conceptual models for information seeking and retrieval research. *Information Research*, 9(1) paper 163 [Available at <http://InformationR.net/ir/9-1/paper163.html>]
- Kalamboukis, T. Z. (1995). Suffix stripping with Modern Greek. *Program*, 29: 313-321.
- Kantor, P.B. (1994). Information retrieval techniques. In: Williams, M.E. (Ed.) [ARIST 29]: 53-90.
- Karlsson, F. (1994). *Yleinen kielitiede* [General linguistics]. Hki: Yliopistopaino.
- Katter, R.V. (1968). The influence of scale form on relevance judgments. *Information Storage and Retrieval*, 4(1), 1-11.
- Katz, I.R., Mack, R., Marks, M, Rosson M.B. & Nielsen, J. (1995), Eds. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (ACM SIGCHI 95)*. Denver, CO: ACM Press.
- Katz, S. (1996). Distribution of content words and phrases in text and language modelling. *Natural Language Engineering*, 2(1), 15-60
- Katzer, J., McGill, M.J., Tessier, J.A., Frakes, W. & Das Gupta, P. (1982). A study of the overlap among document representations. *Information Technology: Research and Development*, 2: 261-274.
- Kekäläinen, J. (1999). *The effects of query complexity, expansion and structure on retrieval performance in probabilistic text retrieval*. Tampere, Finland: University of Tampere, Department of Information Studies, Ph.D. Thesis, Acta Universitatis Tamperensis 678. [Available at: <http://www.info.uta.fi/tutkimus/fire/archive/QCES.pdf>. Cited Dec. 16 2003.]
- Kekäläinen, J. (2005). Binary and graded relevance in IR evaluations - Comparison of the effects on ranking of IR systems. *Information Processing & Management*, 41(5), 1019-1033.
- Kekäläinen, J. & Järvelin, K. (1998). The impact of query structure and query expansion on retrieval performance. In: Croft, W.B. et al. (Eds.) [ACM SIGIR 21]: 130-137.
- Kekäläinen, J. & Järvelin, K. (2000). The co-effects of query structure and expansion on retrieval performance in probabilistic text retrieval. *Information Retrieval*, 1(4), 329-344.

- Kekäläinen, J. & Järvelin, K. (2002). Using graded relevance assessments in IR evaluation. *Journal of the American Society for Information Science and Technology*, 53(13): 1120-1129.
- Kekäläinen, J. & Järvelin, K. (2002a). User-oriented evaluation methods for information retrieval: A case study based on conceptual models for query expansion. In: Lakemeyer, G. & Nebel, B. (Eds.) *Exploring Artificial Intelligence in the New Millennium*. San Francisco: Morgan Kaufmann Publishers: 355-379.
- Kekäläinen, J. & Järvelin, K. (2002b). Evaluating information retrieval systems under the challenges of interaction and multi-dimensional dynamic relevance. In: Bruce, H. et al. (Eds.) [CoLIS4]: 253-270.
- Keskustalo, H. & Pirkola, A. & Visala, K. & Leppänen, Erkka & Järvelin, K. (2003). Non-adjacent Digrams Improve Matching of Cross-Lingual Spelling Variants. In: Nascimento, M.A., de Moura, E.S., Oliveira, A.L, (Eds.) [SPIRE 2003]: 252-265.
- Kilpeläinen, P. & Mannila, H. (1993). Retrieval from hierarchical texts by partial patterns. In: Korfhage, R., Rasmussen, E. & Willett, P. (Eds.) [ACM SIGIR 16]: 214-222.
- Kim, K-S. & Allen, B. (2002). Cognitive and task influences on web searching behavior. *Journal of the American Society for Information Science and Technology*, 53(2): 109-119.
- King, D.W. & Tenopir, C. (2001). Using and reading scholarly literature. In: Williams, M.E. (Ed.) [ARIST 34]: 423-477.
- Kleinberg, J.M. (1999). Authoritative sources in a hyperlinked environment. *Journal of the ACM*, 46(5), 604-632.
- Korfhage, R.R. (1997). *Information Storage and Retrieval*. New York, NY: Wiley.
- Korfhage, R., Rasmussen, E. & Willett, P. (1993), Eds. *Proceedings of the 16th Annual International Conference on Research and Development in Information Retrieval (ACM SIGIR 16)*. New York, NY: ACM Press.
- Koskenniemi, K. (1983). *Two-Level Morphology: A General Computational Model for Word-Form Recognition and Production*. Helsinki, Finland: University of Helsinki, Department of General Linguistics, Publications 11.
- Koskenniemi, K. (1985). An application of the two-level model to Finnish. In: Karlson, F. (Ed.) *Computational Morphosyntax: Report on Research 1981-84*. Helsinki: University of Helsinki, Department of General Linguistics, Publications No. 13.
- Kristensen, J. (1993). Expanding end-users' query statements for free text searching with a search-aid thesaurus. *Information Processing & Management*, 29(6): 733-744.
- Krovetz, R. (1993). Viewing morphology as an inference process. In: Korfhage, R., Rasmussen, E. & Willett, P. (Eds.) [ACM SIGIR 16]: 191-202.
- Krovetz, R. & Croft, W.B. 1992. Lexical ambiguity and information retrieval. *ACM Transactions on Information Systems*, 10(2): 115-141.

- Kuhlthau, C. C. (1991). Inside the search process: Information seeking from the user's perspective. *Journal of the American Society for Information Science*, 42(5): 361-371.
- Kuhlthau, C. C. (1993a). *Seeking Meaning*. Norwood, NJ: Ablex.
- Kuhlthau, C.C. (1993b). A principle of uncertainty for information seeking. *Journal of Documentation*, 49(4): 339-355.
- Kuhlthau, C.C. (1997). The influence of uncertainty on the information seeking behaviour of a securities analyst. In: Vakkari, P., Savolainen, S. & Dervin, B. (eds) [ISIC 1]: 268-274 .
- Kuhlthau, C.C. (1999). The role of experience in the information search process of an early career information worker: Perceptions of uncertainty, complexity, construction, and sources. *Journal of the American Society for Information Science*, 50(5): 399-412.
- Kuhlthau, C.C. & Tama, S.L. (2001). Information search process of lawyers: A call for "just for me" information services. *Journal of Documentation*, 57(1): 25-43.
- Kuhn, T.S. (1970). *The Structure of Scientific Revolution*. 2. ed. Chicago: University of Chicago Press.
- Kuikka, E. & Salminen, A. (1997). Two-dimensional filters for structured text. *Information Processing & Management*, 33(1): 37-54.
- Kunttu, T. (2003). *Perus- ja taivutusmuotohakemiston tuloksellisuus todennäköisyyksiin perustuvassa tiedonhakujärjestelmässä* [The effectiveness of inflectional word form index and basic word form index in a probabilistic IR system]. Tampere, Finland: University of Tampere, Dept. of Information Studies, M.Sc. Thesis. [In Finnish]
- Kunz, W. & Rittel, H.W.J. (1977a). *A Systems Analysis of the Logic of Research and Information Processes*. München: Verlag Dokumentation.
- Kunz, W., Rittel, H.W.J. & Schwuchow, W. (1977b). *Methods of Analysis and Evaluation of Information Needs: A Critical View*. München: Verlag Dokumentation.
- Kwasnik, B.H. (1988). Factors affecting the naming of documents in an office. In: Borgman, C.L. & Pai, E.Y.H. (Eds.) [ASIS 51]: 100-106.
- Kwasnik, B.H. (1991). The importance of factors that are not document attributes in the organization of personal documents. *Journal of Documentation*, 47(4): 389-398.
- Lalmas, M. (1997). Dempster-Shafer's theory of evidence applied to structured documents: Modelling uncertainty. In: Belkin, N.J., Narasimhalu, A.D. & Willett, P. (Eds.) [ACM SIGIR 20]: 110-118.
- Lalmas, M. (1998). Logical models in information retrieval: introduction and overview. *Information Processing & Management*, 34(1): 19-33.
- Lancaster, F.W. (1968a). *Information Retrieval Systems: Characteristics, Testing, and Evaluation*. New York, NY: Wiley.
- Lancaster, F.W. (1968b). *Evaluation of the Medlars Demand Search Service*. Bethesda, MD: National Library of Medicine.
- Lancaster, F.W. (1969). Medlars: Report on the evaluation of its operating efficiency. *American Documentation*, April 1969: 119-142.

- Lancaster, F.W. (1972). *Vocabulary Control for Information Retrieval*. Washington: Information Resources Press.
- Lancaster, F.W. (1998). *Indexing and Abstracting in Theory and Practice*. London: UK, Library Association Publishing.
- Lancaster, F.W. et al. (1996). Evaluation of interactive knowledge-based systems. *Journal of the American Society for Information Science*, 47(1): 57-69.
- Lancaster, F.W. & Warner, A.J. (1993). *Information Retrieval Today*. Arlington, VA: Information Resources Press.
- Lappin, S. & Leass, H.J. (1994). An algorithm for pronominal anaphora resolution. *Computational Linguistics*, 20(4): 535-561.
- Large, A., Beheshti, J. & Moukdad, H. (1999). Information seeking on the Web: navigational skills of grade-six primary school students. In: Woods, L. (Ed.) [ASIS 62]: 84-97.
- Large, A., Beheshti, J. & Rahmin, T. (2002). Design criteria for children's Web portals: The users speak out. *Journal of the American Society for Information Science and Technology*, 53(2): 79-94.
- Larsen, B. (2002). Exploiting citation overlaps for information retrieval: Generating a boomerang effect from the network of scientific papers. *Scientometrics*, 54(2): 155-178.
- Larsen, B. (2004). References and Citations in Automatic Indexing and Retrieval Systems: Experiments with the Boomerang Effect. Copenhagen, DK: The Royal School of Library and Information Science, Ph.D. Thesis. [Available at: <http://www.db.dk/blar/dissertation>. Cited Feb. 11, 2004.]
- Larsen, B. & Ingwersen, P. (2002). The Boomerang Effect: Retrieving Scientific Documents via the Network of References and Citations. In: Beaulieu, M. et al. (Eds.) [ACM SIGIR 25]: 397-398.
- Larsen, B., Lund, H., Andreasen, J.K. & Ingwersen, P. (2003). Using value-added document representations in INEX. In: *INEX 2003 Workshop Proceedings*: 67-72.
- Lawrence, S. & Giles, C. L. (1999). Accessibility and distribution of information on the Web. *Nature*, 400: 107-110.
- Leckie, G.J., Pettigrew, K.E. & Sylvain, C. (1996). Modelling the information seeking of professionals: A general model derived from research on engineers, health care professionals and lawyers. *Library Quarterly*, 66(2): 161-193.
- Liddy, E. (1990). Anaphora in natural language processing and information retrieval. *Information Processing & Management*, 26(1): 39-52.
- Liddy, E., Bonzi, S., Katzer, J., & Oddy, E. (1987). A study of discourse anaphora in scientific abstracts. *Journal of the American Society for Information Science*, 38(4), 255-261.
- Lin, C-Y. (1997). *Robust Automated Topic Identification*. University of Southern California, Ph.D. Thesis. [Availabe at: <http://www.isi.edu/%7Ecyl/papers/thesis97.pdf>. Cited July 14, 2004.]
- Lin, N. & Garvey, W.D. (1972). Information needs and uses. In: Cuadra, C.A. & Luke, A.W. (Eds.) [ARIST 7]: 5-37.
- Lin, X. (1997). Map displays for information retrieval. *Journal of the American Society for Information Science*, 48(1): 40-54

-
- Lin, X., White, M.D. & Buzydowski, J. (2003). Real-time author co-citation mapping for online searching. *Information Processing & Management*, 39(5): 689-706.
- Line, M.B. /1974). Draft definitions. *Aslib Proceedings*, 26(2): 87.
- Lipetz, Ben-Ami (1970). Information needs and uses. In: Cuadra, C.A. & Luke, A.W. (Eds.) [ARIST 5]: 3-32.
- Losee, R.M. (1997). A discipline independent definition of information. *Journal of the American Society for Information Science*, 48: 254-269.
- Losee, R.M. (1998). Text Retrieval and Filtering: Analytic Models of Performance, Boston, MA: Kluwer.
- Lu, X.A. & Keefer, R.B. (1995). Query expansion/reduction and its impact on retrieval effectiveness. In: Harman, D.K. (Ed.), [TREC 3]: 231-239.
- Lucarella, D. & Zanzi, A. (1993). Information retrieval from hypertext: an approach using plausible inference. *Information Processing & Management*, 29 (3): 299-312.
- Lunin, L. & Rorvig, M.E. (1999). (Ed.) Perspectives on visual information retrieval interfaces. *Journal of the American Society for Information Science*, 50: 790-834.
- Luria, A.R. (1976). *Cognitive Development: Its Cultural and Social Foundations*. London: Harvard University Press.
- Lyons, J. (1994). *Language and Linguistics: An Introduction*. Cambridge University Press.
- Machlup, F. (1983). Semantic quirks in the studies of information. In: Machlup, F. & Mansfield, U. (Eds.). *The Study of Information*. New York, NY: Wiley: 641-672.
- Macleod, I.A. (1991). A query language for retrieving information from hierarchic text structures. *The Computer Journal*, 34(2): 197-208.
- Magennis, M. & van Rijsbergen, C.J. (1997). The potential and actual effectiveness of interactive query expansion. In: Belkin, N. J., Narasimhalu, A. D. & Willett, P. (Eds.) [ACM SIGIR 20]: 324-332.
- Maglaughlin, K.L. & Sonnenwald, D.H. (2002). User perspectives on relevance criteria: A comparison among relevant, partially relevant, and not-relevant judgments. *Journal of the American Society for Information Science and Technology*, 53(5): 327-342.
- Mai, J-E. (2001). Semiotics and indexing: An analysis of the subject indexing process. *Journal of Documentation*, 57(5): 591-622.
- Marchionini, G. (1989). Information seeking strategies of novices using a full-text electronic encyclopedia. *Journal of the American Society for Information Science*, 40(1): 54-66.
- Marchionini, G. (1995). *Information Seeking in Electronic Environments*. Cambridge, MA: Cambridge University Press.
- Marchionini, G., Dwiggins, S., Katz, A. & Lin, X (1993). Information seeking in full-text end-user-oriented search-systems: the roles of domain and search expertise. *Library & Information Science Research*, 15(1): 35-69.

- Marchionini, G. & Komlodi, A. (1998). Design of interfaces for information seeking. In: Williams, M.E. (Ed.) [ARIST 33]: 89-130.
- Marchionini, G., Lin, X. & Dwiggins, S. (1990). Effects of search and subject expertise on information seeking in a hypertext environment. In: Henderson, D. (Ed.) [ASIS 53]: 129-141.
- Marcus, R. (1982). User assistance in bibliographic retrieval networks through a computer intermediary. *IEEE Transactions on Systems, Man, and Cybernetics, SCM-12*(2): 116-133.
- Marcus, R. & al. (1971). The user interface for the INTREX retrieval system. In: Walker, D. (Ed.) *Interactive Bibliographic Search*. Montvale, NJ: AFIPS Press: 159-202.
- Markkula, M. & Sormunen, E., (1998). Searching for photos - journalistic practices in pictorial IR. In: Eakins, J.P., et al. (Eds), *The Challenge of Image Retrieval: A Workshop and Symposium on Image Retrieval*. University of Northumbria at Newcastle, Newcastle upon Tyne, 5-6 Feb, 1998. [Available at <http://www.ewic.org.uk/ewic/workshop/view.cfm/CIR-98> . Cited Apr. 15, 2004.]
- Martin, S. (1976), Ed. *Information & Politics: Proceedings of 38th Annual Meeting of the American Society for Information Science, vol. 13(1) (ASIS 38)*. Washington DC: American Society for Information Science.
- Martyn, J. (1974). Information needs and uses. In: Cuadra, C.A., Luke, A.W. & Harris, J.L. (Eds.) [ARIST 9]: 3-23.
- Martyn, J. & Lancaster F.W. (1981). *Investigative Methods in Library and Information Science: An Introduction*. Arlington, VA: Information Resources Press.
- Matthews, P.H. (1997). *The concise Oxford Dictionary of Linguistics*. Oxford - New York: Oxford University Press.
- McCain, K.W. (1989). Descriptor and citation retrieval in the medicine behavioral sciences literature: Retrieval overlaps and novelty distribution. *Journal of the American Society for Information Science*, 40: 110-114.
- McCrory, A.T. & Nelson, S.J. (1995). The representation of meaning in the UMLS. *Methods of Information in Medicine*, 34: 193-201.
- McGill, M.J. & Koll, M. (1983), Eds. *Proceedings of the 5th ACM-SIGIR International Conference on Research and Development in Information Retrieval, (ACM SIGIR 5)*. New York, NY: ACM Press.
- McKinin, E. J., Sievert, M.-E., Johnson, E.D. & Mitchell, J.A. (1991). The Medline/Full-Text Research Project. *Journal of the American Society for Information Science*, 42(4): 297-307.
- Meadow, C.T. (1992). *Text Information Retrieval Systems*. San Diego, CA: Academic Press.
- Meadow, C.T. & al. (1982). A computer interface for interactive database searching. I: Design; II: Evaluation. *Journal of the American Society for Information Science*, 33: 325-332; 357-364.
- Menzel, H. (1966). Information needs and uses. In: Cuadra, C.A. (Ed.) [ARIST 4]: 1-29.

- Mick, C.K., Lindsey, G.N., & Callahan, D. (1980). Toward usable user studies. *Journal of the American Society for Information Science*, 31(5): 347-365.
- Mitra, M., Buckley, C., Singhal, A. & Cardie, C. 1997. An analysis of statistical and syntactic phrases. In: Devroye, L. & Chrisment, C. (Eds.) *Proceedings of RIAO'97, Computer Assisted Information Searching on the Internet*, Montreal, Canada: 200-214.
- Mitra, M., Singhal, A. & Buckley, C. (1998). Improving automatic query expansion. In: Croft, W.B. et al. (Eds.) [ACM SIGIR 21]: 206–214.
- Mizzaro, S. (1996). A cognitive analysis of information retrieval. In: Ingwersen, P. & Pors, N.O. (Eds.) [CoLIS 2]: 233-250.
- Mizzaro, S. (1997). Relevance: The Whole History. *Journal of the American Society for Information Science*, 48(9): 810-832.
- Moens M-F. (2000). *Automatic Indexing and Abstracting of Document Texts*. Boston, MA: Kluwer.
- Murtonen, K. (1994). *Ammatilliset tiedontarpeet ja tiedonhankinta tutkimuskohteenä : Tutkimus tehtävän kompleksisuuden vaikutuksista tiedontarpeisiin ja tiedonhankintaan* [Professional information needs and information seeking as study objects : A study on the effects of task complexity on information needs and information seeking]. Tampere, Finland: University of Tampere, Department of Information Studies. Lic.Soc.Sci. Thesis. [in Finnish]
- Nascimento, M.A., de Moura, E.S., Oliveira, A.L. (2003), Eds. *Proceedings of the 10th International Symposium, SPIRE 2003*. Manaus, Brazil, October 2003. Berlin: Springer, Lecture Notes in Computer Science 2857.
- Nielsen netratings* (2003) [Available at <http://www.nielsen-netratings.com/> . Cited May 28, 2003.]
- Nielsen, M.L (2000). Domain analysis, an important part of thesaurus construction. Methodologies and approaches. In: Soergel, D, Srinivasan, P, Kwasnik, B, (Eds.), *Proceedings of the 11th ASIS&T SIG/CR Classification Research Workshop*, November 12, 2000: 9-50. [Available at <http://uma.info-science.uiowa.edu/sigcr/papers/sigcr00lykke.doc>. Cited May 8, 2001.]
- Nielsen, M.L. (2001). A framework for work task based thesaurus design. *Journal of Documentation*, 57(6): 774-797.
- Nielsen, M.L. (2002). *The Word Association Method: A Gateway to Work-Task Based Retrieval*. Åbo, Finland: Åbo Akademi University Press. Ph.D. Thesis.
- NIST: National Institute of Standards and Technology (2001). USA. [The TREC Web site <http://trec.nist.gov/pubs.html>. Cited Nov. 18, 2001.]
- Nordlie, R. (1999). User revealment: A comparison of initial queries and ensuing question development in online searching and in human reference interactions. In: Gey, F., Hearst, M. & Tong, R. (Eds.) [ACM SIGIR 22]: 11-18.
- Norman, D. (1988). *The Psychology of Everyday Things*. New York, NY: Basic Books.
- Nowell, L.T., France, R.K., Hix, D., Heath, L.S., & Fox, E.A. (1996). Visualizing search results: some alternatives to query-document similarity. In: Frei, H.P., Harman, D., Schaüble, P. & Wilkinson, R. (Eds.) [ACM SIGIR 19]: 67-75.
- Noyons, E., van Raan, A.F.J. & Anthony, F.J. (1998). Monitoring scientific developments from a dynamic perspective: Self-organized structuring to map neu-

- ral network research. *Journal of the American Society for Information Science*, 49(1): 68-81.
- Nurminen, Riitta (1986). *Suomen kielen sanamuotoja tulkitsevien ohjelmien hyödyntäminen tiedonhakujärjestelmissä* [The application of Finnish word form interpretation programs in information retrieval systems]. Espoo, Finland: Technical Research Centre of Finland, Research reports 386. [in Finnish]
- Oddy, R.N. (1977a). Information retrieval through man-machine dialogue. *Journal of Documentation*, 33: 1-14.
- Oddy, R.N. (1977b). Retrieving references by dialogue rather than by query formulation. *Journal of Information Science: Principles and Practice*, 1: 37-53.
- Oddy, R.N., Liddy, E.D., Balakrishnan, B., Bishop, A. Elewononi, J. & Martin, E. (1992). Towards the use of situational information in information retrieval. *Journal of Documentation*, 48: 123-171.
- Olsen, K. A., Korfhage, R. R., Sochats, K. M., Spring, M. B. & Williams, J. G. (1993). Visualization of a document collection: The VIBE system. *Information Processing & Management*, 29(1):69-81.
- Over, P. (1997). TREC-5 Interactive Track Report. In: Voorhees, E. & Harman, D. (Eds.) [TREC 5]: 29-56.
- Over, P. (1999). TREC-7 Interactive Track Report. In: Voorhees, E. & Harman, D. (Eds.) [TREC 8]: 65-72.
- Page, L. et al. (1998). *The PageRank citation ranking: Bringing order to the Web*. [Available at <http://dbpubs.stanford.edu:8090/pub/1999-66>. Cited Aug. 12, 2003.]
- Paice, C.D. (1991a). A thesaural model of information retrieval. *Information Processing & Management*, 27: 433-447.
- Paice, C.D. (1991b). The rhetorical structure of expository texts. In: Jones, K.P. (Ed.), *Proceedings of the Informatics 11 Conference*, York, March 20-22, 1991. London: Aslib: 1-26.
- Paice, C.D. & Jones, P.A. (1993). The identification of important concepts in highly structured technical papers. In: Korfhage, R. Rasmussen, E. & Willett, P. (Eds), [ACM SIGIR 16]: 69-78.
- Paisley, W. (1968). Information needs and uses. In: Cuadra, C.A. (Ed.) [ARIST 3]: 1-30.
- Palmquist, R.A. & Kim, K.S. (2000). The effect of cognitive style and online search experience on Web search performance. *Journal of the American Society for Information Science*, 51: 558-567.
- Pao, M. (1993). Term and citation searching: A field study. *Information Processing & Management*, 29(1): 95-112.
- Pao, M. (1994). Relevance odds of retrieval overlaps from seven search fields. *Information Processing & Management*, 30(3): 305-314.
- Park, S. (2000). Usability, user preferences, effectiveness, and user behaviors when searching individual and integrated full-text databases: implications for digital libraries. *Journal of the American Society for Information Science*, 51(5): 456-468.
- Park, T.K. (1993). The nature of relevance in information retrieval: An empirical study. *Library Quarterly*, 63(3): 318-351.

-
- Partridge, D. & Hussain K. (1995). *Knowledge Based Information-Systems*. London: McGraw-Hill.
- Pazienza, M.T. (1997), Ed. *Information extraction: A multidisciplinary approach to an emerging information technology*. Berlin: Springer, Lecture notes in computer science, vol. 1299.
- Pejtersen, A.M. (1980). Design of a classification scheme for fiction. In: Harbo, O. & Kajberg, L. (Eds.): 146-159.
- Pejtersen, A.M. (1989). A library system for information retrieval based on a cognitive task analysis and supported by an icon-based interface. *ACM Sigir Forum*, June 1989: 40-47.
- Pejtersen, A.M. (1991). *Interfaces Based on Associative Semantics for Browsing in Information Retrieval*. Roskilde, Denmark: Risø National Laboratory, Report Risø-M-2883.
- Pejtersen, A.M. (1999). Icons for representation of domain knowledge in interfaces. In: Fugmann, R. (Ed.): (no pages).
- Pejtersen, A.M. & Fidel, R. (1999). *A Framework for Work-Centred Evaluation and Design: A Case Study of IR on the Web*. Glasgow, UK: University of Glasgow, Department of Computing Science, Working paper for MIRA Workshop TR-1999-35.
- Pejtersen, A.M. & Rasmussen, J. (1997). Ecological information systems and support of learning: Coupling work domain information to user characteristics. In: Helander, M.G., Landauer, T.K. & Prabhu, P.V. (Eds.), *Handbook of Human-Computer Interaction*. Amsterdam, Netherlands: Elsevier: 315-345.
- Peters, H.P.F., Braam, R.R. & Van Raan, A.F.J. (1995). Cognitive resemblance and citation relations in chemical-engineering publications. *Journal of American Society for Information Science*, 46(1): 9-21.
- Pharo, N. (1999). Web information search strategies: A model for classifying web interaction. In: Aparac, T. et al. (Eds.) [CoLIS 3]: 207-218.
- Pharo, N. (2002). *The SST method schema: a tool for analysing Web information search processes*. Tampere: University of Tampere, Ph.D. Thesis. [Available at <http://acta.uta.fi/english/teos.phtml?6719>. Cited Apr. 15, 2004.]
- Pharo, N. & Järvelin, K. (2004). The SST method: a tool for analyzing Web information search processes. *Information Processing & Management*, 40: 633-654.
- Pirkola, A. (1998). The effects of query structure and dictionary setups in dictionary-based cross-language information retrieval. In: Croft, W. B. et al. (Eds.) [ACM SIGIR 21]: 55-63.
- Pirkola, A. (1999). *Studies on Linguistic Problems and Methods in Text Retrieval*. Tampere, Finland: University of Tampere, Ph.D. Thesis.
- Pirkola, A. (2001). Morphological Typology of Languages for Information Retrieval. *Journal of Documentation*, 57(3): 330-348.
- Pirkola, A. & Järvelin, K. (1996a). The effect of anaphor and ellipsis resolution on proximity searching in a text database. *Information Processing & Management*, 32(2): 199-216.

- Pirkola, A. & Järvelin, K. (1996b). Recall and precision effects of anaphor and ellipsis resolution in proximity searching in a text database. In: Ingwersen, P. & Pors, N.O. (Eds.) [CoLIS 2]: 459-475.
- Pirkola, A. & Järvelin, K. (2001). Employing the resolution power of search keys. *Journal of the American Society for Information Science and Technology*, 52(7): 575-583.
- Pirkola, A. & Toivonen, J. & Keskustalo, H. & Visala, K. & Järvelin, K. (2003). Fuzzy Translation of Cross-Lingual Spelling Variants. In: Callan, J. et al. (Eds.) [ACM SIGIR 26]: 345-352.
- Piternick, A.B. (1984). Searching vocabularies: a developing category of online search tools. *Online Review*, 8(5):441-449.
- Ponte, J. & Croft, W. B. (1998). A language modeling approach to information retrieval. In: Croft, W. B. et al. (Eds.) [ACM SIGIR 21]: 275-281.
- Popovič, M. & Willett, P. (1992). The effectiveness of stemming for natural-language access to Slovene textual data. *Journal of the American Society for Information Science*, 43: 384-390.
- Popper, K. (1973). *Objective Knowledge: An Evolutionary Approach*. Oxford, UK: Clarendon Press.
- Pors, N.O. (2000). Information retrieval, experimental models and statistical analysis. *Journal of Documentation*, 56(1): 55-70.
- Preece et al., (1994). *Human-computer Interaction*. Wokingham, UK: Addison-Wesley.
- Preston, C. (1998), Ed. *Proceedings of the 61st ASIS Annual Meeting (ASIS 61)*. Medford, NJ: Information Today.
- Qiu, L. (1993a). Analytical searching vs. browsing in hypertext information retrieval systems. *The Canadian Journal of Information and Library Science*, 18(4): 1-13.
- Qiu, L. (1993b). Markov models of search state patterns in a hypertext information retrieval system. *Journal of the American Society for Information Science*, 44(7): 413-427.
- Rabitti, F. (1986), Ed. *Proceedings of the Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR 9)*. Pisa, IT: University of Pisa.
- Rada, R. & Murphy, C. (1992). Searching versus browsing in hypertext. *Hypermedia*, 4(1): 1-30.
- Rajashekhar, T.B. & Croft, W.B. (1995). Combining automatic and manual index representations in probabilistic retrieval. *Journal of the American Society for Information Science*, 56(4): 272-283.
- Rasmussen E.M. (1997). Indexing images. In: Williams M.E. (Ed.) [ARIST 32]: 169-196.
- Rasmussen, E.M. (2002). Indexing and Retrieval for the Web. In: Cronin, B. (Ed.) [ARIST 37]: 91-124.
- Rasmussen, J. (1990). Models for the design of computer integrated manufacturing systems: the human perspective. *International Journal of Industrial Ergonomics*, 5(1): 5-16.

-
- Rasmussen, J., Pejtersen, A.M. & Goodstein, L.P. (1992). *Cognitive Engineering: Concepts and Applications*. New York, NY: Wiley.
- Rasmussen, J., Pejtersen, A.M. & Goodstein, L.P. (1994). *Cognitive Systems Engineering*. New York, NY: Wiley.
- Rau, L. F., Jacobs, P.S. & Zemik, U. (1989). Information extraction and text summarization using linguistic knowledge acquisition. *Information Processing & Management*, 25(4), 419-428.
- Rees, A.M. & Schultz, D.G. (1967). *A field experimental approach to the study of relevance assessments in relation to document searching*. Cleveland: Case Western Reserve University.
- RIA0 2000. *RIA0'2000 Conference proceedings: Content-based multimedia information access*. Paris: C.I.D.
- RIA0 2004. *Coupling Approaches, Coupling Media aAnd Coupling Languages for Information Retrieval, Proceedings of RIAO 2004 conference*. Paris: C.I.D.
- Rich, R.F. (1983). Management and problem solving styles: An assessment on information system designs. In: Debons, A. & Larson, A.G. (Eds.), *Information Science in Action: System Design*. Boston, MA: Nijhoff: 240-264.
- Rieh, S.Y. (2002). Judgment of information quality and cognitive authority in the Web. *Journal of the American Society for Information Science and Technology*, 53(2): 145-161.
- Robertson, A.M. & Willett, P. (1998). Applications of n-grams in textual information systems. *Journal of Documentation*, 54(1): 48-69.
- Robertson, S.E. (1977). The probability ranking principle in IR. *Journal of Documentation*, 33(4): 294-304.
- Robertson, S.E. (1997a), (Ed.). Special issue on the OKAPI projects. *Journal of Documentation*, 53(1).
- Robertson, S.E. (1997b). Overview of the OKAPI projects. In: Robertson, S.E. (1997a), (Ed.): 3-7.
- Robertson, S.E. (2000). Salton Award lecture: On theoretical argument in information retrieval. *SIGIR Forum*, 34(1), Fall 2000 [Available at <http://www.acm.org/sigir/forum/F2000-TOC.html>]. Cited Jan. 29, 2001].
- Robertson, S.E. & Hancock-Beaulieu, M. (1992). On the evaluation of IR systems. *Information Processing & Management*, 28(4): 219-236.
- Robertson, S.E., Walker, S. & Hancock-Beaulieu, M. (1995). Large test collection experiments on an operational, interactive system: OKAPI at TREC. *Information Processing & Management*, 31(3): 345-360.
- Robins, D. (2000). Shifts of focus on various aspects of user information problems during interactive information retrieval. *Journal of the American Society for Information Science*, 51(10): 913-928.
- Rocchio, J.J. Jr. (1971). Relevance feedback in information retrieval. In: Salton, G. (Ed.), *The Smart System - Experiments in Automatic Document Processing*. Englewood Cliffs, NJ: Prentice-Hall: 313-323.
- Rowley, J.E. (1988). *Abstracting and Indexing*. 2nd Ed. London, UK: Bingley.

- Ruthven, I. (2001). *Abduction, Explanation and Relevance Feedback*. Glasgow, UK: Department of Computing Science, University of Glasgow, 2001. Ph.D. Thesis.
- Ruthven, I., Lalmas, M. & van Rijsbergen, K. (2001a). Empirical investigations on query modification using abductive explanations. In: Croft, W.B. et al. (Eds.) [ACM SIGIR 24]: 181-189.
- Ruthven, I., Lalmas, M. & van Rijsbergen, K. (2001b). Combining and selecting characteristics of information use. *Journal of the American Society for Information Science and Technology*, 53(5): 378-396.
- Ruthven, I., Lalmas, M. & van Rijsbergen, K. (2002). Ranking expansion terms with partial and ostensive evidence. In: Bruce, H. et al. (Eds.) [CoLIS4]: 199-220.
- Ruthven, I., Lalmas, M. & van Rijsbergen, K. (2003). Incorporating user search behaviour into relevance feedback. *Journal of the American Society for Information Science and Technology*, 54(6): 529-549.
- Salminen, A., Tague-Sutcliffe, J. & McClellan, C. (1995). From text to hypertext by indexing. *ACM Transactions on Information Systems (ACM TOIS)*, 13(1): 69-99.
- Salton, G. (1968a). *Automatic Information Organization and Retrieval*. New York, NY: McGraw-Hill.
- Salton, G. (1968b). A comparison between manual and automatic indexing methods. *American Documentation*, 20(1): 61-71.
- Salton, G. (1989). *Automatic Text Processing: The Transformation, Analysis And Retrieval of Information by Computer*. Reading, MA: Addison-Wesley.
- Salton, G., Allan, J. & Buckley, C. (1993). Approaches to passage retrieval in full text information systems. In: Korfhage, R. et al. (Eds.) [ACM SIGIR 16]: 49-58.
- Salton, G., Allan, J., Buckley, C. & Singhal, A. (1994). Automatic analysis, theme generation, and summarization of machine-readable texts. *Science*, 264: 1421-1426.
- Salton, G. & McGill, J.M. (1983). *Introduction to Modern Information Retrieval*. New York, NY: McGraw-Hill.
- Sampson, E. (1993). *Celebrating the Other: a Dialogic Account of Human Nature*. Boulder, CO: Westview Press.
- Sanderson, M. (1994). Word sense disambiguation and information retrieval. In: Croft, W.B. & van Rijsbergen, C.J. (Eds.) [ACM SIGIR 17]: 142-151.
- Saracevic, T. (1975). Relevance: A review of and framework for the thinking on the notion in information science. *Journal of the American Society for Information Science*, 26(6): 321-343.
- Saracevic, T. (1990). *Information Science Revisited: Contemporary Reflection on its Origin, Evolution and Relations*. New Brunswick, NJ: Rutgers University, School of Communication, Information and Library Studies, Res. Rep. Ser. No. 90-24.
- Saracevic, T. (1992). Information Science: Origin, Evolution and Relations. In: Vakkari, P. & Cronin, B. (Eds.) [CoLIS 1]: 5-27.

- Saracevic, T. (1996). Relevance reconsidered '96. In: Ingwersen, P. & Pors, N.O. (Eds.) [CoLIS 2]: 201-218.
- Saracevic, T. & Kantor, P. (1988a). A study of information seeking and retrieving. II. Users, questions, and effectiveness. *Journal of the American Society for Information Science*, 39(3): 177-196.
- Saracevic, T. & Kantor, P. (1988b). A study of information seeking and retrieving. III. searchers, searches, and overlaps. *Journal of the American Society for Information Science*, 39(3): 197-216.
- Saracevic, T., Kantor, P., Chamis, A. & Trivison, D. (1988). A study of information seeking and retrieving. I. Background and methodology. *Journal of the American Society for Information Science*, 39(3): 161-176.
- Saracevic, T., Mokros, H. & Su, L. (1990). Nature of interaction between users and intermediaries in online searching: A qualitative analysis. In: Henderson, D. (Ed.) [ASIS 27]: 47-54.
- Saracevic, T., Mokros, H., Su, L., & Spink, A. (1991). Nature of interaction between users and intermediaries in online searching. In: Williams, M.E., (Ed.), *Proceedings of the 12th National Online Meeting May 7-9, 1991 New York*. Medford, NJ: Learned Information: 329-341.
- Saracevic, T. & Su, L. (1989). Modeling and measuring user-intermediary-computer interaction in online searching: Design of a study. In: *Proceedings of the 52nd Annual Meeting of the American Society for Information Science* 26: 75-80.
- Saunders, C. & Jones, J.W. (1990). Temporal sequences in information acquisition for decision making: A focus on source and medium. *Academy of Management Review*, 15(1): 29-46.
- Savage-Knapshield, P. & Belkin, N.J. (1999). Interaction in information retrieval: trends over time. *Journal of the American Society for Information Science*, 50(12): 1067-1082.
- Savolainen, R. (1992). The sense-making theory: An alternative to intermediary-centered approaches in library and information science? In: Vakkari, P. & Cronin, B. (Eds.) [CoLIS 1]: 149-164.
- Savolainen, R. (1993). The sense-making theory: Reviewing the interests of a user-centered approach to information seeking and use. *Information Processing & Management*, 29(1): 13-28.
- Savoy, J. (1999). A stemming procedure and stopword list for general French corpora. *Journal of the American Society for Information Science*, 50: 944-952.
- Schamber, L. (1991). Users' criteria for evaluation in a multimedia environment. In: Griffiths, J.-M. (Ed.), *ASIS '91: Proceedings of the American Society for Information Science (ASIS) 54th Annual Meeting*. Medford, NJ, Learned Information: 126-133.
- Schamber, L. (1994). Relevance and information behavior. In: Williams, M. (Ed.) [ARIST 29]: 3-48.
- Schamber, L. (2000). Time-line interviews and inductive content analysis: Their effectiveness for exploring cognitive behaviors. *Journal of the American Society for Information Science*, 51(8), 734-744.

- Schamber, L., Eisenberg, M.B. & Nilan, M.S. (1990). A re-examination of relevance: toward a dynamic, situational definition. *Information Processing & Management*, 26(6): 755-776.
- Schneider, J.W. (2004). *Verification of Bibliometric Methods' Applicability for Thesaurus Construction*. Copenhagen, DK: Royal School of Library and Information Science Ph.D. Thesis. [Available at: <http://biblis.db.dk/uhtbin/hyperion.exe/db.jessch04> . Cited Apr. 15, 2005.]
- Schön, D.A. (1990). *Educating the Reflective Practitioner*. San Francisco, CA: Jossey-Bass Publishers.
- Searle, J.R. (1984a). Intentionality and its place in nature. *Synthese*, 61: 3-16.
- Searle, J.R. (1984b). *Minds, Brains and Science*. Cambridge, MA: Harvard University Press.
- Shannon, C.E. & Weaver, W. (1949). *The Mathematical Theory of Communication*. Urbana, IL: University of Illinois Press.
- Shaw, W.M., Wood, J.B. & Tibbo, H.R. (1991). The cystic fibrosis database: content and research opportunities. *Library & Information Science Research*, 13: 347-366. [Test collection available at <http://www.dcc.ufmg.br/irbook/cfc.html>]
- Sheridan, P. & Smeaton, A.F. (1992). The application of morpho-syntactic language processing to effective phrase matching. *Information Processing & Management*, 28(3): 349-369.
- Shneidermann, B. (1998). *Designing the User Interface: Strategies for Effective Human-Computer Interaction*: Third Edition. Reading, MA: Addison-Wesley.
- Shneiderman, B., Byrd, D. & Croft, W.B. (1997). Clarifying search: A user-interface framework for text searches. *D-Lib Magazine*, 1: 1-18. [<http://www.dlib.org/dlib/january97/retrieval/01shneiderman.html> . Cited Apr. 15, 2005.]
- Siegel, S. & Castellan, N.J. (1988). Non-parametric Statistics for the Behavioral Sciences. Singapore: McGraw-Hill.
- Sihvonen, A. & Vakkari, P. (2004). Subject knowledge, thesaurus-assisted query expansion and search success. In: RIAO 2004: 393-404.
- Silverstein, C., Henzinger, M., Marais, H. & Moricz, M. (1999). Analysis of a Very Large Web Search Engine Query Log. *SIGIR Forum*, 33(1): 6-12.
- Skov, M., Pedersen, H., Larsen, B. & Ingwersen, P. (2004). Testing the principle of polyrepresentation. In: Larsen, B. (Ed.) *Information Retrieval in Context, Proceedings of the SIGIR 2004 IRIX Workshop*, Sheffield UK, July 2004: 47-49. [Available at http://ir.dcs.gla.ac.uk/context/IRinContext_WorkshopNotes_SIGIR2004.pdf . Cited Apr. 15, 2004.]
- Sloane, D. (2000). Encounters with the OPAC: online searching in public libraries. *Journal of the American Society for Information Science*, 8: 757-773.
- Sloane, D. (2003). The influence of mental models and goals on search patterns during Web interaction. *Journal of the American Society for Information Science and Technology*, 53(13): 1152-1169.
- Smeaton, A. (1992). Progress in the application of natural language processing to information retrieval tasks. *Computer Journal*, 35:268-278.

- Smeaton, A. (1998). Independence of contributing retrieval strategies in data fusion for effective information retrieval. In: *Proceedings of the 20th BCS IRSG Colloquium*, Autrans, France, 1998. Bonn: Springer-Verlag, Electronic Workshops in Computing: 268-278.
- Sormunen, E. (2000a). *A Method for Measuring Wide Range Performance of Boolean Queries in Full-Text Databases*. Tampere: University of Tampere, Doctoral Thesis. Acta Electronica Universitatis Tamperensis, [Available at <http://acta.uta.fi/pdf/951-44-4732-8.pdf> . Cited Apr. 15, 2005.]
- Sormunen, E. (2000b). A novel method for the evaluation of Boolean query effectiveness across a wide operational range. In: Belkin, N.J., Ingwersen, P. & Leong, M.-K. (Eds.) [ACM SIGIR 23]: 25-32.
- Sormunen, E. (2002). Liberal relevance criteria of TREC – Counting on negligible documents? In: Beaulieu, M. et al (Eds.) [ACM SIGIR 25]: 320-330.
- Sormunen, E., Kekäläinen, J., Koivisto, J. & Järvelin, K. (2001). Document text characteristics affect the ranking of the most relevant documents by expanded structured queries. *Journal of Documentation*, 57: 358-376.
- Sormunen, E., Markkula, M. & Järvelin, K. (1999). The perceived similarity of photos - Seeking a solid basis for the evaluation of content-based retrieval algorithms. In: Draper, S.W Dunlop, M.D Ruthven, I. & Van Rijsbergen, C.J. (Eds.), *Proceedings of Mira 99: Evaluating Interactive Information Retrieval (Glasgow April 1999)*, published in *Electronic Workshops in Computing*, April 1999. [available at <http://ewic.bcs.org/conferences/1999/mira99/> . Cited Apr. 15, 2005.]
- Sowizral, H.A. (1985). Expert systems. In: Williams, M.E. (Ed.) [ARIST 20]: 179-199.
- Sparck Jones, K. (Ed.) (1981). *Information Retrieval Experiment*. London, UK: Butterworths.
- Sparck Jones, K. (1987). Architecture problems in the construction of expert systems for document retrieval. In: Wormell, I. (Ed.) *Knowledge Engineering*. London, UK: Taylor Graham: 34-52.
- Sparck Jones, K. (1995). Reflection on TREC. *Information Processing & Management*, 31(3): 291–314.
- Sparck Jones, K. (2001). *Natural Language Processing: A Historical Review*. [Available at <http://www.cl.cam.ac.uk/users/ksj/histdw4.pdf> . Cited Nov. 19, 2003.]
- Sparck Jones, K. & Kay, M. (1973). *Linguistics and information science*. New York, NY: Academic Press.
- Spark Jones, K. & van Rijsbergen, C.J. (1976). Information retrieval test collections. *Journal of Documentation*, 32(1): 59-75.
- Sparck Jones, K. & Willett, P. (1997), Eds. *Readings in Information Retrieval*. San Francisco, CA: Morgan Kaufman.
- Spink, A. (1996). Multiple search sessions model of end-user behavior: An exploratory study. *Journal of the American Society for Information Science*, 47: 603-609.

- Spink, A. (1997a). Study of interactive feedback during mediated information retrieval. *Journal of the American Society for Information Science*, 48(5): 382-394.
- Spink, A. (1997b). Information science: A third feedback framework. *Journal of the American Society for Information Science*, 48(8): 728-740.
- Spink, A. (2002). A user-centered approach to evaluating human interaction with Web search engines: An exploratory study. *Information Processing & Management*, 38: 401-426.
- Spink, A. & Cool, C., (2002), Eds. IR in Context. (special issue). *Information Processing & Management*, 38(5): 605-742.
- Spink, A., Goodrum, A. & Robins, D. (1998). Elicitation behavior during mediated information retrieval. *Information Processing & Management*, 34: 257-273.
- Spink, A., Goodrum, A., Robins, D. & Wu, M-M. (1996). Elicitations during information retrieval: Implications for IR system design. In: Frei, H.P. et al. (Eds.) [ACM SIGIR 19]: 120-127.
- Spink, A., Greisdorf, H. & Bateman, J. (1998). From highly relevant to not relevant: Examining different regions of relevance. *Information Processing & Management*, 34(5): 599-621.
- Spink, A. & Losee, R.M. (1996). Feedback in information retrieval. In: Williams, M.E. (Ed.) [ARIST 31]: 33-78.
- Spink, A. & Saracevic, T. (1997). Interaction in information retrieval: selection and effectiveness of search terms. *Journal of the American Society for Information Science*, 48(8): 741-761.
- Spink, A. & Saracevic, T. (1998). Human-computer interaction in information retrieval: Nature and manifestations of feedback. *Interacting with Computers*, 10: 249-267.
- Spink, A., Wilson, T., Ellis, D. & Ford, N. (1998). Modelling users' successive searches in digital environments. *D-lib Magazine*, 4(4). [Available at <http://www.dlib.org/dlib/april98/04spink.html>. Cited Nov. 15, 2001.]
- Spink, A., Wolfram, D., Jansen, B. J. & Saracevic, T. (2001). Searching the Web: the public and their queries. *Journal of the American Society for Information Science & Technology*, 52(3): 226-234.
- Stegmüller, W. (1976). *The Structure and Dynamics of Theories*. New York: Springer.
- Steier, A. M. & Belew, R.K. (1993). Exporting phrases: a statistical analysis of topical language. In: Casey, R. & Croft, B. (Eds.) *Proceedings of the 2nd Symposium on Document Analysis and Information Retrieval*. Las Vegas, NV: 179-190.
- Strzalkowski, T. (1995). Natural language information retrieval. *Information Processing & Management*, 31(3): 397-417.
- Strzalkowski, T. (1999), Ed. *Natural Language Information Retrieval*. Boston, MA: Kluwer.
- Strauss, A. & Corbin, J. (1990). *Basics of Qualitative Research: Grounded Theory Procedures and Techniques*. Newbury Park, CA: Sage.

- Strong, G.W. & Drott, M.C. (1986). A thesaurus for end-user indexing and retrieval. *Information Processing & Management*, 22(6):487-492.
- Su, L. (1994). The relevance of recall and precision in user evaluation. *Journal of the American Society for Information Science*, 45: 207-217.
- Su, L. (2003). A comprehensive and systematic model of user evaluation of web search engines: I. Theory and background. *Journal of the American Society for Information Science and Technology*, 54(13): 1175-1192.
- Suchman, L.A. (1987). *Plans and Situated Actions: The Problem of Human-Machine Communication*. Cambridge, UK: Cambridge University Press.
- Sugar, W. (1995). User-centered perspective of information retrieval research and analysis methods. In: Williams, M.E. (Ed.) [ARIST 30]: 77-109.
- Suominen, V. (1998). *Filling Empty Space: A Treatise on Semiotic Structures in Information Retrieval, in Documentation, and in Related Research*. Oulu, Finland: University of Oulu, Acta Universitatis Ouluensis: Humaniora B 27.
- Sutcliffe, A.G. & Ennis, M. (1998). Towards a cognitive theory of IR. *Interacting with Computers*, 10: 321-351.
- Sutcliffe, A.G., Ennis, M. & Watkinson, S.J. (2000). Empirical studies of end-user information searching. *Journal of the American Society for Information Science*, 51(13): 1211-1231.
- Sutton, S. (1994). The role of attorney mental models of law in case relevance determinations: An exploratory analysis. *Journal of the American Society for Information Science*, 45: 186-200.
- Swanson, D.R. (1986). Subjective versus objective relevance in bibliographic retrieval systems. *Library Quarterly*, 56: 389-398.
- Tague-Sutcliffe, J. (1992), Ed. Special topic issue: Evaluation of information retrieval systems. *Journal of the American Society for Information Science*, 38(1): 1-105.
- Tague-Sutcliffe, J. (1992). The pragmatics of information retrieval experimentation, revisited. *Information Processing & Management*, 28: 467-490.
- Talja, S. (1997). Constituting "information" and "user" as research objects: A theory of knowledge formations as an alternative to the information man-theory. In: Vakkari, P., Savolainen, R. & Dervin, B. (Eds.) [ISIC 1]: 67-80.
- Talja, S. (1998). *Musiikki, kulttuuri, kirjasto: Diskurssien analyysi* [Music, Culture, Library: An Analysis of Discourses]. Tampere, Finland: University of Tampere, Ph.D. Thesis. [In Finnish]
- Talja, S. (1999). Analyzing qualitative interview data: The discourse analytic methods. *Library & Information Science Research*, 21(4): 459-477.
- Talja, S. (2001). *Music, Culture and the Library: An Analysis of Discourses*. Lanham, MD: Scarecrow Press.
- Talja, S. (2004). Users' library discourses. In: Kajberg, L. & Johannsen (Eds.), *New frontiers in public library research*. Lanham, MD: Scarecrow, forthcoming.
- Talja, S., Heinisuo, R., Kasesniemi, E-L., Pispa, K., Kemppainen, H., Luukkainen, S., Järvelin, K. (1998). Discourse analysis of user requests. *Communications of the ACM*, 41(4): 93-94.

- Talja, S., Heinisuo, R., Pispa, K., Luukainen, S. & Järvelin, K. (1997). Discourse Analysis in the Development of a Regional Information Service. In: Beaulieu, M. & Davenport, E. & Pors, N.O. (Eds.) *Library and Information Studies: Research and professional practice. Proceedings of the 2nd British-Nordic Conference on Library and Information Studies*, Edinburg, 1997. London: Taylor Graham: 109-128.
- Talja, S., Keso, H. & Pietikäinen, T. (1999). The production of context in information seeking research: A meta-theoretical view. *Information Processing & Management*, 35(6): 751-763.
- Tang, R., Shaw, W.M. & Vevea, J.L. (1999). Towards the identification of the optimal number of relevance categories. *Journal of the American Society for Information Science*, 50(3), 254-264.
- Tang, R. & Solomon, P. (1998). Toward an understanding of the dynamics of relevance judgment: An analysis of one person's search behavior. *Information Processing & Management*, 34: 237-256.
- Taylor, R.S. (1968). Question negotiation and information seeking in libraries. *College and Research Libraries*, 29: 178-194.
- Tenopir, C. (1985). Full text database retrieval performance. *Online Review*, 9(2): 149-164.
- Tenopir, C. (1989). *Issues in online database searching*. Englewood, CO: Libraries Unlimited.
- Thelwall, M. & Harrier, G. (2004). Do the web sites of higher rated scholars have significantly more online impact? *Journal of the American Society for Information Science and Technology*, 55(2): 149-159.
- TREC homepage (2001). *Data - English relevance judgements*. [Available at http://trec.nist.gov/data/reljudge_eng.html. Cited July 14, 2004.]
- Tuominen, K. (1997). User-centered discourse: An analysis of the subject positions of the user and the librarian. *Library Quarterly*, 67: 350-371.
- Tuominen, K. (2001). *Tiedon muodostus ja virtuaalikirjaston rakentaminen: konstruktionistinen analyysi*. [The formation of knowledge and the building of virtual library: a constructionistic analysis] Espoo, Finland: CSC Research Report R01/01. [English summary].
- Tuominen, K. & Savolainen, R. (1997). A social constructionist approach to the study of information use as discursive action. In: In: Vakkari, P., Savolainen, R. & Dervin, B. (Eds.) [ISIC 1]: 81-96.
- Tuominen, K., Talja, S. & Savolainen, R. (2002). Discourse, cognition and reality: Toward a social constructionist metatheory for library and information science. In: Bruce, H. et al. (Eds.) [COLIS 4]: 271-284.
- Tuominen, K., Talja, S. & Savolainen, R. (2003). Multiperspective digital libraries: The implications of social constructionism for the development of digital libraries. *Journal of the American Society for Information Science*, 54(6): 561-569.
- Turtle, H. & Croft, W.B. (1990). Inference methods for document retrieval. *ACM-SIGIR Forum*, June 1990: 1-24.
- Twain, M. (1965). *Life on the Mississippi*. New York, NY: Airmont Press.

- UMLS-KS (1995). *UMLS Knowledge Sources*. 6th Edition. Bethesda MD: National Library of Medicine.
- Uschold, M. & Gruninger, M. (1996). Ontologies: principles, methods and applications. *The Knowledge Engineering Review*, 11(2): 93-136.
- Vakkari, P. (1997). Information seeking in context; a challenging metatheory. In: Vakkari, P. & Savolainen, S. & Dervin, B. (Eds.) [ISIC 1]: 451-464.
- Vakkari, P. (1998). Growth of theories on information seeking: An analysis of growth of a theoretical research program on the relation between task complexity and information seeking. *Information Processing & Management*, 34: 361-382.
- Vakkari, P. (1999). Task complexity, problem structure and information actions: integrating studies on information seeking and retrieval. *Information Processing & Management*, 35(6): 819-837.
- Vakkari, P. (2000). Relevance and contributing information types of searched documents in task performance. In: Belkin, N.J. et al. (Eds.) [ACM SIGIR 23]: 2-9.
- Vakkari, P. (2001a). A theory of the task-based information retrieval process: a summary and generalization of a longitudinal study. *Journal of Documentation*, 57(1): 44-60.
- Vakkari, P. (2001b). Changes in search tactics and relevance judgments in preparing a research proposal: A summary of findings of a longitudinal study. *Information Retrieval*, 4(3/4): 295-310.
- Vakkari, P. (2003). Task based information searching. In: Cronin, B. (Ed.) [ARIST 37]: 413-464.
- Vakkari, P. & Cronin, B. (1991), Eds. *Conceptions of library and Information Science: Historical, Empirical and Theoretical Perspectives (CoLIS 1)*. London: Taylor Graham.
- Vakkari, P. & Hakala, N. (2000). Changes in relevance criteria and problem stages in task performance. *Journal of Documentation*, 56(5): 540-562.
- Vakkari, P. & Kuokkanen, M. (1997). Theory growth in information science: applications of the theory of science to a theory of information seeking. *Journal of Documentation*, 53(5): 497-519.
- Vakkari, P., Savolainen, S. & Dervin, B. (1997), Eds. *Information Seeking in Context. Proceedings of an International Conference on Research on Information Needs, Seeking and Use in Different Contexts (ISIC 1)*, 14-16 August 1996, Tampere, Finland. London: Taylor Graham.
- Van Rijsbergen, C.J. (1979). *Information Retrieval*. 2nd ed. London, UK: Butterworths.
- Van Rijsbergen, C.J. (1986). A new theoretical framework for information retrieval. In: Rabitti, F. (Ed.) [ACM SIGIR 9]: 194-200.
- Van Rijsbergen, C.J. (1989). Towards an Information Logic. In: Belkin, N.J. & van Rijsbergen, C.J. (Eds.) [ACM SIGIR 12]: 77-86.
- Van Rijsbergen, C.J. (1990). The science of information retrieval: Its methodology and logic. In: *Conf. Informatievetenschap in Nederland*. Haag: Rabin: 20-38.
- Van Rijsbergen, C.J. (1996). Information, logic, and uncertainty in information science. In: Ingwersen, P. & Pors, N.O. (Eds.) [CoLIS 2]: 1-10.

- Vickery, B.C., Robertson, S. E. & Belkin, N. J. (1975), Eds. *Final Report on International Research Forum on Information Science: The Theoretical Basis of Information Science*, 1975, July 29 - August 2. London, UK: British Library, Research & Development Department, Report No. 5233.
- Vickery, B.C. & Vickery, A. (1993). Online search interface design. *Journal of Documentation*, 49(2): 103-187.
- Vidick, J.L. (1990), Ed. *Proceedings of the 13th International Conference on Research and Development in Information Retrieval (ACM SIGIR 13)*, Brussels, Belgium, Sept 5-7, 1990. Bruxelles: ACM Press.
- Voorhees, E.M. (1993). Using WordNet to disambiguate word senses for text retrieval. In: Korfhage, R., Rasmussen, E. & Willett, P. (Eds.) [ACM SIGIR 16]: 171-180.
- Voorhees, E.M. (1994). Query expansion using lexical-semantic relations. In: Croft, W. B. & van Rijsbergen, C. J. (Eds.) [ACM SIGIR 17]: 61-69.
- Voorhees, E.M. (1998). Variations in relevance judgments and the measurement of retrieval effectiveness. In: Croft, W.B. et al. (Eds.) [ACM SIGIR 21]: 315-323.
- Voorhees, E.M. (2001a). Report on TREC-9. *SIGIR Forum*, 34(2):1-8.
- Voorhees, E.M. (2001b). Evaluation by Highly Relevant Documents. In: Croft, W.B. et al. (Eds.) [ACM SIGIR 24]: 74-82.
- Voorhees E.M. & Harman, D.K. (2000), Eds. *Proceedings of the ninth Text REtrieval Conference (TREC 9)*. Gaithersburg, MD: National Institute of Standards and Technology, NIST Special Publication 500-249.
- Voorhees E.M. & Harman, D.K. (2001), Eds. *Proceedings of the Tenth Text REtrieval Conference (TREC 10)*. NIST Special Publication 500-250.
- Voorhees, E.M. & Harman, D. (1997). Overview of the Fifth Text REtrieval conference (TREC-5). In: Voorhees, E.M. & Harman, D.K (Eds.) [TREC 5]: 1-28.
- Voorhees, E.M. & Harman, D.K. (1997), Eds. *Information technology: The Fifth Text Retrieval Conference (TREC 5)*. Gaithersburg, MD: National Institute of Standards and Technology, NIST Special Publication 500-238. [Available at: http://trec.nist.gov/pubs/trec5/t5_proceedings.html. Cited Nov. 4, 2003.]
- Voorhees, E.M. & Harman, D.K. (1998), Eds. *Proceedings of the Sixth Text REtrieval Conference (TREC 6)*. Gaithersburg, MD: National Institute of Standards and Technology, NIST Special Publication 500-240. [Available at: http://trec.nist.gov/pubs/trec6/t6_proceedings.html. Cited Nov. 4, 2003.]
- Voorhees, E.M. & Harman, D.K. (1999). Overview of the eighth text retrieval conference (TREC-8). In: Voorhees, E.M. & Harman, D.K. (Eds.) [TREC 8]: 1-24.
- Voorhees, E.M. & Harman, D.K. (1999b), Eds. *Proceedings of the Eight Text REtrieval Conference (TREC 8)*. Gaithersburg, MD: National Institute of Standards and Technology, NIST Special Publication 500-246. [Online, available at: http://trec.nist.gov/pubs/trec7/t5_proceedings.html. Cited July 14, 2004.]
- Voorhees, E.M. & Tice, D.M (1999). The TREC-8 question answering track evaluation. In: Voorhees, E.M. & Harman, D.K. (Eds.) [TREC 8]: 83-106.

- Wagner, D. & Berger, J. (1985). Do sociological theories grow? *American Journal of Sociology*, 90: 697-728.
- Wagner, D., Berger, J. & Zeldith, M. (1992), A working strategy for constructing theories. In: Ritzer, G. (Ed.), *Metatheorizing*. London: Sage: 107-123.
- Wang, P. (1997). Users' information needs at different stages of a research project: A cognitive view. In: Vakkari, P. et al. (Ed.) [ISIC 1]: 307-318.
- Wang, P. (2001). Methodologies and methods for user behavioral research. In: Williams, M.E. (Ed.) [ARIST 34]: 53-106.
- Wang, P., Berry, M.W. & Yang, Y. (2003). Mining longitudinal web queries: trends and patterns. *Journal of the American Society for Information Science and Technology*, 54(89): 743-758.
- Wang, P., Hawk, W.B. & Tenopir, C. (2000). Users' interaction with World Wide Web resources: an exploratory study using a holistic approach. *Information Processing & Management*, 36(2): 229-251.
- Wang, P. & Soergel, D. (1993). Beyond topical relevance: Document selection behavior of real users of IR systems. In: Bonzi, S. (Ed.), *ASIS '93: Proceedings of the American Society for Information Science 56th Annual Meeting: Volume 30*, October 24-28. Medford, NJ: Learned Information: 87-92.
- Wang, P. & Soergel, D. (1998). A cognitive model of document use during a research project: Study I: Document selection. *Journal of the American Society for Information Science*, 49(2): 115-133.
- Wang, P. & Tenopir, C. (1998). An exploratory study of users' interaction with World Wide Web resources: information skills, cognitive styles, affective states, and searching behaviors. In: M. E. Williams (Ed.), *Proceedings of the 19th National Online Meeting*. Medford, NJ: Information Today: 445-454.
- Wang, P. & White, M.D. (1999). A cognitive model of document use during a research project: Study II: Decisions at the reading and citing stages. *Journal of the American Society for Information Science*, 50(2): 98-114.
- Waterman, D. A. (1986). *A Guide to Expert Systems*. Reading, MA: Addison-Wesley.
- Wathen, C.N. & Burkell, J. (2002). Believe it or not: Factors influencing credibility on the Web. *Journal of the American Society for Information Science and Technology*, 53(2): 134-144.
- Wersig, G. (1971). *Information, Kommunikation, Dokumentation*. Pullach bei München, Germany: Verlag Dokumentation, 1971.
- Wersig, G. (1973a). *Informationssoziologie: Hinweise zu einem informationswissenschaftlichen Teilbereich*. Frankfurt, Germany: Athenäum Fischer.
- Wersig, G. (1973b). Zur Systematik der Benutzerforschung. *Nachrichten für Documentation*, 24(1): 10-14.
- Wetherell, M. & Potter, J. (1988). Discourse analysis and the identification of interpretive repertoires. In: Antaki, C. (Ed.) *Analysing Everyday Experience: A Casebook of Methods*. London: Sage: 168-183.
- White, H.D. & McCain, K.W. (1998). Visualizing a discipline: An author co-citation analysis of information science, 1972-1995. *Journal of the American Society for Information Science*, 49(4): 327-355.

- White, M.D. (1975). The communication behavior of academic economists in research phases. *Library Quarterly*, 45: 337-354.
- White, M.D. (1998). Questions in reference interviews. *Journal of Documentation*, 54: 443-465.
- Willett, P. (1988). Recent trends in hierachic document clustering: A critic review. *Information Processing & Management*, 24(5): 577-597.
- Williams, M.E. (1978), Ed. *Annual Review of Information Science and Technology*, vol. 13 (ARIST 13). White Plains, NY: Knowledge Industry Publications.
- Williams, M.E. (1981), Ed. *Annual Review of Information Science and Technology*, vol. 16 (ARIST 16). Medford, NJ: Learned Information.
- Williams, M.E. (1985), Ed. *Annual Review of Information Science and Technology*, vol. 20 (ARIST 20). White Plains, NY: Knowledge Industry Publications.
- Williams, M.E. (1986), Ed.), *Annual Review of Information Science and Technology*, vol. 21 (ARIST 21). White Plains, NY: Knowledge Industry Publications.
- Williams, M.E. (1987), Ed. *Annual Review of Information Science and Technology*, vol. 22 (ARIST 22). Amsterdam, NL: Elsevier.
- Williams, M.E. (1990), Ed. *Annual Review of Information Science and Technology*, vol. 25, (ARIST 25). Medford, NJ: Learned Information for the American Society for Information Science and Technology.
- Williams, M.E. (1991), Ed. *Annual Review of Information Science and Technology*: Vol. 26 (ARIST 26). Medford, NJ: Learned Information.
- Williams, M.E. (1993), Ed. *Annual Review of Information Science and Technology*, vol. 28 (ARIST 28). White Plains, NY: Knowledge Publications.
- Williams, M.E. (1994), Ed. *Annual Review of Information Science and Technology*, vol. 29 (ARIST 29). Medford, NJ: Learned Information for the American Society for Information Science.
- Williams, M.E. (1995), Ed. *Annual Review of Information Science and Technology*, vol. 30 (ARIST 30). Medford, NJ: Learned Information.
- Williams, M.E. (1996), Ed. *Annual Review of Information Science and Technology*, vol. 31 (ARIST 31). Medford, NJ: Learned Information for the American Society for Information Science.
- Williams, M.E. (1997), Ed. *Annual Review of Information Science and Technology*, vol. 32 (ARIST 32). Medford, NJ: Information Today.
- Williams, M.E., (1998), Ed. *Annual Review of Information Science and Technology*, vol. 33 (ARIST 33). Medford, NJ: Learned Information.
- Williams, M.E., (2001), Ed. *Annual Review of Information Science and Technology*, vol. 34. (ARIST 34). Medford, NJ: Learned Information for the American Society for Information Science.
- Williams, M.E., (2001b), Ed. *Annual Review of Information Science and Technology*, vol. 35. (ARIST 35). Medford, NJ: Learned Information for the American Society for Information Science and Technology.
- Wilson, P. (1973). Situational relevance. *Information Storage & Retrieval*, 9(8): 457-471.
- Wilson, T.D. (1981). On user studies and information needs. *Journal of Documentation*, 37(1): 3-15.

- Wilson, T.D. (1997). Information behaviour: an interdisciplinary perspective. *Information Processing & Management*, 33(4): 551-572.
- Wilson, T.D. (1999). Models in information behavior research. *Journal of Documentation*, 55(3): 249-270.
- Wilson, T.D. & Streatfield, D.R. (1977). Information needs in local authority social services departments : An interim report on project INISS. *Journal of Documentation*, 33(4): 277-293.
- Wilson, T.D. & Streatfield, D.R. (1981a). Structured observation in the investigation of information needs. *Social Science Information Studies*, 1(3): 173-184.
- Wilson, T.D. & Streatfield, D.R.. (1981b). Action research and user's needs. In: Friberg, I. (Ed.) [IRFIS 4]: 51-70.
- Wilson, T.D. & Walsh, C. (1996). *Information behaviour: an interdisciplinary perspective*. Sheffield, UK: University of Sheffield, Department of Information Studies.
- Winograd, T. & Flores, C.F. (1986). *Understanding Computers and Cognition: A New Foundation for Design*. Norwood, NJ: Addison-Wesley.
- Wolfram, D, Spink, A, Jansen, B. J. & Saracevic, T (2001). Vox populi: the public searching of the Web. *Journal of the American Society for Information Science & Technology*, 52(12): 1073-1074.
- Woods, L. (1999), Ed. *ASIS '99: Proceedings of the 62nd ASIS Annual Meeting (ASIS 62)*. Medford, NJ: Information Today.
- Wormell, I. (1981b). *Interim Report to the Online Search Division of the European Space Agency*. Frascati, Italy.
- Wu, M.-M. & Liu, Y.-H. (2003). Intermediary's information seeking, inquiring minds, and elicitation styles. *Journal of the American Society for Information Science and Technology*, 54(12): 1117-1133.
- Xie, H. (2000). Shifts in interactive intentions and information seeking strategies in interactive retrieval. *Journal of the American Society for Information Science*, 51: 841-857.
- Xie, H. & Cool, C. (2000). Ease-of-use versus user control: An evaluation of web and non-web interfaces of online databases. *Online Information Review*, 24(2): 102-115.
- XQuery (2003). *XQuery: A query language for XML*. [Available at <http://www.w3.org/TR/xquery/>. Cited July 30, 2002.]
- Xu, J. & Croft, W.B. (1996). Query expansion using local and global document analysis. In: Frei, H.-P. et al. (Eds.) [ACM SIGIR 19]: 4-11.
- Yang, S. (1997). Information seeking as problem-solving using a qualitative approach to uncover the novice learners' information-seeking process in a Perseus hypertext system. *Library & Information Science Research*, 19: 71-92.
- Zhai, C., Tong, X., Milic-Frayling, N. & Evans, D.A. (1997). Evaluation of syntactic phrase indexing - CLARIT NLP track report. In: Voorhees, E.M. & Harman, D.K (Eds.) [TREC 5]: 347-358.
- Zipf, G.K. (1932). *Selected Studies of the Principle of Relative Frequencies of Language*. Cambridge, MA: Harvard University Press, 1932.
- Zobel, J. (1998). How reliable are the results of large scale information retrieval experiments? In: Croft, W.B. et al. (Eds.) [ACM SIGIR 21]: 307-314.

- Zobel, J. & Dart, P. (1996) Phonetic String Matching: Lessons from Information Retrieval. In: Frei, H.P. et al. (Eds.) [ACM SIGIR 19]: 166-173.
- Ørom, A. (2000). Information science, historical changes and social aspects: A Nordic outlook. *Journal of Documentation*, 56(1), 12-26.

