
Literatur

- AGOSTI, M.: Hypertext and Information Retrieval. In: *Information Processing and Management* 3 29 (1993) 283-285
- AHLERN, T.C.: Enhancing Context and Continuity in Computer-Mediated Conferencing: Developing the Idea-Web. In: Troutner, H. (ed): *Proceedings of the 34th Annual International Conference of the Association for the Development of Computer-Based Instructional Systems*. Norfolk, VA (1992) 589-600
- AHLBERG, C./SHNEIDERMAN, B.: Visual Information Seeking: Tight Coupling of Dynamic Query Filters with Starfield Displays. In: *Proceedings of the ACM CHI'94* (1994) 313-317 & 479-480
- AHRWEILER, P.: *Künstliche Intelligenz-Forschung in Deutschland. Die Etablierung eines Hochtechnologie-Fachs*. Münster: Waxmann 1995
- AIGRAIN, P./LONGUEVILLE, V.: Evaluation of Navigational Links between Images. In: *Information Processing and Management* 4 28 (1992) 517-528
- AKSCYN, R./MCCRACKEN, D./YODER, E.: KMS: A Distributed Hypermedia System for Managing Knowledge in Organizations. In: *Communications of the ACM* 7 31 (1988) 820-835
- ALDERMAN, D.L.: Evaluation of the TICCIT Computer-Assisted Instruction System in the Community College. Princeton, NJ: Educational Testing Service 1978 Manuskript
- ALLEN, B.S.: Constructive Criticisms. In: Duffy, T.M./Jonassen, D.H. (eds): *Constructivism and the Technology of Instruction: A Conversation*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1992) 183-204
- ALLEN, B.S.: Multiplicity of Media: Changing Paradigms for Working and Learning in Multimedia Environments. In: *Educational Technology, Research and Development* 4 34 (1994) 33-34
- ALLEN, B.S./HOFFMAN, R.P.: Varied Levels of Support for Constructive Activity in Hypermedia-Based Learning Environments. In: Duffy, T.M./Lowyck, J./Jonassen, D.H. (eds): *Designing Environments for Constructive Learning* (NATO ASI Series. Series F: Computer and Systems Sciences; 105) Berlin/Heidelberg: Springer (1993) 261-290
- ALLINSON, L.J.: Learning Styles and Computer-Based Learning Environments. In: Tomek, I. (ed): *Computer Assisted Learning. Proceedings of the 4th International Conference ICCAL '92*, Wolfville, Nova Scotia, Canada, June 17-20, 1992. Berlin/Heidelberg: Springer (1992a) 61-73
- ALLINSON, L.J.: Designing and Evaluating the Navigational Toolkit. In: Engel, F.L./Bouwuis, D.G. et al (eds): *Cognitive Modelling and Interactive Environments in Language Learning* (NATO ASI Series. Series F: Computer and Systems Sciences; 87) Berlin/Heidelberg: Springer (1992b) 287-293
- ALSCHULER, L.: Hand-crafted Hypertext – Lessons from the ACM Experiment. In: Barrett, E. (ed): *The Society of Text: Hypertext, Hypermedia, and the Social Construction of Information*. Cambridge/London: M.I.T. Press (1989) 343-361
- ALTY, J.L.: Multimedia – What is It and How do we Exploit It? In: Diaper, D./Hammond, N. (eds): *People and Computers VI. Proceedings of the HCI '91 Conference*. (British Computer Society Conference Series; 3) Cambridge: Cambridge University Press (1991) 31-44
- AMBRON, S./HOOPER, K. (eds): *Interactive Multimedia: Visions of Multimedia for Developers, Educators and Information Providers*. Redmond: Microsoft Press 1988
- AMBROSE, D.-W.: The Effects of Hypermedia on Learning: A Literature Review. In: *Educational Technology* 12 31 (1991) 51-55
- AMIGUES, R./AGOSTINELLI, S.: Collaborative problem-solving with a computer: How can an interactive learning environment be designed? Special Issue: Interactional learning situations with computers. In: Eu-

- ropean Journal of Psychology of Education 4 7 (1992) 325-337
- ANDERSON, J.R.: Acquisition of Cognitive Skill. In: Psychological Review 89 (1982) 369-406
- ANDERSON, J.R.: The Architecture of Cognition. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1983
- ANDERSON, J.R.: The Place of Cognitive Architectures in a Rational Analysis. In: Patel, V. (ed): Tenth Annual Conference of the Cognitive Science Society. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 1-10
- ANDERSON, J.R.: Rules of the Mind. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1993
- ANDERSON, J.R./BOYLE, C.F. ET AL.: Cognitive Principles in the Design of Computer Tutors. In: Proceedings of the Sixth Annual Conference of the Cognitive Science Society. Boulder, CO: University of Colorado (1984) 2-9
- ANDERSON, J.R./BOYLE, C.F./REISER, B.J.: Intelligent Tutoring Systems. In: Science 228 (1985b) 456-468
- ANDERSON, J.R./BOYLE, C.F./YOST, G.: The Geometry Tutor. In: Proceedings of the 1985 International Joint Conference on Artificial Intelligence. Los Angeles, CA (1985a)
- ANDERSON, J.R./REISER, B.J.: The LISP tutor. In: Byte 4 10 (1985) 159-175
- ANDERSON, N.: Medical Center: A modular hypermedia approach to program design. In: Barrett, E. (ed): Sociomedia: Multimedia, Hypermedia, and the Social Construction of Knowledge. Technical Communication and Information Systems. Cambridge/London: M.I.T. Press (1992) 369-389
- ANDREWS, D.H./GOODSON, L.A.: A Comparative Analysis of Models of Instructional Design. In: Journal of Instructional Development 4 3 (1980) 2-16
- APPLE COMPUTER INC.: Future Shock. In: Apple Computer (ed): QuickTime 1991 (CD-ROM, Software)
- ARENTS, H.C./BOGAERTS, W.F.L.: Concept-Based Retrieval of Hypermedia Information: From Term Indexing to Semantic Hyperindexing. In: Information Processing and Management 3 29 (1993) 373-386
- ARNONE, M.P./GRABOWSKI, B.L.: Effects of Variations in Learner Control on Children's Curiosity and Learning from Interactive Video. In: Proceedings of Selected Research Presentations at the Annual Convention of the Association for Educational Communications and Technology (1991) 24ff.
- ARONS, B.: Hyperspeech: Navigating in Speech-only Hypermedia. In: Proceedings of the ACM Hypertext '91 Conference (San Antonio, TX, December 15-18, 1991) 133-146
- ARONSON, D.T./BRIGGS, L.J.: Contributions of Gagné and Briggs to a Prescriptive Model of Instruction. In: Reigeluth, C.M. (ed): Instructional Design Theories and Models: An Overview of their Current Status. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1983) 75-100
- ASSINK, E./VAN DER LINDEN, J.: Computer Controlled Spelling Instruction: A Case Study in Courseware Design. Paper presented at the Annual Conference of the American Educational Research Association (Chicago, IL, April 3-7, 1991) Chicago 1991 - Report
- AUST, R.: The Use of Hyper-Reference and Conventional Dictionaries. In: Educational Technology, Research and Development 4 41 (1993) 63-73
- AUSUBEL, D.P./NOVAK, J.D./HANESIAN, H.: Educational Psychology: A Cognitive View. New York, NY: Holt, Rinehart & Winston 1978
- BAIRD, P./PERCIVAL, M.: Glasgow Online: Database Development Using Apple's Hypercard. In: McAleese, R. (ed): Hypertext: Theory into Practice. Oxford: Blackwell (1993) 64-79
- BAKER, M.: Modelling Negotiation in Intelligent Teaching Dialogues. In: Moyse, R./Elsom-Cook, M.T. (eds): Knowledge Negotiation. London: Academic Press (1992) 199-240
- BAKER, M.: A Model for Negotiation in Teaching-Learning Dialogues. In: Journal of Artificial Intelligence in Education 2 5 (1994) 199-254
- BANDURA, A.: Lernen am Modell. Ansätze einer sozial-kognitiven Lerntheorie. Stuttgart: Klett 1976 [Original 1971]
- BANDURA, A.: Social Foundations of Thought and Action. A Social Cognitive Theory. Englewood Cliffs, NJ: Prentice Hall 1986
- BANGERT, R.L./KULIK, J.A./KULIK, C.-I.C.: Individualized Systems of Instruction in Secondary Schools. In: Review of Educational Research 2 53 (1983) 143-158
- BANGERT-DROWNS, R.L./KOZMA, R.B.: Assessing the Design of Instructional Software. In: Journal of Rese-

- arch on Computing in Education 3 21 (1989) 241-262
- BARBA, R.H.: The Effects of Embedding an Instructional Map in Hypermedia Courseware. In: Journal of Research on Computing in Education 4 25 (1993) 405-412
- BARBA, R.H./ARMSTRONG, B.E.: The Effect of HyperCard and Interactive Video Instruction on Earth and Space Science Students' Achievements. In: Journal of Educational Multimedia and Hypermedia 1 (1992) 323-330
- BARKER, P.G.: An Object Oriented Approach to Hypermedia Authoring. In: Giardina, M. (ed): Interactive Multimedia Learning Environments. Human Factors and Technical Considerations on Design Issues (NATO ASI Series. Series F: Computer and Systems Sciences; 93) Berlin/Heidelberg: Springer (1992a) 132-152
- BARKER, P.G.: Design Guidelines for Electronic Book Production. In: Edwards, A.D.N./Holland, S. (eds): Multimedia Interface Design in Education. 2. Aufl. 1994 (NATO ASI Series. Series F: Computer and Systems Sciences; 76) Berlin/Heidelberg: Springer (1992b) 83-96
- BARKER, P.G./GILLER, S.: An Electronic Book for Early Learners – A CD-ROM Design Exercise. In: The CTESS File 10 (1990) 13-18
- BARKER, P.G./GILLER, S.: Design Guidelines for Electronic Book Production. Paper prepared for the International Conference on Multimedia in Education and Training. Tokio 1991 Report
- BARKER, P.G./MANJI, K.A.: Designing Electronic Books. In: Educational and Training Technology International 4 28 (1991) 273-280
- BARR, A./FEIGENBAUM, E.A. (eds): The Handbook of Artificial Intelligence. Vol 2. Los Altos, CA: Kaufmann 1982
- BARRETT, E. (ed): Sociomedia: Multimedia, Hypermedia, and the Social Construction of Knowledge. Technical Communication and Information Systems. Cambridge/London: M.I.T. Press 1992
- BARRON, A.E./ATKINS, D.: Audio Instruction in Multimedia Education: Is Textual Redundancy Important? In: Journal of Educational Multimedia and Hypermedia 3/4 3 (1994) 295-306
- BARRON, A.E./KYSILKA, M.-L.: The Effectiveness of Digital Audio in Computer-Based Training. In: Journal of Research on Computing in Education 3 25 (1993) 277-289
- BASTIEN, C.: Ergonomics for Hypermedia Software. In: Oliveira, A. (ed): Hypermedia Courseware: Structures of Communication and Intelligent Help (NATO ASI Series. Series F: Computer and Systems Sciences; 92) Berlin/Heidelberg: Springer (1992) 183-187
- BAUMGARTNER, P./PAYR, S.: Lernen mit Software. Innsbruck: Österreichischer StudienVerlag 1994
- BAUMGARTNER, P./PAYR, S. (eds): Speaking Minds. Interviews with Twenty Eminent Cognitive Scientists. Princeton, NJ: Princeton University Press 1995
- BEARMAN, D. (ed): Hypermedia and Interactivity in Museums. (Archives and Museum Informatics Technical Report; 14) Pittsburgh, PA: Archives and Museums Informatics 1991a
- BEARMAN, D. (ed): Hypermedia & Interactivity in Museums. Proceedings of an International Conference (Pittsburgh, Pennsylvania, October 14-16, 1991). Informatics Technical Report No. 14. Archives and Museum Informatics, Pittsburgh, PA. 1991b - Report
- BEASLEY, R.E./VILA, J.A.: The Identification of Navigation Patterns in a Multimedia Environment: A Case Study. In: Journal of Educational Multimedia and Hypermedia 1 (1992) 209-222
- BECKER, D.A./DWYER, M.M.: Using Hypermedia to Provide Learner Control. In: Journal of Educational Multimedia and Hypermedia 2 3 (1994) 155-172
- BEDERSON, B.B./DRUIN, A.: Computer-Augmented Environments: New Places to Learn, Work and Play. In: Nielsen, Jakob (ed): Advances in Human-Computer Interaction. Norwood, NJ: Ablex Publishing (1995)
- BEDNAR, A.K./CUNNINGHAM, D.J. ET AL.: Theory into Practice: How Do We Link? In: Duffy, T.M./Jonassen, D.H. (eds): Constructivism and the Technology of Instruction: A Conversation. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1992) 17-34
- BELMAN, W.O./ANDERSON, K.T. ET AL.: Hypertext and Pluralism: From Lineal to Non-Lineal Thinking. In: Proceedings of the ACM-Hypertext '87 Conference. Chapel Hill, NC (1987) 67-88
- BEILIN, H./PUFALLI, P.B. (eds): Piaget's theory: Prospects and possibilities. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1992

- BELL, B.: The Role of Anchored Instruction in the Design of a Hypermedia Science Museum Exhibit. Paper presented at the Annual Meeting of the American Educational Research Association (Atlanta, GA, April 12-16, 1993). 1993 (ED363636; TM020645 Report)
- BENEST, I.D.: Computer-Assisted Learning Using Dynamic Electronic Books. In: *Computers and Education* 1-3 15 (1990) 195-203
- BENEST, I.D.: An Alternative Approach to Hypertext. In: *Educational and Training Technology International* 4 28 (1991) 341-346
- BENYON, D./MURRAY, D.: Applying User Modeling to Human-Computer Interaction Design. Special Issue: User Modelling. In: *Artificial Intelligence Review* 3-4 7 (1993) 199-225
- BERLITER, C./SCARDAMALIA, M.: Intentional Learning as a Goal of Instruction. In: Resnick, L.B. (ed): *Knowing, Learning, and Instruction. Essays in Honor of Robert Glaser*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1989) 361-392
- BERLITER, C./SCARDAMALIA, M.: Two Models of Classroom Learning Using a Communal Database. In: Dijkstra, S./Krammer, H.P.M./van Merriënboer, J.J.G. (eds): *Instructional Models in Computer-Based Learning Environments (NATO ASI Series. Series F: Computer and Systems Sciences; 104)* Berlin/Heidelberg: Springer (1992) 229-241
- BERGERON, A./BORDIER, J.: An Intelligent Discovery Environment for Probability and Statistics. In: Lewis, R./Otsuki, (eds): *Advanced Research on Computers in Education. Proceedings of the IFIP TC3 International Conference on Advanced Research on Computers in Education, Tokyo, Japan, 18-20 July, 1990*. Amsterdam: North-Holland (1991) 191-197
- BERK, H.: Xanadu. In: Berk, E./Devlin, J. (eds): *Hypertext/Hypermedia Handbook*. New York: McGraw-Hill (1991) 524-528
- BERNSTEIN, M.: An Apprentice that Discovers Hypertext Links. In: Rizk, A./Streitz, N.A./André, J. (eds): *Hypertext: Concepts, Systems, and Applications. Proceedings of the ECHT'90 European Conference on Hypertext*, INRIA. Cambridge: Cambridge University Press (1990) 212-223
- BERNSTEIN, M.: The Navigation Problem Reconsidered. In: Berk, E./Devlin, J. (eds): *Hypertext/Hypermedia Handbook*. New York: McGraw-Hill (1991a) 285-297
- BERNSTEIN, M.: Storyspace: Hypertext and the Process of Writing. In: Berk, E./Devlin, J. (eds): *Hypertext/Hypermedia Handbook*. New York: McGraw-Hill (1991b) 529-533
- BERNSTEIN, M./SWEENEY, E.: The Election of 1912, Hypertext for Macintosh Computers. Watertown, MA: Eastgate System Inc. 1989 Report
- BIALO, E.-R./ERICKSON, L.B.: Microcomputer Courseware: Characteristics and Design Trends. In: *AEDS-Journal* 4 18 (1985) 227-236
- BICHSEL, M. (ed): *Proceedings International Workshop on Automatic Face- and Gesture-Recognition (June 26-28, 1995, Zürich, Switzerland)* 1995
- BIEBER, M./WAN, J.: Backtracking in a Multiple-Window Hypertext Environment. In: *Proceedings of the ECHT'94 European Conference on Hypermedia Technology*. Edinburgh (1994) 158-166
- BIER, E.A.: Embedded Buttons. Supporting Buttons in Documents. In: *ACM Transactions on Information Systems* 4 10 (1992) 381-407
- BILLINGS, D.M./COBB, K.L.: Effects of Learning Style Preferences, Attitude and GPA on Learner Achievement Using Computer Assisted Interactive Videodisc Instruction. In: *Journal of Computer-Based Instruction* 1 19 (1992) 12-16
- BIRKHAN, G./SCHULMEISTER, R.: Untersuchung kognitiver Probleme beim Lernen der Statistik: Kognitive Operationen und Lernstile. In: Schulmeister, R. (ed): *Angst vor Statistik. Empirische Untersuchungen zum Problem des Statistik-Lehrens und -Lernens*. Hamburg: AHD (1983) 44-84
- BITZER, D./SKAPERDAS, D.: The Economics of a Large-scale Computer-based Education System: Plato IV. In: Holtzman, W.H. (ed): *Computer-Assisted Instruction, Testing, and Guidance*. New York/Evanston/London: Harper & Row (1970) 17-29
- BLATTNER, M.M./GREENBERG, R.M.: Communicating and Learning Through Non-Speech Audio. In: Edwards, A.D.N./Holland, S. (eds): *Multimedia Interface Design in Education. 2. Aufl.* 1994 (NATO ASI Series. Series F: Computer and Systems Sciences; 76) Berlin/Heidelberg: Springer (1992) 133-143
- BLATTNER, M.M./SUMIKAWA, D.A./GREENBERG, R.M.: Earcons and Icons: Their Structure and Common De-

- sign Principles. In: *Human-Computer Interaction* 4 (1989) 11-44
- BLISSETT, G./ATKINS, M.J.: Are They Thinking? Are They Learning? A Study of the Use of Interactive Video. In: *Computers and Education* 1-2 21 (1993) 31-39
- BLOMEYER, R.L., JR./MARTIN, C.D. (eds): *Case Studies in Computer Aided Learning*. London/New York/Philadelphia: The Falmer Press 1991
- BOCK, M./KIRBERG, A./WINDGASSE, T.: Absichtsvolles versus beiläufiges Lernen beim Fernsehen. In: *Zeitschrift für Entwicklungspsychologie und Pädagogische Psychologie* 2 24 (1992) 144-155
- BODENDORF, F.: *Computer in der fachlichen und universitären Ausbildung (Handbuch der Informatik; 15.1)* München: Oldenbourg 1990
- BODER, A./CAVALLO, D.: An Epistemological Approach to Intelligent Tutoring. In: Yazdani, M./Lawler, R.W. (eds): *Artificial Intelligence and Education. principles and case studies. Vol. 2*. Norwood, NJ: Ablex Publishing (1991) 203-217
- BOGUN, M./ERBEN, C./SCHULMEISTER, R.: *Einführung in die Statistik. Ein Lernbuch für Psychologen und Sozialwissenschaftler*. Weinheim/Basel: Beltz 1983.
- BOGUN, M./ERBEN, C./SCHULMEISTER, R.: *Begleitbuch zur Einführung in die Statistik. Didaktischer Kommentar und Unterrichtsübungen*. Weinheim/Basel: Beltz 1983.
- BOLTER, J.D.: *Writing Space. The Computer, Hypertext, and the History of Writing*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1991
- BOLTER, J.D.: Alone and Together in the Electronic Bazaar. In: *Computers and Composition* 2 10 (1993) 5-18
- BOLTON, J.P.R./EVERY, I./ROSS, S.M.: The Water Videodisc: A Problem-Solving Environment. In: *Computers and Education* 1-3 15 (1990) 165-172
- BONAR, J.G./CUNNINGHAM, R.: Bridge: An Intelligent Tutor for Thinking about Programming. In: Self, J. (ed): *Artificial Intelligence and Human Learning: Intelligent Computer-Aided Instruction*. London: Chapman & Hall (1988a) 391-409
- BONAR, J.G./CUNNINGHAM, R.: Bridge: Tutoring the Programming Process. In: Psotka, J./Massey, L.D./Mutter, S.A. (eds): *Intelligent Tutoring Systems. Lessons Learned*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988b) 409-434
- BONAR, J.G./LOGAN, D.: *Intelligent Tutoring of Basic Electricity*. Pittsburgh: University of Pittsburgh 1986 Report
- BONNER, J.: Computer Courseware. Frame-based or Intelligent? In: *Educational Technology* 3 27 (1987) 30-32
- BONNER, J.: Implications of Cognitive Theory for Instructional Design: Revisited. In: *Educational Communication and Technology Journal* 1 36 (1988) 3-14
- BORK, A.: *The ABC's of CAI*. 4. Aufl. 1979
- Bork, A.: Physics in the Irvine Educational Technology Center. In: *Computers and Education*. 4 (1980) 37-57
- BORK, A.: Nontrivial, Nonintelligent, Computer-based Learning. In: *Contemporary Educational Psychology* 3 12 (1987) 269-277
- BORK, A.: Learning in the Twenty-First Century Interactive Multimedia Technology. In: Giardina, M. (ed): *Interactive Multimedia Learning Environments. Human Factors and Technical Considerations on Design Issues (NATO ASI Series F: Computer and Systems Sciences; 93)* Berlin/Heidelberg: Springer (1992) 2-18
- BORK, A.: Learning Scientific Reasoning with the Interactive Computer. In: *Journal of Science Education and Technology* 1 2 (1993) 335-348
- BORNMAN, H./VON SOLMS, S.H.: Hypermedia, Multimedia and Hypertext: Definitions and Overview. In: *The Electronic Library* 4/5 11 (1993) 259-268
- BORSOOK, T.K.: Harnessing the Power of Interactivity for Instruction. In: *Proceedings of Selected Research Presentations at the Annual Convention of the Association for Educational Communications and Technology* (1991)
- BORSOOK, T.K./HIGGENBOTHAM-WHEAT, N.: Interactivity: What Is It and What Can It Do for Computer-Based Instruction? In: *Educational Technology* 10 31 (1991) 11-17
- BORSOOK, T.K./HIGGENBOTHAM-WHEAT, N.: *A Psychology of Hypermedia: A Conceptual Framework for*

- R&D. Paper presented at the Annual Meeting of the Association for Educational Communications and Technology (Washington, DC, February 5-9, 1992). Washington 1992 (ED345697; IR015505 Report)
- BOSCH, A.R.: TAIGA: A New Concept in Developing Courseware and IV. In: Tucker, R.N. (ed): *Interactive Media: The Human Issues*. Den Haag: Nederlands Instituut voor Audio-visuele Media (1988) 41-50
- BOSCO, J.J.: An Analysis of Evaluations of Interactive Video. In: *Educational Technology* 5 26 (1986) 7-17
- BOTAFOGO, R.A./RIVLIN, E./SHNEIDERMAN, B.: Structural Analysis of Hypertexts: Identifying Hierarchies and Useful Metrics. In: *ACM Transactions on Information Systems* 2 10 (1992) 142-180
- BOTTINO, R.M./CHIAPPINI, G./FERRARI, P.L.: A Hypermedia System for Interactive Problem Solving in Arithmetic. In: *Journal of Educational Multimedia and Hypermedia* 3/4 3 (1994) 307-326
- BOULET, M.-M./BARBEAU, L./SLOBODRIAN, S.: Advisor System: Conception of an Intervention Module. In: *Computers and Education* 1 14 (1990) 17-29
- BOULET, M.-M./LAVOIE, L. ET AL.: Educational Knowledge Based Systems Design Using a Diagnostic Approach. In: Maurer, H. (ed): *Computer Assisted Learning. Proceedings 2 Int. Conf. ICCAI. (Lecture Notes in Computer Science; 360)* Berlin/Heidelberg: Springer (1989) 1-13
- BOURNE, D.E.: Computer-Assisted Instruction, Learning Theory, and Hypermedia: An Associative Linkage. In: *Research Strategies* 4 8 (1990) 160-171
- BOY, G.A.: Indexing Hypertext Documents in Context. In: *Proceedings of the ACM Hypertext '91 Conference (San Antonio, TX, December 15-18, 1991)* 51-61
- BOYD, G.M./MITCHELL, P.D.: How Can Intelligent CAL Better Adapt to Learners? In: *Computers and Education* 1-3 18 (1992) 23-28
- BOYD-BARRETT, O.: Schools Computing Policy as State-Directed Innovation. In: Boyd-Barrett, O./Scanlon, E. (eds): *Computers and Learning*. Reading, MA, u.a.: Addison-Wesley (1990) 3-22
- BRACEY, G.W.: Computer-Assisted Instruction: What the Research Shows. In: *Electronic Learning* 3 7 (1987) 22-23
- BRACEY, G.W.: Two Studies Show Students Gain When Teaming Up. In: *Electronic Learning* 4 7 (1988) 19
- BRADEN, J.P./SHAW, S.: Computer Assisted Instruction with Deaf Children: Panacea, Placebo or Poison? In: *American Annals of the Deaf* 3 132 (1987) 189-193
- BRAND, S.: *The Media Lab: Inventing the Future at M.I.T.* New York: Viking-Penguin 1987
- BRATMAN, M.E.: *Intention, Plans, and Practical Reason*. Cambridge, MA: Harvard University Press 1987
- BREBNER, A.: CAI and Second Language Learning: An Evaluation of Programs for Drill and Practice in Written French. In: *Computers and Education* 4 8 (1984) 471-474
- BREDO, E.: Placing Cognitive Learning Theory in Context. In: *Journal of Artificial Intelligence in Education* 1 1 (1989) 27-40
- BREDO, E.: Reflections on the Intelligence of ITSs: A Response to Clancey's »Guidon-Managed Revisited«. In: *Journal of Artificial Intelligence in Education* 1 4 (1993) 35-40
- BRENNAN, S.E.: Conversation as Direct Manipulation: An Iconoclastic View. In: Laurel, B. (ed): *The Art of Human-Computer Interface Design*. Reading, MA, u.a.: Addison-Wesley (1990) 393-404
- BRIGGS, J.H./TOMPSETT, C.P./OATES, N.: Using Rules to Guide Learners through Hypertext. In: *Computers and Education* 1 20 (1993) 105-110
- BRIGGS, L.J. ET AL.: *Instructional Media: A Procedure for the Design of Multi-Media Instruction, a Critical Review of Research and Suggestions for Further Research*. Pittsburgh: American Institutes for Research 1967 Report
- BROCKMANN, R.J./HORTON, W./BROCK, K.: From Database to Hypertext Via Electronic Publishing: An Information Odyssey. In: Barrett, E. (ed): *The Society of Text: Hypertext, Hypermedia, and the Social Construction of Information*. Cambridge/London: M.I.T. Press (1989) 162-205
- BROKKEN, F.B./BEEN, P.H.: Student Modeling in Intelligent Tutoring Systems: Acquisition of Cognitive Skill and Tutorial Interventions. First International Congress of Social Science Information Technology (1992, Amsterdam, Netherlands). In: *Social Science Computer Review* 3 11 (1993) 329-349
- BRØNDMO, H.P./DAVENPORT, G.: Creating and Viewing the Elastic Charles. In: McAleese, R./Green, C. (eds): *Hypertext: State of the Art*. Norwood, NJ: Ablex Publishing (1990) 43-51

- BROOKS, R.M.: Principles for Effective Hypermedia Design. In: *Technical Communication: Journal of the Society for Technical Communication* 3 40 (1993) 422-428
- BROWN, A.L./CAMPIONE, J.C.: Interactive Learning Environments and the Teaching of Science and Mathematics. In: Gardner, M./Greeno, J.G. et al (eds): *Toward a Scientific Practice of Science Education*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1990) 111-139
- BROWN, A.L./PALINCSAR, A.S.: Guided, Cooperative Learning and Individual Knowledge Acquisition. In: Resnick, L.B. (ed): *Knowing, Learning, and Instruction. Essays in Honor of Robert Glaser*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1989) 393-452
- BROWN, E./CHIGNELL, M.H.: Learning by Linking: Pedagogical Environments for Hypermedia Authoring. In: *Journal of Computing in Higher Education* 1 5 (1993) 27-50
- BROWN, H./COLL, F.: The Office Document Architecture and Hypermedia. In: Brown, H. (ed): *Hypermedia/Hypertext and Object Oriented Databases*. London: Chapman & Hall (1991) 237-256
- BROWN, J.S.: Process versus Product: A Perspective on Tools for Communal and Informal Electronic Learning. In: *Journal of Educational Computing Research* 2 1 (1985) 179-201
- BROWN, J.S./BURTON, R.R./BELL, A.G.: SOPHIE: A Sophisticated Instructional Environment for Teaching Electronic Troubleshooting (BBN Report; 2790) Cambridge, MA: Bolt, Beranek and Newman 1974
- BROWN, J.S./BURTON, R.R./BELL, A.G.: SOPHIE: A Step Toward Creating a Reactive Learning Environment. In: *International Journal of Man-Machine Studies* 7 (1975) 675-696
- BROWN, J.S./BURTON, R.R.: Diagnostic Models for Procedural Bugs in Basic Mathematical Skills. In: *Cognitive Science* 2 (1978) 155-192
- BROWN, J.S./BURTON, R.R./DE KLEER, J.: Pedagogical, Natural Language, and Knowledge Engineering Techniques in SOPHIE I, II, and III. In: Sleeman, D./Brown, J.S. (eds): *Intelligent Tutoring Systems*. Boston u.a.: Academic Press (1982) 227-282
- BROWN, J.S./COLLINS, A./DUGUID, P.: Situated Cognition and the Culture of Learning. In: *Educational Researcher* 1 18 (1989) 32-42
- BRUNER, J.S.: The Act of Discovery. In: *Harvard Educational Review* 31 (1961) 21-32
- BRUNER, J.S.: *Toward a Theory of Instruction*. New York, NY: W.W. Norton 1966
- BRUNER, J.S.: The Narrative Construction of Reality. In: Beilin, H./Pufall, P.B. (eds): *Piaget's Theory: Prospects and Possibilities*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1992) 229-248
- BRYAN, M.: Standards for Text and Hypermedia Processing. In: *Information Services and Use* 2 13 (1993) 93-102
- BUENO, K.A./NELSON, W.A.: Collaborative Second Language Learning with a Contextualized Computer Environment. In: *Journal of Educational Multimedia and Hypermedia* 2 4 (1993) 177-208
- BUI, K.P.: HyperLexicon, a Hypermedia-Based Lexicon for Vocabulary Acquisition. In: Maurer, H. (ed): *Computer Assisted Learning. Proceedings 2 Int. Conf. ICCAL (Lecture Notes in Computer Science; 360)* Berlin/Heidelberg: Springer (1989) 14-30
- BURKE, R.: Intelligent Retrieval of Video Stories in a Social Simulation. In: *Journal of Educational Multimedia and Hypermedia* 4 2 (1993) 381-392
- BURNETT, K.: Multimedia as Rhizome: Design Issues in a Network Environment. In: *Networks, Telecommunications, and the Networked Information Resource Revolution, Albuquerque, NM, May 27-30, 1992 (Proceedings-of-the-ASIS-Mid-Year-Meeting)* 1992, 24-36
- BURNS, H.L./PARLETT, J.W./REDFIELD, C.L. (eds): *Intelligent Tutoring Systems: Evolutions in Design*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1991
- BURNS, H.L./PARLETT, J.W.: The Evolution of Intelligent Tutoring Systems: Dimensions of Design. In: Burns, H.L./Parlett, J.W./Redfield, C.L. (eds): *Intelligent Tutoring Systems: Evolutions in Design*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1991) 1-11
- BURTON, R.R.: Diagnosing Bugs in a Simple Procedural Skill. In: Sleeman, D./Brown, J.S. (eds): *Intelligent Tutoring Systems*. Boston u.a.: Academic Press (1982)
- BURTON, R.R./BROWN, J.S.: An Investigation of Computer Coaching for Informal Learning Activities. In: *International Journal of Man-Machine Studies* 1 11 (1979) 5-24

- BURTON, R.R./BROWN, J.S.: An Investigation of Computer Coaching for Informal Learning Activities. In: Sleeman, D./Brown, J.S. (eds): *Intelligent Tutoring Systems*. Boston u.a.: Academic Press (1982) 79-98
- BURWELL, L.: The Interaction of Learning Styles with Learner Control Treatments in an Interactive Videodisc Lesson. In: *Educational Technology* 3 31 (1991) 37-43
- BUSH, V.: As We May Think. In: *Atlantic Monthly* July 1945, 101-108. Reprint. In: Lambert, S./Ropiquet (eds): *CD-ROM: The New Papyrus*. Redmond, WA: Microsoft Press (1986) 3-20
- BUXTON, B.: The »Natural« Language of Interaction: A Perspective on Nonverbal Dialogues. In: Laurel, B. (ed): *The Art of Human-Computer Interface Design*. Reading, MA. u.a.: Addison-Wesley (1990) 405-416
- BYRUM, D.C.: Formative Evaluation of Computer Courseware: An Experimental Comparison of Two Methods. In: *Journal of Educational Computing Research* 1 8 (1992) 69-80
- CADISCH, M./GLOOR, P.A. ET AL.: A Knowledge-Based Hypermedia System for Molecular Spectroscopy. In: Frei, H.P./Schäubli, P. (eds): *Hypermedia (Proceedings der Internationalen Hypermedia '93 Konferenz, Zürich, 2./3. März 1993)*. Berlin/Heidelberg: Springer (1993) 105-115
- CAMPAGNONI, F.R./EHRLICH, K.: Information Retrieval Using a Hypertext-based Help System. In: *ACM Transactions on Information Systems* 3 7 (1989) 271-291
- CAMPBELL, R./HANLON, P.: Grapevine Described. In: Berk, E./Devlin, J. (eds): *Hypertext/Hypermedia Handbook*. New York: McGraw-Hill (1991) 493-497
- CAMPIONE, J.C./BROWN, A.L./JAY, M.: Computers in a Community of Learners. In: De Corte, E./Linn, M.C. et al (eds): *Computer-Based Learning Environments and Problem Solving (NATO ASI Series. Series F: Computer and Systems Sciences; 84)* Berlin/Heidelberg: Springer (1992) 163-188
- CANELOS, J./BAKER, P. ET AL.: External Pacing as an Instructional Strategy for the Design of Micro-Computer Based Instructional Programs to Improve Performance on Higher Level Instructional Objectives. In: Simonson, M./Coble, E./Hayward, J. (eds): *Proceedings of Selected Research Paper Presentations at the 1986 Convention of the Association for Educational Communications and Technology*. Ames, IA: Iowa State University (1986) 66-84
- CANTER, D./POWELL, J. ET AL.: User Navigation in Complex Database Systems. In: *Behaviour and Information Technology* 3 5 (1986) 249-257
- CANTER, D./RIVERS, R./STORRS, G.: Characterizing User Navigation Through Complex Data Structures. In: *Behaviour and Information Technology* 2 4 (1985) 93-102
- CANTWELL, S.: Multimedia Transforms Union Pacific's Training Strategy. In: *TechTrends* 6 38 (1993) 21-22
- CAPLINGER, M.: Graphical Database Browsing. In: *Proceedings of the 3rd ACM SIGOIS Conference on Office Information Systems*. Providence (1986) 113-119
- CARD, S.K./MORAN, T.P./NEWELL, A.: *The Psychology of Human-Computer Interaction*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1983
- CARLSON, P.A.: Hypertext: A Way of Incorporating User Feedback into Online Documentation. In: Barrett, F. (ed): *Text, ConText, and Hypertext*. Cambridge/London: M.I.T. Press (1988) 93-110
- CARR, B./GOLDSTEIN, I.P.: *Overlays: A Theory of Modeling for Computer-Aided Instruction*. Cambridge, MA/London: M.I.T. Press 1977, 23 S. Manuskript
- CARR, L./DAVIS, H./HALL, W.: Experimenting with HyTime Architectural Forms for Hypertext Interchange. In: *Information Services and Use* 2 13 (1993) 111-119
- CARROLL, J.M.: *The Nuremberg Funnel: Designing Minimalist Instruction for Practical Computer Skills*. Cambridge/London: The M.I.T. Press 1990
- CARROLL, J.M. (ed): *Designing Interaction: Psychology at the Human-Computer Interface*. Cambridge: Cambridge University Press 1991a
- CARROLL, J.M.: History and Hysteresis in Theories and Frameworks for HCI. In: Diaper, D./Hammond, N. (eds): *People and Computers VI. Proceedings of the HCI '91 Conference*. (British Computer Society Conference Series; 3) Cambridge: Cambridge University Press (1991b) 47-55
- CARROLL, J.M./MACK, R.L./KELLOGG, W.A.: Interface Metaphors and User Interface Design. In: Helander, M. (ed): *Handbook of Human-Computer Interaction*. Amsterdam: North-Holland (1988) 67-85
- CASE, R./BEREITER, C. (eds): From Behaviorism to Cognitive Behaviorism to Cognitive Development: Steps in the Evolution of Instructional Design. In: *Instructional Science* 13 (1984) 141-158

- CASEY, C.: Transactions and Answer Judging in Multimedia Instruction: A Way to Transact with Features Appearing in Video and Graphic Images. In: *Journal of Computer-Based Instruction* 4 19 (1992) 131-136
- CASTLE, J.G., JR.: Design of Interactive Computer Systems for Educational Purposes: One View of the Proposal for the University of Illinois. In: Holtzman, W.H. (ed): *Computer-Assisted Instruction, Testing, and Guidance*. New York/Evanston/London: Harper & Row (1970) 30-38
- CATES, W.M.: Fifteen Principles for Designing More Effective Instructional Hypermedia/Multimedia Products. In: *Educational Technology* 12 32 (1992) 5-11
- CATLIN, T.J.O./BUSH, P.E./YANKOLOVICII, N.: InterNote: Extending a Hypermedia Framework to Support Annotative Collaboration. In: *Proceedings of the ACM Hypertext '89 Conference* (Pittsburgh, PA, November 5-8, 1989) New York: ACM (1989) 365-378
- CATLIN, T.J.O./SMITH, K.E.: Anchors for Shifting Tides: Designing a 'scaworthy' Hypermedia System. In: *Proceedings of the Online Information '88 Conference* London (1988) 15-25
- CHABAY, R.W./SHERWOOD, B.A.: A Practical Guide for the Creation of Educational Software. In: Larkin, J.H./Chabay, R.W. (eds): *Computer-Assisted Instruction and Intelligent Tutoring Systems. Shared Goals and Complementary Approaches*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1992) 151-186
- CHADWICK, J.: The Development of a Museum Multimedia Program and the Effect of Audio on User Completion Rate. In: *Journal of Educational Multimedia and Hypermedia* 3 1 (1992) 331-340
- CHAMBERS, J.A./SPRECHER, J.W.: Computer Assisted Instruction: Current Trends and Critical Issues. In: *Communications of the ACM* 6 23 (1980) 332-342
- CHI, M.T.H./BASSOK, M.: Learning from Examples via Self-Explanations. In: Resnick, L.B. (ed): *Knowing, Learning, and Instruction. Essays in Honor of Robert Glaser*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1989) 251-282
- CHIMERA, R./SHNEIDERMAN, B.: An Exploratory Evaluation of Three Interfaces for Browsing Large Hierarchical Tables of Contents. In: *ACM Transactions on Information Systems* 4 12 (1994) 383-406
- CHIU, G.-F.: Situated Learning, Metaphors, and Computer-Based Learning Environments. In: *Educational Technology* 8 32 (1992) 7-11
- CHOMSKY, C.: Books on Videodisc: Computers, Video, and Reading Aloud to Children. In: Nix, D./Spiro, R.J. (eds): *Cognition, Education, and Multimedia. Exploring Ideas in High Technology*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1990) 31-47
- CHRISTEL, M.G.: The Role of Visual Fidelity in Computer-Based Instruction. In: *Human-Computer Interaction* 2 9 (1994) 183-223
- CHRISTENSEN, L.C./BODEY, M.R.: A Structure for Creating Quality Software. In: *Collegiate Microcomputer* 3 8 (1990) 201-209
- CHRISTMANN, U.: Modelle der Textverarbeitung: Textbeschreibung als Textverstehen. (Arbeiten zur sozialwissenschaftlichen Psychologie; Heft 21) Münster: Aschendorff 1989
- CHUNG, J./REIGELUTH, C.M.: Instructional Prescriptions for Learner Control. In: *Educational Technology* 10 32 (1992) 14-20
- CLANCEY, W.J.: Tutoring Rules for Guiding a Case Method Dialogue. In: Sleeman, D./Brown, J.S. (eds): *Intelligent Tutoring Systems*. Boston u.a.: Academic Press (1982) 201-225
- CLANCEY, W.J.: GUIDON. In: *Journal of Computer-Based Instruction* 1 10 (1983) 8-15
- CLANCEY, W.J.: Methodology for Building an Intelligent Tutoring System. In: Kearsley, G.P. (ed): *Artificial Intelligence and Instruction*. Reading, MA. u.a.: Addison-Wesley (1987) 193-227
- CLANCEY, W.J.: The Knowledge Engineer as Student: Metacognitive Bases for Asking Good Questions. In: Mandl, H./Lesgold, A.M. (eds): *Learning Issues for Intelligent Tutoring Systems*. Berlin/Heidelberg: Springer (1988a) 80-113
- CLANCEY, W.J.: The Role of Qualitative Models in Instruction. In: Self, J. (ed): *Artificial Intelligence and Human Learning: Intelligent Computer-Aided Instruction*. London: Chapman & Hall (1988b) 49-68
- CLANCEY, W.J.: Situated Cognition and Intelligent Tutoring Systems. In: Maurer, H. (ed): *Computer Assisted Learning. Proceedings 2 Int. Conf. ICCAL*. (Lecture Notes in Computer Science; 360) Berlin/Heidelberg: Springer (1989) 31-37
- CLANCEY, W.J.: The Frame of Reference Problem in the Design of Intelligent Machines. In: VanLehn, K. (ed):

- Architectures for Intelligence. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1991)
- CLANCEY, W.J.: Guidon-Manager Revisited: A Socio-Technical Systems Approach. In: Frasson, C./Gauthier, G./McCalla, G.I. (eds): Intelligent Tutoring Systems. Second International Conference ITS '92 (Lecture Notes in Computer Science; 608) Berlin/Heidelberg: Springer (1992) 21-36
- CLANCEY, W.J.: Representations of Knowing: In Defense of Cognitive Apprenticeship. In: Journal of Artificial Intelligence in Education 2 3 (1992) 139-168
- CLANCEY, W.J.: Guidon-Manager Revisited: A Socio-Technical Systems Approach. In: Journal of Artificial Intelligence in Education 1 4 (1993) 5-34
- CLARK, R.E.: Reconsidering Research on Learning from Media. In: Review of Educational Research 4 52 (1983) 445-459
- CLARK, R.E.: Confounding in Educational Computing Research. In: Journal of Educational Computing Research 2 1 (1985) 137-148
- CLARK, R.E.: The Importance of Treatment Explication: A Reply to J. Kulik, C-L. Kulik and R. Bangert-Drowns. In: Journal of Educational Computing Research 4 1 (1985) 389-393
- CLARK, R.E.: Evidence of Confounding in Computer-Based Instruction Studies: Analyzing the Meta-Analyses. In: Educational Communication and Technology Journal 4 33 (1986) 249-262
- CLARK, R.E.: Current Progress and Future Directions for Research on Instructional Technology. In: Educational Technology, Research and Development 1 37 (1989) 57-66
- CLARK, R.E.: Facilitating Domain-General Problem Solving: Computers, Cognitive Processes and Instruction. In: De Corte, E./Linn, M.C. et al (eds): Computer-Based Learning Environments and Problem Solving (NATO ASI Series. Series F: Computer and Systems Sciences; 84) Berlin/Heidelberg: Springer (1992) 265-285
- CLARK, R.E./CRAIG, T.G.: Research and Theory on Multi-Media Learning Effects. In: Giardina, M. (ed): Interactive Multimedia Learning Environments. Human Factors and Technical Considerations on Design Issues (NATO ASI Series. Series F: Computer and Systems Sciences; 93) Berlin/Heidelberg: Springer (1992) 19-30
- CLEMENT, J.: Learning via Model Construction and Criticism: Protocol Evidence on Sources of Creativity in Science. In: Glover, G./Ronning, R./Reynolds, C. (eds): Handbook of Creativity: Assessment, Theory and Research. New York: Plenum (1989) 341-381
- COGNITION AND TECHNOLOGY GROUP AT VANDERBILT: An anchored instruction approach to cognitive skills acquisition and intelligent tutoring. In: Regian, J.W./Shute, V.J. (eds): Cognitive Approaches to Automated Instruction. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1992) 135-166
- COGNITION AND TECHNOLOGY GROUP AT VANDERBILT: Designing Learning Environments That Support Thinking: The Jasper Series as a Case Study. In: Duffy, T.M./Lowyck, J./Jonassen, D.H. (eds): Designing Environments for Constructive Learning (NATO ASI Series. Series F: Computer and Systems Sciences; 105) Berlin/Heidelberg: Springer (1993) 9-36
- COHEN, V.B.: A Reexamination of Feedback in Computer-Based Instruction: Implications for Instructional Design. In: Educational Technology 1 25 (1985) 33-37
- COLLIER, G.H.: THOTH-II: Hypertext with Explicit Semantics. In: Proceedings of the ACM-Hypertext '87 Conference, Chapel Hill, NC (1987) 269-289
- COLLINS, A./BROWN, J.S.: The Computer as a Tool for Learning Through Reflection. In: Mandl, H./Lesgold, A.M. (eds): Learning Issues for Intelligent Tutoring Systems. Berlin/Heidelberg: Springer (1988) 1-18
- COLLINS, A./BROWN, J.S./NEWMAN, S.E.: Cognitive Apprenticeship: Teaching the Crafts of Reading, Writing and Mathematics. In: Resnick, L.B. (ed): Knowing, Learning, and Instruction. Essays in Honor of Robert Glaser. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1989) 453-494
- COLLIS, B.: Societal and Organizational Influences on Integration: What About Networking? In: Watson, D./Tinsley, D. (eds): Integrating Information Technology into Education. London u.a.: Chapman & Hall (1995) 249-262
- CONKLIN, J.: Hypertext: An Introduction and Survey. In: IEEE Computer Sept. 20 (1987) 17-41
- CONKLIN, J./BEGEMAN, M.L.: gIBIS: A Hypertext Tool for Exploratory Policy Discussion. In: ACM Transactions on Office Information Systems 4 6 (1988) 303-331

- COOK, E.K./KAZLAUSKAS, E.J.: The Cognitive and Behavioral Basis of an Instructional Design: Using CBT to Teach Technical Information and Learning Strategies. In: *Journal of Educational Technology Systems* 4 21 (1993) 287-302
- COOK, P.: Multimedia Technology: An Encyclopedia Publisher's Perspective. In: Ambron, S./Hooper, K. (eds): *Interactive Multimedia: Visions of Multimedia for Developers, Educators and Information Providers*. Redmond: Microsoft Press (1988) 217-240
- COOPER, P.A.: Paradigm Shifts in Designed Instruction: From Behaviorism to Cognitivism to Constructivism. In: *Educational Technology* 5 33 (1993) 12-19
- CORDELL, B.J.: A Study of Learning Styles and Computer-Assisted Instruction. In: *Computers and Education* 2 16 (1991) 175-183
- COSTA, E.: The Present and Future of Intelligent Tutoring Systems. In: Scanlon, E./O'Shea, T. (eds): *New Directions in Educational Technology (NATO ASI Series. Series F: Computer and Systems Sciences; 96)* Berlin/Heidelberg: Springer (1992) 97-106
- CRANE, G./MYLONAS, E.: The Perseus Project: An Interactive Curriculum on Classical Greek Civilization. In: *Educational Technology* 11 28 (1988) 25-32
- CRANE, G./MYLONAS, E.: Ancient Materials, Modern Media: Shaping the Study of Classics with Hypermedia. In: Delany, P./Landow, G. P. (eds): *Hypermedia and Literary Studies*. Cambridge/London: M.I.T. Press (1991) 205-220
- CRUECH, M.L./FREEZE, D.F./GRISS, M.L.: Using Hypertext in Selecting Reusable Software Components. In: *Proceedings of the ACM Hypertext '91 Conference*. San Antonio, TX, December 15-18, 1991. 25-38
- CROFT, W.B./TURTLE, H.R.: Retrieval Strategies for Hypertext. In: *Information Processing and Management* 3 29 (1993) 313-324
- CRONIN, M.W.: Teaching Listening Skills via Interactive Videodisc. In: *T.H.F. Journal* 5 21 (1993) 62-68
- CRONIN, M.W./CRONIN, K.A.: Recent Empirical Studies of the Pedagogical Effects of Interactive Video Instruction in »Soft Skill« Areas. In: *Journal of Computing in Higher Education* 2 3 (1992) 53-85
- CSSO 1994 (Council of Chief State School Officers): Improving Student Performance Through Learning Technologies. Policy Statement 1991. In: Ely, D.P./Minor, B.B. (eds): *Educational Media and Technology Yearbook (Educational Media and Technology Yearbook; 19)* Englewood, CO: Libraries Unlimited (1994) 74-81
- CUNNINGHAM, D.J.: Assessing Constructions and Constructing Assessments: A Dialogue. In: Duffy, T.M./Jonassen, D.H. (eds): *Constructivism and the Technology of Instruction: A Conversation*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1992) 35-44
- CUNNINGHAM, D.J./DUFFY, T.M./KNUTH, R.A.: The Textbook of the Future. In: McKnight, C./Dillon, A./Richardson, J. (eds): *Hypertext: A Psychological Perspective*. Chichester, England: Ellis Horwood (1992) 19-50
- CYRANEK, G.: Entwicklungsrichtungen von Lernumgebungen und die Versprechungen der Künstlichen Intelligenz. In: Landesinstitut für Schule und Weiterbildung (ed): *Neue Technologien und Zukunftsperspektiven des Lernens*. Soest: Soester Verlagskontor (1990) 116-137
- CZIKO, G.A.: Unpredictability and Indeterminism in Human Behavior: Arguments and Implications for Educational Research. In: *Educational Researcher* 3 18 (1989) 17-25
- DALTON, D.W.: The Effects of Cooperative Learning Strategies on Achievement and Attitudes during Interactive Video. In: *Journal of Computer-Based Instruction* 1 17 (1990) 8-16
- DAVID, A.A./THIERY, O./CREHANGE, M.: Intelligent Hypermedia in Education. In: Maurer, H. (ed): *Computer Assisted Learning. Proceedings 2 Int. Conf. ICCAL (Lecture Notes in Computer Science; 360)* Berlin/Heidelberg: Springer (1989) 53-64
- DAVIS, B.: Prototyping Multimedia: Lessons from the Visual Computing Group at Project Athena Center for Educational Computing Initiative. In: Barrett, E. (ed): *Sociomedia: Multimedia, Hypermedia, and the Social Construction of Knowledge. Technical Communication and Information Systems*. Cambridge/London: M.I.T. Press (1992) 391-411
- DE BONO, E.: *Teaching Thinking*. London: Maurice Temple Smith 1976
- DE CORTE, E./VERSCHAFFEL, L./SCHROOTEN, H.: Kognitive Effekte computergestützten Lernens: Zum Stand der Forschung. In: *Unterrichtswissenschaft* 1 20 (1992) 12-33

- DE CORTE, E.: Toward the Integration of Computers in Powerful Learning Environments. In: Vosniadou, S./De Corte, E./Mandl, H. (eds): *Technology-Based Learning Environments. Psychological and Educational Foundations*. Berlin/Heidelberg: Springer (1994) 19-25
- DE DIANA, I.P.F.: Electronic Study Book Platforms. In: *Educational and Training Technology International* 4 28 (1991) 347-354
- DE HOOG, R./DE JONG, T./DE VRIES, F.: Interfaces for Instructional Use of Simulations. In: *Education and Computing* 6 (1991) 359-385
- DE JONG, T./NJOO, M.: Learning and Instruction with Computer Simulations: Learning Processes Involved. In: De Corte, E./Linn, M.C. et al (eds): *Computer-Based Learning Environments and Problem Solving (NATO ASI Series. Series F: Computer and Systems Sciences; 84)* Berlin/Heidelberg: Springer (1992) 411-427
- DE LA PASSARDIÈRE, B.: A CAI Environment for HyperCard. In: Maurer, H. (ed): *Computer Assisted Learning. Proceedings 2 Int. Conf. ICCAL (Lecture Notes in Computer Science; 360)* Berlin/Heidelberg: Springer (1989) 292-307
- DE MOURA GUIMARÃES, A./DIAS, R.: Some Considerations for the Design and Implementation of an Instructional HyperCard-Based Simulation. In: *Simulation Games for Learning* 1 22 (1992) 16-31
- DE VRIES, S.A./KOMMERS, P.A.M.: Concept Mapping as a Mind Tool for Exploratory Learning. In: Maurer, H. (ed): *Educational Multimedia and Hypermedia Annual, 1993. Proceedings of ED-MEDIA 93 World Conference on Educational Media and Hypermedia (Orlando, Florida, June 23-26, 1993)*. Charlottesville, VA: Ass. for the Advancem. of Computing in Education (1993) 139-148
- DE YOUNG, L.: Hypertext Challenges in the Auditing Domain. In: *Proceedings of the ACM Hypertext '89 Conference (Pittsburgh, PA, November 5-8, 1989)* New York: ACM (1989) 169-180
- DE YOUNG, L.: Linking Considered Harmful. In: Rizk, A./Streitz, N.A./André, J. (eds): *Hypertext: Concepts, Systems, and Applications. Proceedings of the ECHT'90 European Conference on Hypertext INRIA*. Cambridge: Cambridge University Press (1990) 238-249
- DECKER, R./HIRSHFIELD, S. ET AL: Computer-Assisted Instruction in the Liberal Arts Using a Simple Authoring System. In: *Journal of Computing in Higher Education* 1 1 (1989) 21-38
- DEDE, C./NEWMAN, D.: Differentiating Between Intelligent Tutoring Systems and Intelligent Agents. In: *Journal of Artificial Intelligence in Education* 4 4 (1993) 305-307
- DEGI, INNOCENTI, R./FERRARIS, M.: Database as a Tool for Promoting Research Activities in the Classroom: An Example in Teaching Humanities. In: *Computers and Education* 1 12 (1988) 157-162
- DELANY, P./GILBERT, J.K.: HyperCard Stacks for Fielding's Joseph Andrews: Issues of Design and Content. In: Delany, P./Landow, G. P. (eds): *Hypermedia and Literary Studies*. Cambridge/London: M.I.T. Press (1991) 287-297
- DEPOVER, C./QUINTIN, J.-J.: Learner Control versus Computer Control in a Professional Training Context. In: Giardina, M. (ed): *Interactive Multimedia Learning Environments. Human Factors and Technical Considerations on Design Issues (NATO ASI Series. Series F: Computer and Systems Sciences; 93)* Berlin/Heidelberg: Springer (1992) 234-247
- DESSIPRIS, N.G./PANDERMALIS, D. ET AL: The Electronic Guide at the Museum of Dion. In: *Information Services and Use* 4 13 (1993) 313-322
- DIAPER, D./ADDISON, M.: User Modelling: The Task Oriented Modelling (TOM) Approach to the Designer's Model. In: Diaper, D./Hammond, N. (eds): *People and Computers VI. Proceedings of the HCI '91 Conference (British Computer Society Conference Series; 3)* Cambridge: Cambridge University Press (1991) 387-402
- DIAPER, D./RAIDA, R.: Expertext: Hyperizing Expert Systems and Expertizing Hypertext. In: Brown, H. (ed): *Hypermedia/Hypertext and Object Oriented Databases*. London: Chapman & Hall (1991) 125-163
- DIAZ, L.: PathMAC: An Alternative Approach to Medical School Education at Cornell School of Medicine. In: Berk, E./Devlin, J. (eds): *Hypertext/Hypermedia Handbook*. New York: McGraw-Hill (1991) 488-492
- DICK, W.: An Instructional Designer's View of Constructivism. In: *Educational Technology* 5 31 (1991) 41-44
- DILLENBOURG, P.: The Computer as Constructorium: Tools for Observing One's Own Learning. In: Moysse, R./Elsom-Cook, M.T. (eds): *Knowledge Negotiation*. London: Academic Press (1992) 185-198
- DILLENBOURG, P./MENDELSON, P.: A Genetic Structure for the Interaction Space. In: Costa, E. (ed): *New Directions for Intelligent Tutoring Systems (NATO ASI Series. Series F: Computer and Systems Sciences; 91)*

- Berlin/Heidelberg: Springer (1992) 15-27
- DILLENBOURG, P./SCHNEIDER, D.: Designers did Not Wait for Situationists: A Response to Clancey's Viewpoint »Guidon-Manager Revisited: A Socio-Technical Systems Approach«. In: *Journal of Artificial Intelligence in Education* 1 4 (1993) 41-48
- DILLENBOURG, P./SELF, J.: A Framework for Learner Modelling. In: *Interactive Learning Environments* 2 2 (1992) 111-137
- DILLON, A.: Designing the Human-Computer Interface to Hypermedia Applications. In: Jonassen, D.H./Mandl, H. (eds): *Designing Hypermedia for Learning* (NATO ASI Series. Series F: Computer and Systems Sciences; 67) Berlin/Heidelberg: Springer (1990) 185-195
- DILLON, A.: Human Factors Issues in the Design of Hypermedia Interfaces. In: Brown, H. (ed): *Hypermedia/Hypertext and Object Oriented Databases*. London: Chapman & Hall (1991b) 93-105
- DILLON, A.: Readers' Models of Text Structures: The Case of Academic Articles. In: *International Journal of Man-Machine Studies* 6 35 (1991c) 913-925
- DILLON, A./MCKNIGHT, C.: Towards a Classification of Text Types: A Repertory Grid Approach. In: *International Journal of Man-Machine Studies* 6 33 (1990) 623-636
- DILLON, A./MCKNIGHT, C./RICHARDSON, J.: Navigation in Hypertext: A Critical Review of the Concept. In: *Proceedings of the INTERACT '90 Third IFIP Conference on Human-Computer Interaction* (Cambridge, UK, 27-31 August) 1990, 587-592
- DILLON, A./MCKNIGHT, C./RICHARDSON, J.: Space – the Final Chapter or Why Physical Representations are not Semantic Intentions. In: McKnight, C./Dillon, A./Richardson, J. (eds): *Hypertext: A Psychological Perspective*. Chichester, England: Ellis Horwood (1992) 169-192
- DILLON, A./MCKNIGHT, C.: Never Mind the Theory, Feel the Data: Observations on the Methodological Problems of User Interface Design. In: Schuler, W./Hannemann, J./Streitz, N.A. (eds): *Designing User Interfaces for Hypermedia* (Research Reports ESPRIT) Berlin/Heidelberg: Springer (1995) 117-125
- DILLON, M. (ed): *Interfaces for Information Retrieval and Online Systems: The State of the Art*. New York: Greenwood Press 1991
- DISESSA, A.A.: Social Niches for Future Software. In: Gardner, M./Greeno, J.G. et al (eds): *Toward a Scientific Practice of Science Education*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1990) 301-322
- DISESSA, A.A.: Images of Learning. In: De Corte, E./Linn, M.C. et al (eds): *Computer-Based Learning Environments and Problem Solving* (NATO ASI Series. Series F: Computer and Systems Sciences; 84) Berlin/Heidelberg: Springer (1992) 19-40
- DISIPIO, M.: Memory for Connected Discourse: A Constructivist View. In: *Review of Educational Research* 2 52 (1982) 149-174
- DÖRNER, D.: *Problemlösen als Informationsverarbeitung*. Stuttgart: Kohlhammer 1976
- DÖRNER, D./KRAUSIG, H.W. ET AL (eds): *Lohhausen. Vom Umgang mit Unbestimmtheit und Komplexität*. Bern/Stuttgart/Wien: Hans Huber 1983
- DOWNS, R.M./STEA, D.: Cognitive Maps and Spatial Behaviour: Process and Product. In: Downs, R.M./Stea, D. (eds): *Image and Environment*. London: Edward Arnold (1973)
- DREYFUS, A./JUNGWIRTH, E./ELJOVITCH, R.: Applying the »Cognitive Conflict« Strategy for Conceptual Change: Some Implications, Difficulties, and Problems. In: *Science Education* 5 74 (1990) 555-569
- DREYFUS, H.L.: *Die Grenzen künstlicher Intelligenz*. Königstein: Athenäum/VVA 1985
- DU BOULAY, B.: Towards More Versatile Tutors for Programming. In: Scanlon, E./O'Shea, T. (eds): *New Directions in Educational Technology* (NATO ASI Series. Series F: Computer and Systems Sciences; 96) Berlin/Heidelberg: Springer (1992) 191-198
- DUCHASTEL, PH.C.: Knowledge-based Instructional Gaming: GEO. In: *Journal of Educational Technology Systems* 12 17 (1989) 189-203
- DUCHASTEL, PH.C.: Integrating HyperMedia into Intelligent Tutoring. In: Giardina, M. (ed): *Interactive Multimedia Learning Environments. Human Factors and Technical Considerations on Design Issues* (NATO ASI Series. Series F: Computer and Systems Sciences; 93) Berlin/Heidelberg: Springer (1992a) 67-74
- DUCHASTEL, PH.C.: Integrating HyperMedia into Intelligent Tutoring. In: Oliveira, A. (ed): *Hypermedia Courseware: Structures of Communication and Intelligent Help* (NATO ASI Series. Series F: Computer and Sy-

- stems Sciences; 92) Berlin/Heidelberg: Springer (1992b) 198-204
- DUCHASTEL, P.H.C.: Towards Methodologies for Building Knowledge-Based Instructional Systems. In: *Instructional Science* 5/6 20 (1992c) 349-358
- DUFFIELD, J.A.: Designing computer software for problem-solving instruction. In: *Educational Technology, Research and Development* 1 39 (1991) 50-62
- DUFFY, T.M./BEDNAR, A.K.: Attempting to Come to Grips with Alternative Perspectives. In: *Educational Technology* 9 31 (1991) 12-15
- DUFFY, T.M./JONASSEN, D.H. (eds): *Constructivism and the Technology of Instruction: A Conversation*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1992
- DUFFY, T.M./KNUTH, R.A.: Hypermedia and Instruction: Where is the Match? In: Jonassen, D.H./Mandl, H. (eds): *Designing Hypermedia for Learning (NATO ASI Series. Series F: Computer and Systems Sciences; 67)* Berlin/Heidelberg: Springer (1990) 199-225
- DUFFY, T.M./LOWYCK, J./JONASSEN, D.H. (eds): *Designing Environments for Constructive Learning (NATO ASI Series. Series F: Computer and Systems Sciences; 105)* Berlin/Heidelberg: Springer 1993
- DUNLAP, J.C./GRABINGER, R.S.: Cognitive Maps Before and After Using a Knowledge Construction Environment. In: Troutner, H. (ed): *Proceedings of the 34th Annual International Conference of the Association for the Development of Computer-Based Instructional Systems*. Norfolk, VA (1992) 111-120
- DUNLOP, M.D./VAN RIJSBERGEN, C.J.: Hypermedia and Free Text Retrieval. In: *Information Processing and Management* 3 29 (1993) 287-298
- ECO, U.: Hypermedia for Teaching and Learning: A Multimedia Guide to the History of European Civilization (MuG). In: Lucarella, D./Nanard, J. et al (eds): *Proceedings of the 4th ACM ECHT '92 Conference on Hypertext (Milano, Italy, November 30-December 4, 1992)*. New York: ACM (1992) 288
- EDELSON, D.C.: Socrates, Aesops and the Computer: Questioning and Storytelling with Multimedia. In: *Journal of Educational Multimedia and Hypermedia* 4 2 (1993) 393-404
- EDWARDS, A.D.N.: Redundancy and Adaptability. In: Edwards, A.D.N./Holland, S. (eds): *Multimedia Interface Design in Education*. 2. Aufl. 1994 (NATO ASI Series. Series F: Computer and Systems Sciences; 76) Berlin/Heidelberg: Springer (1992) 145-155
- EDWARDS, D.M./HARDMAN, L.: 'Lost in Hyperspace': Cognitive Mapping and Navigation in a Hypertext Environment. In: McAleese, R. (ed): *Hypertext: Theory into Practice*. Oxford: Intellect Books (1989) 105-125
- EDWARDS, D.M./HARDMAN, L.: 'Lost in hyperspace': cognitive mapping and navigation in a hypertext environment. In: McAleese, R. (ed): *Hypertext: Theory into Practice*. Oxford: Blackwell (1993) 90-105
- EGAN, D.E./REMDE, J.R. ET AL (1989a): Acquiring Information in Books and SuperBooks. In: *Machine-Mediated Learning* 3 (1989) 259-277
- EGAN, D.E./REMDE, J.R. ET AL (1989b): Behavioral Evaluation and Analysis of a Hypertext Browser. In: Bycc, K./Clayton, L. (Eds): *Proceedings of the CHI '89 'Wings for the Mind' Conference*. Austin, TX. April 30-May 4 1989. 205-210
- EGIDO, C./PATTERSON, J.F.: Pictures and Category Labels as Navigational Aids for Catalog Browsing. In: Soloway, E./Fryc, D./Sheppard, S.B. (eds): *Proceedings of the CHI'88: Human Factors in Computing Systems*. Washington, DC: ACM Press (1988) 127-132
- ELLIS, D./FORD, N./WOOD, F.: Hypertext and Learning Styles. In: *The Electronic Library* 1 11 (1993) 13-18
- ELSHOUT, J.J.: Formal Education vs. Everyday Learning. In: De Corte, E./Linn, M.C. et al (eds): *Computer-Based Learning Environments and Problem Solving (NATO ASI Series. Series F: Computer and Systems Sciences; 84)* Berlin/Heidelberg: Springer (1992) 5-17
- ELSON-COOK, M.T.: Guided Discovery Tutoring and Bounded User Modelling. In: Self, J. (ed): *Artificial Intelligence and Human Learning: Intelligent Computer-Aided Instruction*. London: Chapman & Hall (1988) 165-178
- ELSON-COOK, M.T. (ed): *Guided Discovery Tutoring. A Framework for ICAI Research*. London: Paul Chapman Publ. 1990
- ELSON-COOK, M.T.: Multimedia: The Emperor's New Clothes [Editorial]. In: *DLT News* 6 (1991) 1-2
- ELSON-COOK, M.T.: Student Modelling in Intelligent Tutoring Systems. In: *Artificial Intelligence Review* 3-4 7 (1993) 227-240

- ELSON-COOK, M.T./O'MALLEY, C.E.: ECAI: Bridging the Gap between CAL and Intelligent Tutoring Systems. In: *Computers and Education* 1-3 15 (1990) 69-81
- ELY, D.P./MINOR, B.B. (eds): *Educational Media and Technology Yearbook (Educational Media and Technology Yearbook; 19)* Englewood, CO: Libraries Unlimited 1994
- ENGEL, F.L./BOUWHUIS, D.G. ET AL (eds): *Cognitive Modelling and Interactive Environments in Language Learning (NATO ASI Series F: Computer and Systems Sciences; 87)* Berlin/Heidelberg: Springer 1992
- ENGELBART, D.: The Augmented Knowledge Workshop. In: Goldberg, A. (ed): *A History of Personal Workstations*. Reading, MA, u.a.: Addison-Wesley (1988) 187-236
- ENTWISTLE, N.: *Approaches to Teaching and Learning*. In: Entwistle, N. (ed): *Strategies for Research and Development in Higher Education*. Amsterdam (1976) 9-26
- ENTWISTLE, N./ENTWISTLE, A./TAIT, H.: Academic Understanding and Contexts to Enhance It: A Perspective from Research on Student Learning. In: Duffy, T.M./Lowyck, J./Jonassen, D.H. (eds): *Designing Environments for Constructive Learning (NATO ASI Series. Series F: Computer and Systems Sciences; 105)* Berlin/Heidelberg: Springer (1993) 331-357
- ENTWISTLE, N./HOUSSELL, D. (eds): *How Students Learn*. Lancaster 1975
- ESHELMAN, I.: MOLE: A Knowledge Acquisition Tool that Buries Certainty Factors. In: Boose, J.H./Gaines, B.R. (eds): *The Foundations of Knowledge Acquisition (The Knowledge-Based Systems Series)* Harcourt-Brace Jovanovich (1990) 203-218
- ESLAND, G.M.: Teaching and Learning as the Organization of Knowledge. In: Young, M.F.D. (ed): *Knowledge and Control. New Directions for the Sociology of Education*. London: Collier Macmillan (1971) 70-117
- ESPÉRET, E.: Hypertext Processing: Can We Forget Textual Psycholinguistics? In: Oliveira, A. (ed): *Hypermedia Courseware: Structures of Communication and Intelligent Help (NATO ASI Series. Series F: Computer and Systems Sciences; 92)* Berlin/Heidelberg: Springer (1992) 112-119
- EULER, D.: Computerunterstütztes Lernen – Möglichkeiten und Grenzen aus didaktischer Sicht. In: Landesinstitut für Schule und Weiterbildung (ed): *Neue Technologien und Zukunftsperspektiven des Lernens*. Soest: Soester Verlagskontor (1990) 178-188
- EULER, D./TWARDY, M.: Whatever the Orientation, Creativity is Demanded. In: Bernold, T./Finkelstein, J. (eds): *Computer Assisted Approaches to Training*. Amsterdam: North-Holland (1988) 91-104
- EVENSON, S./RHEINFRANK/WULF, W.: Towards a Design Language for Representing Hypermedia Clues. In: *Proceedings of the ACM Hypertext '89 Conference (Pittsburgh, PA, November 5-8, 1989)*. New York: ACM (1989) 83-92
- FAIRCHILD, K.M./MEREDITH, G./WEXELBLAT, A.: The Tourist Artificial Reality. In: Bice, K./Lewis, C. (eds): *Proceedings of the CHI'89: Wings for the Mind*. New York: ACM (1989) 299-304
- FAIRCHILD, K.M./POLTROCK, S.: *Soaring Through Knowledge Space: SemNet 2.1*. Microelectronics and Computer Techn. Corp. (MCC): Austin, TX 1986 (Video)
- FAIRCHILD, K.M./POLTROCK, S./FURNAS, G.W.: SemNet: Three-Dimensional Graphic Representations of Large Knowledge Bases. In: Guindon, R. (ed): *Cognitive Science and its Applications for Human-Computer Interaction*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 201-233
- FANKIÄNEL, K./SCHLAGETER, G./STERN, W.: *Lehrsysteme für Personal Computer. Autoren- und Tutorssysteme*. Fernuniversität Hagen 1988 Manuskript (unveröffentl.)
- FARMER, L.-S. J.: Research on Research Strategies Instruction: Computer vs. Lecture. In: *Journal of Youth Services in Libraries* 1 7 (1993) 74-76
- FARR, M.J./PSOTKA, J. (eds): *Intelligent Instruction by Computer: Theory and Practice*. Philadelphia, PA: Taylor & Francis 1992
- FAWVER, A.L./BRANCH, C.E. ET AL: A Comparison of Interactive Videodisc Instruction with Live Animal Laboratories. In: *Advances in Physiology Education* 1 4 (1990) 11-14
- FEINER, S./MACINTYRE, B./SELIGMANN, D.: Knowledge-Based Augmented Reality. In: *Communications of the ACM* 7 36 (1993) 53-62
- FELDMAN, T.: *Multimedia*. London, Glasgow u.a.: Blueprint 1994
- FERGUSON, D.L.: Computers in Teaching and Learning: An Interpretation of Current Practices and Suggestions for Future Directions. In: Scanlon, E./O'Shea, T. (eds): *New Directions in Educational Technology*

- (NATO ASI Series F: Computer and Systems Sciences; 96) Berlin/Heidelberg: Springer (1992) 34-50
- FERM, R./KINDBORG, M./KOLLERBAUR, A.: A Flexible Negotiable Interactive Learning Environment. In: Diaper, D./Winder, R. (eds): *People and Computers III* (British Computer Society Conference Series; 3) Cambridge: Cambridge University Press (1987) 103-113
- FESTINGER, L.: *A Theory of Cognitive Dissonance*. Stanford, CA.: Stanford University Press 1968
- FISCHER, P.M.: Wissenserwerb mit interaktiven Feedbacksystemen. In: Mandl, H./Fischer, P.M. (eds): *Lernen im Dialog mit dem Computer*. München/Wien/Baltimore: Urban & Schwarzenberg (1985) 68-82
- FISCHER, P.M./MANDL, H.: Improvement of the Acquisition of Knowledge by Informing Feedback. In: Mandl, H./Lesgold, A.M. (eds): *Learning Issues for Intelligent Tutoring Systems*. Berlin/Heidelberg: Springer (1988) 187-241
- FISCHER, P.M./MANDL, H.: Toward a Psychophysics of Hypermedia. In: Jonassen, D.H./Mandl, H. (eds): *Designing Hypermedia for Learning* (NATO ASI Series. Series F: Computer and Systems Sciences; 67) Berlin/Heidelberg: Springer (1990) XIX-XXV
- FISHER, K.M.: SemNet: A Tool for Personal Knowledge Construction. In: Kommers, P.A.M./Jonassen, D.H./Mayes, J.T. (eds): *Cognitive Tools for Learning* (NATO ASI Series. Series F: Computer and Systems Sciences; 81) Berlin/Heidelberg: Springer (1992) 63-75
- FLANDERS, B.: Multimedia Programs to Reach an MTV Generation. In: *American Libraries* 2 23 (1992)
- FLECHSIG, K.-H.: Probleme der Entscheidungsfindung über Lernziele. In: Achtenhagen, F./Meyer, H.L. (eds): *Curriculumrevision. Möglichkeiten und Grenzen*. 2. Aufl. (1971) 243ff.
- FLETCHER, J.D.: Intelligent Instructional Systems in Training. In: Andriole, S.A. (ed): *Applications in Artificial Intelligence*. Princeton, NJ: Petrocelli (1984)
- FLETCHER, J.D.: The Effectiveness and Cost of Interactive Videodisc Instruction. In: *Machine-Mediated Learning* 4 3 (1989) 361-385
- FLOYD, C.: Leitbilder für die Gestaltung interaktiver Systeme: Computer sind keine Partner für Menschen. In: Endres-Niggemeyer, B./Herrmann, T. et al (eds): *Interaktion und Kommunikation mit dem Computer* (Informatik-Fachberichte: Künstliche Intelligenz; 238) Berlin/Heidelberg: Springer (1990) 12-21
- FORD, L.: Intelligent Computer Aided Instruction. In: Lawler, R.W./Yazdani, M. (eds): *Artificial Intelligence and Education: Learning Environments and Tutoring Systems*. Vol. 1. Norwood, NJ: Ablex Publishing (1987) 106-126
- FORMAN, G./PUFALL, P.B. (eds): *Constructivism in the Computer Age*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1988
- FORRESTER, M.A.: A Conceptual Framework for Investigating Learning in Conversations. In: *Computers and Education* 1 17 (1991) 61-72
- FOSNOT, C.: Constructing Constructivism. In: Duffy, T.M./Jonassen, D.H. (eds): *Constructivism and the Technology of Instruction: A Conversation*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1992) 167-176
- FOUNTAIN, A.M./HALL, W. ET AL: MICROCOSM: An Open Model for Hypermedia With Dynamic Linking. In: Rizk, A./Streitz, N.A./André, J. (eds): *Hypertext: Concepts, Systems, and Applications*. Proceedings of the ECHT'90 European Conference on Hypertext. INRIA. Cambridge: Cambridge University Press (1990) 298-311
- FOX, E.A.: Advances in Interactive Digital Multimedia Systems. In: *IEEE Computer* 10 24 (1991) 9-21
- FRANCI, L.J.: A Hypertext Glossary of Nematology. In: *Journal of Natural Resources and Life Sciences Education* 22 (1993) 153-155
- FRASER, B.J.: Research syntheses on school and instructional effectiveness. In: *International Journal of Educational Research* 13 (1989) 707-718
- FRAU, E./MIDORO, V./PEDEMONTI, G.M.: Do Hypermedia Systems Really Enhance Learning? A Case Study on Earthquake Education. In: *Educational and Training Technology International* 1 29 (1992) 42-51
- FRIEDLANDER, L.: The Shakespeare Project: Experiments in Multimedia. In: Delany, P./Landow, G. P. (eds): *Hypermedia and Literary Studies*. Cambridge/London: M.I.T. Press (1991) 257-271
- FRIEND, C.-L./COLE, C.-L.: Learner Control in Computer-Based Instruction: A Current Literature Review. In: *Educational Technology* 11 30 (1990) 47-49

- FROHLICH, D.: The Design Space of Interfaces. In: Kjeldahl, L. (ed): *Multimedia. Systems, Interaction and Applications*. (Eurographic Seminars). Berlin/Heidelberg: Springer (1992) 53-69
- FURHT, B.: *Multimedia Systems: An Overview*. In: *IEEE Multimedia 1* (1994) 47-59
- FURNAS, G.W.: *Generalized Fish-Eye Views*. In: *Proceedings of the ACM CHI '86 Conference* (Boston, MA 13-17 April, 1986) New York: ACM (1986) 16-23
- GAGNÉ, R.M.: *The Conditions of Learning and Theory of Instruction*. 1. Aufl. New York, NY: Holt, Rinehart & Winston 1965
- GAGNÉ, R.M./BRIGGS, I.J./WAGNER, R.: *Principles of Instructional Design*. 2.ed. New York, NY: Holt, Rinehart & Winston 1979
- GALBREATH, J.: The Educational Buzzword of the 1990's: Multimedia, or is it Hypermedia, or Interactive Multimedia, or ...? In: *Educational Technology 4 32* (1992) 15-19
- GARDNER, N./DARBY, J.: Using Computers in University Teaching: A Perspective on Key Issues. In: *Computers and Education 1-3 15* (1990) 27-32
- GARRUD, P./CHAPMAN, I.R. ET AL: Non-verbal Communication: Evaluation of a Computer-Assisted Learning Package. In: *Medical Education 6 27* (1993) 474-478
- GARSON, G.D.: Social Science Computer Simulation: Its History, Design, and Future. In: *Social Science Computer Review 1 12* (1994) 55-82
- GARZOTTO, F./MAINETTI, L./PAOLINI, P.: Hypermedia Application Design: A Structured Approach. In: Schuler, W./Hannemann, J./Streitz, N.A. (eds): *Designing User Interfaces for Hypermedia* (Research Reports ESPRIT) Berlin/Heidelberg: Springer (1995) 5-17
- GARZOTTO, F./SCHWABE, D./BERNSTLIN, M.: Tools for Designing Hyperdocuments. In: Berk, E./Devlin, J. (eds): *Hypertext/Hypermedia Handbook*. New York: McGraw-Hill (1991) 179-207
- GAVER, W.: Auditory Icons: Using Sound in Computer Interfaces. In: *Human-Computer Interaction 2 2* (1986) 167-177
- GAY, G./MAZUR, F.E.: Combining and Recombining Multimedia Story Elements. In: *Journal of Computing in Higher Education 2 2* (1991) 3-17
- GAY, G./MAZUR, J.: The Utility of Computer Tracking Tools for User-Centered Design. In: *Educational Technology 4 33* (1993) 45-59
- GAY, G./TRUMBULL, D./SMITH, J.: Perceptions of Control and Use of Control Options in Computer-Assisted Video Instruction. In: *TechTrends 5 33* (1988) 31-33
- GAYESKI, D.M.: Enhancing the Acceptance and Cultural Validity of Interactive Multi-Media. In: Giardina, M. (ed): *Interactive Multimedia Learning Environments. Human Factors and Technical Considerations on Design Issues* (NATO ASI Series. Series F: Computer and Systems Sciences; 93) Berlin/Heidelberg: Springer (1992) 83-94
- GENTNER, D.: Interfaces for Learning: Motivation and the Locus of Control. In: Engel, F.L./Bouwuis, D.G. et al (eds): *Cognitive Modelling and Interactive Environments in Language Learning* (NATO ASI Series. Series F: Computer and Systems Sciences; 87) Berlin/Heidelberg: Springer (1992) 227-237
- GENTNER, D./STEVENS, A.T. (eds): *Mental Models*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1983
- GIARDINA, M.: Interactivity and Intelligent Advisory Strategies in a Multimedia Learning Environment: Human Factors, Design Issues and Technical Considerations. In: Giardina, M. (ed): *Interactive Multimedia Learning Environments. Human Factors and Technical Considerations on Design Issues* (NATO ASI Series. Series F: Computer and Systems Sciences; 93) Berlin/Heidelberg: Springer (1992) 48-66
- GIBBS, S.J./TSICHRITZIS, D.C.: *Multimedia Programming: Objects, Environments and Frameworks*. Reading, MA.: Addison-Wesley 1994
- GIELLMAN, R.: Rediscovering Pompeii. In: Berk, E./Devlin, J. (eds): *Hypertext/Hypermedia Handbook*. New York: McGraw-Hill (1991) 506-511
- GLASER, R. (ED): *Teaching Machines and Programmed Learning. Vol. 2: Data and directions*. Washington: National Education Association of the United States 1965
- GLASER, R.: The Reemergence of Learning Theory within Instructional Research. In: *American Psychologist 1 45* (1990) 29-39

- GLASER, R.: The Maturing of the Relationship Between the Science of Learning and Cognition and Educational Practice. In: *Learning and Instruction* 1 (1991) 129-144
- GLASER, R./SCHAUBLE, I. ET AL: Scientific Reasoning Across Different Domains. In: De Corte, E./Linn, M.C. et al (eds): *Computer-Based Learning Environments and Problem Solving (NATO ASI Series. Series F: Computer and Systems Sciences; 84)* Berlin/Heidelberg: Springer (1992) 345-371
- GLENN, B.T./CHIGNELL, M.H.: Hypermedia: Design for Browsing. In: Hartson, H.R./Hix, D. (eds): *Advances in Human-Computer Interaction. (Advances in Human-Computer Interaction; 3)* Norwood, NJ: Ablex Publishing (1992) 143-183
- GLOOR, P.A.: *Hypermedia-Anwendungsentwicklung. Eine Einführung mit HyperCard-Beispielen.* Stuttgart: Teubner 1990
- GLOOR, P.A./STREITZ, N.A. (eds): *Hypertext und Hypermedia (Informatik-Fachberichte; 249)* Berlin/Heidelberg: Springer 1990
- GLOVER, D.M.: The CCAT Videodisc – A New Resource for Physics Education. In: *Physics Education* 5 24 (1989) 304-308
- GLOWALLA, U./HASEBROOK, J. ET AL: Das gezielte Wiederlernen von Wissen mit Hilfe des Hypermedia-Systems MEM. In: Cordes, R./Streitz, N.A. (eds): *Hypertext und Multimedia.* Berlin/Heidelberg: Springer (1992) 45-61
- GLOWALLA, U./HASEBROOK, J. ET AL: The Hypermedia System MEM and its Application in Evaluating Learning and Relearning in Higher Education. In: Strube, G./Wender, K.F. (eds): *The Cognitive Psychology of Knowledge (Advances in Psychology; 101)* Amsterdam: North-Holland (1993a) 367-385
- GLOWALLA, U./HASEBROOK, J./HÄFFLE, G.: Implementation and Evaluation computergestützter Aus- und Weiterbildung mit dem Hypermedia-System MEM. In: Frei, H.P./Schäuble, P. (eds): *Hypermedia (Proceedings der Internationalen Hypermedia '93 Konferenz, Zürich, 2./3. März 1993).* Berlin/Heidelberg: Springer (1993b) 195-207
- GLOWALLA, U./HASEBROOK, J.: An Evaluation Model Based on Experimental Methods Applied to the Design of Hypermedia User Interfaces. In: Schuler, W./Hannemann, J./Streitz, N.A. (eds): *Designing User Interfaces for Hypermedia (Research Reports ESPRIT)* Berlin/Heidelberg: Springer (1995) 99-116
- GLUSHKO, R.J.: Transforming Text into Hypertext for a Compact Disc Encyclopedia. In: Bice, K./Lewis, C. (Eds): *Proceedings of the CHI'89: Wings for the Mind.* New York: ACM (1989) 293-298
- GOLDENBERG, T.Y./TURNURE, J.E.: Transitions Between Short-term and Long-term Memory in Learning Meaningful Unrelated Paired Associates Using Computer-based Drills. In: *Computers in Human Behavior* 2 5 (1989) 119-135
- GOLDMAN, R.D.: Effects of Logical Versus a Mnemonic Learning Strategy on Performance in Two Undergraduate Psychology Classes. In: *Journal of Educational Psychology* 63 (1972) 347-352
- GOLDMAN-SEGALL, R.: Collaborative Virtual Communities: Using Learning Constellations, A Multimedia Ethnographic Research Tool. In: Barrett, F. (ed): *Sociomedia: Multimedia, Hypermedia, and the Social Construction of Knowledge. Technical Communication and Information Systems.* Cambridge/London: M.I.T. Press (1992) 257-296
- GOLDSTEIN, I.P./PAPERT, S.: Artificial Intelligence, Language, and the Study of Knowledge. In: *Cognitive Science* 1 1 (1977) 1-21
- GOMES, A./PEREIRA, D.C.: Towards a Hypertext Semiotics. In: Oliveira, A. (ed): *Hypermedia Courseware: Structures of Communication and Intelligent Help (NATO ASI Series. Series F: Computer and Systems Sciences; 92)* Berlin/Heidelberg: Springer (1992) 91-96
- GOODYEAR, P.: A Knowledge-Based Approach to Supporting the Use of Simulation Programs. In: *Computers and Education* 1 16 (1991) 99-103
- GOODYEAR, P.: The Provision of Tutorial Support for Learning with Computer-Based Simulations. In: De Corte, E./Linn, M.C. et al (eds): *Computer-Based Learning Environments and Problem Solving (NATO ASI Series. Series F: Computer and Systems Sciences; 84)* Berlin/Heidelberg: Springer (1992) 391-409
- GOODYEAR, P./NIOO, M. ET AL: Learning Processes, Learner Attributes and Simulations. In: *Education and Computing* 6 (1991) 263-304
- GOODYEAR, P./STONE, C.: Domain Knowledge, Epistemology and Intelligent Tutoring in Social Science. In: Moysé, R./Elsom-Cook, M.T. (eds): *Knowledge Negotiation.* London: Academic Press (1992) 69-96

- GORDON, S./GUSTAVEL, J. ET AL: The Effects of Hypertexts on Reader Knowledge Representation. In: Proceedings of the Human Factors Society 32nd Annual Meeting (1988) 296-300
- GORNY, P.: New Information Technologies in Education in the Federal Republic of Germany. In: European Journal of Education 17 (1982) 339ff.
- GOULD, J.D./ALFARO, L. ET AL: Why Reading was Slower from CRT Displays than from Paper. In: Proceedings of the CHI + GI '87. Toronto (1987) 7-11
- GOULD, J.D./GRISCHUKOWSKY, N.: Doing the Same Work with Hard Copy and with Cathode Ray Tube (CRT) Computer Terminals. In: Human Factors 26 (1984) 323-337
- GRABINGER, R.S.: Making Information Accessible--Part 4: Support Links. In: Performance and Instruction 3 32 (1993) 33-39
- GRÄSEL, C./MANDL, H./PRENZEL, M.: Die Förderung diagnostischen Denkens durch fallbasierte Computerlernprogramme in der Medizin. In: Glowalla, U./Schoop, E. (eds): Hypertext und Multimedia. Neue Wege in der computerunterstützten Aus- und Weiterbildung. Berlin/Heidelberg: Springer (1992) 323-331
- GRÄSEL, C./MANDL, H. ET AL: Vergebliche Designermüh? Interaktionsangebote in problemorientierten Computerlernprogrammen. In: Unterrichtswissenschaft 4 22 (1994) 312-333
- GRAY, S.H.: Using Protocol Analyses and Drawings to Study Mental Model Construction During Hypertext Navigation. In: International Journal of Human-Computer Interaction 4 2 (1990) 359-377
- GREDLER, M.B.: A Taxonomy of Computer Simulations. In: Educational Technology 4 26 (1986) 7-12
- GREEN, T.R.G.: Describing Information Artifacts with Cognitive Dimensions and Structure Maps. In: Diaper, D./Hammond, N. (eds): People and Computers VI. Proceedings of the HCI '91 Conference (British Computer Society Conference Series; 3) Cambridge: Cambridge University Press (1991) 297-315
- GREENO, J.G.: Situations, Mental Models, and Generative Knowledge. IRL Report 88-0005. Palo Alto, CA: Institute for Research on Learning 1988 Report
- GREENO, J.G.: Productive Learning Environments. In: Lewis, R./Otsuki, (eds): Advanced Research on Computers in Education. Proceedings of the IFIP TC3 International Conference on Advanced Research on Computers in Education, Tokyo, Japan, 18-20 July, 1990. Amsterdam: North-Holland (1991) 3-13
- GREENO, J.G./RILEY, M.S.: Processes and Development of Understanding. In: Weinert, F.E./Kluwe, R.H. (eds): Metacognition, Motivation, and Understanding. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1987) 289-316
- GRICE, R.A./RIDGWAY, L.S.: Usability and Hypermedia: Toward a Set of Usability Criteria and Measures. In: Technical Communication: Journal of the Society for Technical Communication 3 40 (1993) 429-437
- GRIEBHABER, W.: Fremdsprachenlernen mit Maus und Mikro. In: Bildungsarbeit 3 (1992) 107 - 113.
- GRIMES, J./POTEL, M.: What is Multimedia? In: IEEE Computer Graphics & Applications 1 11 (1991) 49-52
- GROPPER, G.L.: A Behavioral Approach to Instructional Prescription. In: Reigeluth, C.M. (ed): Instructional Design Theories and Models: An Overview of their Current Status. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1983) 101-161
- GUINAN, C./SMEATON, A.F.: Information Retrieval from Hypertext Using Dynamically Planned Guided Tours. In: Lucarella, D./Nanard, J. et al (eds): Proceedings of the 4th ACM ÉCHT '92 Conference on Hypertext (Milano, Italy, November 30-December 4, 1992) New York: ACM (1992)
- GUSTAFSON, K.L./RIEVES, T.C.: IDioM: A Platform for a Course Development Expert System. In: Educational Technology. 3 30 (1990) 19-25
- GUY, J.F./FRISBY, A.J.: Using Interactive Videodiscs to Teach Gross Anatomy to Undergraduates at the Ohio State University. In: Academic Medicine 2 67 (1992) 132-133
- HABERMAS, J.: Erkenntnis und Interesse. Frankfurt/M.: Suhrkamp 1968
- HABERMAS, J.: Nachtrag zu einer Kontroverse (1963): Analytische Wissenschaftstheorie und Dialektik. In: Habermas, J. (ed): Zur Logik der Sozialwissenschaften. Frankfurt/M.: Suhrkamp (1970) 9-38
- HABERMAS, J.: Theorie des kommunikativen Handelns. Band I: Handlungsrationalität und gesellschaftliche Rationalisierung. Frankfurt/M.: Suhrkamp 1981
- HALASZ, F.G.: Reflections on NoteCards: Seven Issues for the Next Generation of Hypermedia Systems. In: Communications of the ACM. 31 (1988) 836-852

- HALL, W./THOROGOOD, P. ET AL.: Using Hypercard and Interactive Video in Education: An Application in Cell Biology. In: Educational and Training Technology International 3 26 (1989) 207-214
- HAMBURGER, H./LODGHER, A.: Semantically Constrained Exploration and Heuristic Guidance. In: Machine-Mediated Learning 3 (1989) 81-105
- HAMBURGER, H./LODGHER, A.: Semantically Constrained Exploration and Heuristic Guidance. In: Farr, M.J./Psofka, J. (eds): Intelligent Instruction by Computer: Theory and Practice. Philadelphia, PA: Taylor & Francis (1992) 153-177
- HAMMOND, J.H.: Achieving Quality in University Teaching through Information Technology: A National Objective. In: Brunnstein, K./Raubold, E. (eds): Applications and Impacts. Information Processing '94. (IFIP Transactions A: Computer Science and Technology; 2) Amsterdam: North-Holland (1994) 666-671
- HAMMOND, N.: Hypermedia and Learning: Who Guides Whom? In: Maurer, H. (ed): Computer Assisted Learning. Proceedings 2 Int. Conf. ICCAL (Lecture Notes in Computer Science; 360) Berlin/Heidelberg: Springer (1989) 167-181
- HAMMOND, N.: Teaching with Hypermedia. In: Brown, H. (ed): Hypermedia/Hypertext and Object Oriented Databases. London: Chapman & Hall (1991) 107-124
- HAMMOND, N.: Tailoring Hypertext for the Learner. In: Kommers, P.A.M./Jonassen, D.H./Mayes, J.T. (eds): Cognitive Tools for Learning (NATO ASI Series. Series F: Computer and Systems Sciences; 81) Berlin/Heidelberg: Springer (1992) 149-160
- HAMMOND, N./ALLINSON, L.J.: The Travel Metaphor as Design Principle and Training Aid for Navigating around Complex Systems. In: Diaper, D./Winder, R. (eds): People and Computers III. (British Computer Society Conference Series; 3) Cambridge: Cambridge University Press (1987) 75-90
- HAMMOND, N./ALLINSON, L.J.: Extending Hypertext for Learning: An Investigation of Access and Guidance Tools. In: Sutcliffe, A./Macaulay, L. (eds): People and Computers V (British Computer Society Conference Series; V) Cambridge: Cambridge University Press (1989) 293-304
- HANNE, K.-H.: Multimodal Communication, Natural Language and Direct Manipulation (Gestures) in Human-Computer Interaction. In: Edwards, A.D.N./Holland, S. (eds): Multimedia Interface Design in Education. 2. Aufl. 1994 (NATO ASI Series. Series F: Computer and Systems Sciences; 76) Berlin/Heidelberg: Springer (1992) 157-175
- HANNE, K.-H./BULLINGER, H.J.: Multimodal Communication: Integrating Text and Gestures. In: Blattner, M.M./Dannenberg, R.B. (eds): Multimedia Interface Design. Reading, MA. u.a.: Addison-Wesley (1992) 127-138
- HANKE, T.: Zur Gestaltung von Gebärdensprachlexika auf der Grundlage des Hamburger Notationssystems. Diplomarbeit. Universität Hamburg 1997
- HANKE, T./PRILLWITZ, S.: syncWRITER. Integrating Video into the Transcription and Analysis of Sign Language. In: Bos, H./Schermer, T. (eds): Sign Language Research 1994: Proceedings of the Fourth European Congress on Sign Language Research, Munich, Sept. 1-3, 1994. Hamburg: Signum 1995
- HANNEMANN, J./THÜRING, M.: Das Hypermedia-Autorensystem SEPIA. In: Glowalla, U./Schoop, E. (eds): Hypertext und Multimedia. Neue Wege in der computerunterstützten Aus- und Weiterbildung. Berlin/Heidelberg: Springer (1992) 118-136
- HANNEMANN, J./THÜRING, M.: What Matters in Developing Interfaces for Hyperdocument Presentation? In: Schuler, W./Hannemann, J./Streitz, N.A. (eds): Designing User Interfaces for Hypermedia. (Research Reports ESPRIT) Berlin/Heidelberg: Springer (1995) 29-42
- HANSEN, W.J.: The Andrew Environment for Development of Educational Computing. In: Computers and Education 1 12 (1988) 231-239
- HAPP, A.J./STANNERS, S.L.: Effect of Hypertext Cue Presentation on Knowledge Representation. In: Proceedings of the Human Factors Society 35th Annual Meeting (1991) 305-309
- HARDMAN, L.: Hypertext Tips: Experiences in Developing a Hypertext Tutorial. In: Jones, D.M./Winder, R. (eds): People and Computers IV (British Computer Society Conference Series; 4) Cambridge: Cambridge University Press (1988) 437-451
- HARDMAN, L.: Experiences in Authoring Hypermedia: Creating Better Presentations. In: Schuler, W./Hannemann, J./Streitz, N.A. (eds): Designing User Interfaces for Hypermedia (Research Reports ESPRIT) Berlin/Heidelberg: Springer (1995) 18-28