

- Learning Environments 2 2 (1992) 73-109
- PEJTERSEN, A.M.: A Library System for Information Retrieval Based on a Cognitive Task Analysis and Supported by an Icon-Based Interface. In: Proceedings of the ACM SIGIR '89 12th Annual Conference on Research and Development in Information Retrieval (Cambridge, MA, 25-28 June 1989). New York: ACM 1989, 40-47
- PEJTERSEN, A.M.: Designing Hypermedia Representations from Work Domain Properties. In: Frei, H.P./Schäuble, P. (eds): Hypermedia (Proceedings der Internationalen Hypermedia '93 Konferenz, Zürich, 2./3. März 1993) Berlin/Heidelberg: Springer (1993) 1-29
- PENROSE, R.: Shadows of the Mind. London: Vintage 1995
- PEPER, G.: Hypertext: Its Relation to, and Potential Impact on, Knowledge-based Systems. In: Impact Assessment Bulletin 1-2 9 (1991) 53-71
- PEREIRA, D.C./OLIVEIRA, A./VAZ, J.C.G.: Hypermedia and ITS. 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) 207-212
- PERELMAN, L.J.: School's out. A Radical New Formula for the Revitalization of America's Educational System. New York: Avon Books 1992
- PEREZ, R.S./GREGORY, M.R./MINIONIS, D.P.: Tools and Decision Aids for Training Development in the U.S. Army. Special Issue: U.S. Military Developments in Instructional Technology. In: Instructional Science 4 21 (1993) 225-237
- PETRIE-BROWN, A.M.: Discourse and Dialogue: Concepts in Intelligent Tutoring Interactions. In: Journal of Artificial Intelligence in Education 2 1 (1989a) 21-29
- PETRIE-BROWN, A.M.: Intelligent Tutoring Dialogue: The Structures of an Interaction. In: Bierman, D.J./Brewer, J./Sandberg, J. (eds): Artificial Intelligence and Education. Proceedings of the 4th International Conference on AI and Education, 24-26 May 1989, Amsterdam) Amsterdam/Springfield, VA/Tokyo: IOS (1989b) 195-201
- PILOT, A.: TAIGA: Twente Advanced Interactive Graphic Authoring System. A New Concept in Computer Assisted Learning (CAL) and Educational Research. Doc 88-18. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans, LA 1988 - Report
- PIROLI, P.L.: Explanation, Analogy, and Transfer in an Intelligent Tutoring System Paradigm. In: Farr, M.J./Psotka, J. (eds): Intelligent Instruction by Computer: Theory and Practice. Philadelphia, PA: Taylor & Francis (1992) 65-84
- PIROLI, P.L./RUSSELL, D.M.: The Instructional Design Environment: Technology to Support Design Problem Solving. In: Instructional Science 2 19 (1990) 121-144
- PLAISANT, C.: An Overview of Hyperties, its User Interface and Data Model. In: Brown, H. (ed): Hypermedia/Hypertext and Object Oriented Databases. London: Chapman & Hall (1991a) 17-31
- PLAISANT, C.: Guide to Opportunities in Volunteer Archeology: Case Study on the Use of a Hypertext System in a Museum Exhibit. In: Berk, E./Devlin, J. (eds): Hypertext/Hypermedia Handbook. New York: McGraw-Hill (1991b) 498-505
- PLÖTZNER, R./SPADA, H.: Analysis-based Learning on Multiple Levels of Mental Domain Representation. 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) 103-127
- PLOWMAN, L.: The »Primitive Mode of Representation« and the Evolution of Interactive Multimedia. In: Journal of Educational Multimedia and Hypermedia 3/4 3 (1994) 275-293
- POLSON, M.C./RICHARDSON, J./SOLOWAY, E. (eds): Foundations of Intelligent Tutoring Systems. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1988
- Polya, G.: How to Solve It. New York: Doubleday 1957
- POMMERT, A./RIEMER, M. ET AL: Knowledge-Based and 3D Imaging Systems in Medical Education. In: Brunnstein, K./Raubold, E. (eds): Applications and Impacts. Information Processing '94 (IFIP Transactions A: Computer Science and Technology; 2) Amsterdam: North-Holland (1994) 525-532
- PONTECORVO, C./ZUCCHERMAGLIO, C.: Computer Use in Learning about Language. In: European Journal of Psychology of Education 1 6 (1991) 15-27

- POPPEN, L./POPPEN, R.: The Use of Behavioral Principles in Educational Software. In: *Educational Technology* 2 28 (1988) 37-41
- POTTER, W.D./TRUEBLOOD, R.P.: Traditional, Semantic, and Hyper-semantic Approaches to Data Modelling. In: *IEEE Computer* 6 21 (1988) 53-63
- PRENZEL, M./MANDL, H.: Transfer of Learning from a Constructivist Perspective. 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) 315-329
- PRICE, R.: An Historical Perspective on the Design of Computer-Assisted Instruction: Lessons from the Past. In: *Computers in the Schools* 1-2 6 (1989) 145-157
- Pridemore, D.R./Klein, J.D.: Control of Feedback in Computer-Assisted Instruction. In: *Educational Technology, Research and Development* 4 39 (1991) 27-32
- PRILLWITZ, S./ZIERNERT, H.: Hamburger Notation System for Sign Language: Development of a sign writing computer application. In: Prillwitz, S./Vollhaber, T. (eds): *Current Trends in European Sign Language Research. Proceedings of the 3rd European Congress on Sign Language Research. Hamburg July 26-29, 1989 (International Studies on Sign Language and the Communication of the Deaf; 9)* Hamburg: Signum (1990) 355-380
- PSILLOS, D./KOUMARAS, P.: Transforming Knowledge into Learnable Content. In: Dijkstra, S./Krammer, H.P.M./van Merriënboer, J.J.G. (eds): *Instructional Models in Computer-Based Learning Environments* (NATO ASI Series F: Computer and Systems Sciences; 104) Berlin/Heidelberg: Springer (1992) 83-96
- PULLINGER, D.J./MAUDE, T.J./PARKER, J.: Software for Reading Text on Screen. In: *Proceedings of the INTERACT'87 IFIP Conference*. Stuttgart (1987) 899-904
- PYLYSHYN, Z.W.: Some Remarks on the Theory-Praxis Gap. In: Carroll, J.M. (ed): *Designing Interaction: Psychology at the Human-Computer Interface*. Cambridge: Cambridge University Press (1991) 39-49
- QIU, L.: Analytical Searching vs. Browsing in Hypertext Information Retrieval Systems. In: *Canadian Journal of Information and Library Science* 4 18 (1993a) 1-13
- QIU, L.: Markov Models of Search State Patterns in a Hypertext Information Retrieval System. In: *Journal of the American Society for Information Science* 7 44 (1993b) 413-427
- QIU, L.: Frequency Distributions of Hypertext Path Patterns: A Pragmatic Approach. In: *Information Processing and Management* 1 30 (1994) 131-140
- QUADE, A.M.: An Assessment of the Effectiveness of a Hypertext Instructional Delivery System when Compared to a Traditional CAI Tutorial. In: *Proceedings of Selected Research and Development Presentations at the Convention of the Association for Educational Communications and Technology* (15th, New Orleans, Louisiana, January 13-17, 1993) New Orleans (1993) 809-818
- RADA, R.: *Hypertext: from Text to Expertext*. London/New York u.a.: McGraw-Hill 1991
- RADA, R./ACQUAH, S. ET AL: Collaborative Learning and the MUCH System. In: *Computers and Education* 3 20 (1993) 225-233
- RADA, R./MURPIYI, C.: Searching versus Browsing in Hypertext. In: *Hypermedia* 1 4 (1992) 1-30
- RADA, R./WANG, W./BIRCHALL, A.: Retrieval Hierarchies in Hypertext. In: *Information Processing and Management* 3 29 (1993) 359-371
- RAMAIAH, C.K.: Use of Hypertext for Teaching and Training: A Bibliography. In: *The Electronic Library* 6 11 (1993) 409-417
- RANZIJN, F.J.A.: The Number of Video Examples and the Dispersion of Examples as Instructional Design Variables in Teaching Concepts. In: *Journal of Experimental Education* 4 59 (1991) 320-330
- RAO, R./TUROFF, M.: Hypertext Functionality: A Theoretical Framework. In: *International Journal of Human-Computer Interaction*. 4 2 (1990) 333-357
- RAPER, J./GREEN, N.: The Development of a Hypertext-Based Tutor for Geographical Information Systems. In: *Educational Technology* 3 20 (1989) 164-172
- RAYWARD, W.B.: Visions of Xanadu: Paul Otlet (1868-1944) and Hypertext. In: *Journal of the American Society for Information Science* 4 45 (1994) 235-250
- READER, W./HAMMOND, N.: Computer-Based Tools to Support Learning from Hypertext: Concept Mapping Tools and Beyond. In: *Computers and Education* 1/2 22 (1994) 99-106

- REDISH, E.F./WILSON, J.M./MCDANIEL, C.: The CUPLE Project: A Hyper- and Multimedia Approach to Restructuring Physics Education. 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) 219-255
- REES, J.: Interactive Multimedia: the Brancusi Project – an Exploration in International Collaboration. In: *Information Services and Use* 4/13 (1993) 297-302
- REEVES, T.C.: Evaluating Interactive Multimedia. In: *Educational Technology* 5/32 (1992) 47-53
- REHBEIN, J.: *Komplexes Handeln. Elemente zur Handlungstheorie der Sprache*. Stuttgart: J.B. Metzler 1977
- REIGELUTH, C.M.: In Search of a Better Way to Organize Instruction: The Elaboration Theory. In: *Journal of Instructional Development* 2 (1979) 8-15
- REIGELUTH, C.M.: Instructional Design: What Is It And Why Is It? In: Reigeluth, C.M. (ed): *Instructional Design Theories and Models: An Overview of their Current Status*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1983) 3-36
- REIGELUTH, C.M. (ed): *Instructional Design Theories and Models: An Overview of their Current Status*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1983
- REIGELUTH, C.M.: Reflections on the Implications of Constructivism for Educational Technology. In: *Educational Technology* 9/31 (1991) 34-37
- REIGELUTH, C.M.: New Directions for Educational Technology. 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) 51-59
- REIGELUTH, C.M./SCHWARTZ, E.: An Instructional Theory for the Design of Computer-Based Simulations. In: *Journal of Computer-Based Instruction* 1/16 (1989) 1-10
- REIGELUTH, C.M./STEIN, F.S.: The Elaboration Theory 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)
- REINHARDT, A.: New Ways to Learn. In: *Byte* 3/20 (1995) 50-72
- REISEL, J.F./SHNEIDERMAN, B.: Is Bigger Better? The Effects of Display Size on Program Reading. In: Salvendy, G. (ed): *Social, Ergonomic and Stress Aspects of Work with Computers*. Elsevier (1987) 113-122
- REISER, B.J.: Problem Solving and Explanation in Intelligent Tutoring Systems: Issues for Future research. 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) 199-210
- REISER, R.A./GAGNÉ, R.M.: Characteristics of Media Selection Models. In: *Review of Educational Research* 4/52 (1983) 499-512
- RESNICK, L.B. (ed): *Knowing, Learning, and Instruction. Essays in Honor of Robert Glaser*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1989
- RESNICK, L.B./JOHNSON, A.: Intelligent Machines for Intelligent People: Cognitive Theory and the Future of Computer-Assisted Learning. In: Nickerson, R.S./Zodhiates, P.P. (eds): *Technology in Education: Looking Toward 2020*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 139-168
- RESNICK, L.B./KLOPFER, L.E. (eds): *Toward the Thinking Curriculum: Current Cognitive Research*. Alexandria, VA: ASCD 1989
- RESNICK, M.: Behavior Construction Kits. In: *Communications of the ACM* 7/36 (1993) 64-71
- REYNOLDS, S.B./DANSEREAU, D.F.: The Knowledge Hypermap: An Alternative to Hypertext. In: *Computers and Education* 5/14 (1990) 409-416
- RHEINBERG, F.: Motivationsanalysen zur Interaktion mit Computern. In: Mandl, H./Fischer, P.M. (eds): *Lernen im Dialog mit dem Computer*. München/Wien/Baltimore: Urban & Schwarzenberg (1985) 83-105
- RHODES, D.M./AZBELL, J.W.: Designing Interactive Video Instruction Professionally. In: *Training and Development Journal* 12/39 (1985) 31-33
- RICHARDS, J./BAROWY, W. ET AL: Computer Simulations in the Science Classroom. In: *Journal of Science Education and Technology* 1/1 (1992) 67-80
- RICHARDS, S.: Page Structures for Electronic Books. In: *Educational and Training Technology International* 4

- 28 (1991) 291-301
- RICHER, M./CLANCEY, W.J.: GUIDON-WATCH: A Graphic Interface for Viewing a Knowledge-Based System. In: *IEEE Computer Graphics & Applications* 11 5 (1985) 51-64
- RIDGWAY, J.: Of Course ICAI is Impossible ... Worse, Though, it Might be Seditious. In: Self, J. (ed): *Artificial Intelligence and Human Learning: Intelligent Computer-Aided Instruction*. London: Chapman & Hall (1988)
- RIEBER, L.P.: Computer-Based Microworlds: A Bridge Between Constructivism and Direct Instruction. In: *Educational Technology, Research and Development* 1 40 (1992) 93-106
- RIEBER, L.P./KINI, A.S.: Theoretical Foundations of Instructional Applications of Computer-Generated Animated Visuals. In: *Journal of Computer-Based Instruction* 3 18 (1991) 83-88
- RIEHM, U./WINGERT, B.: Multimedia. Mythen, Chancen und Herausforderungen. (*Arbeitsbericht*; 33) Bonn 1995
- RIESBECK, C./SCHANK, R.C.: Inside Case-Based Reasoning. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1989
- RILEY, M.S./GREENO, J.G.: Developmental Analysis of Understanding Language About Quantities and of Solving Problems. In: *Cognition & Instruction* 1 5 (1988) 49-101
- RIMMERSHAW, R.: A Discourse Repertoire for Negotiating Explanations. In: Moyse, R./Elsom-Cook, M.T. (eds): *Knowledge Negotiation*. London: Academic Press (1992) 241-276
- RINGSTED, M.: On-Site Distance Learning: A Multimedia Full-Scale Experiment in Denmark. 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) 45-56
- RIVERS, R./VOCKELL, E.: Computer Simulations to Stimulate Scientific Problem Solving. In: *Journal of Research in Science Teaching* 24 (1987) 403-415
- 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
- ROBERTSON, C.K./MCCRACKEN, D./NEWELL, A.: The ZOG Approach to Man-Machine Communication. In: *International Journal of Man-Machine Studies* 14 (1981) 461-488
- ROBERTSON, G.G./CARD, S.K./MACKINLAY, J.D.: Information Visualization Using 3D Interactive Animation. In: *Communications of the ACM* 4 36 (1993) 57-71
- ROBERTSON, G.G./MACKINLAY, J.D./CARD, S.K.: Cone Trees: Animated 3D Visualizations of Hierarchical Information. In: *Proceedings of the ACM CHI'91 Conference* (1991) 189-194
- ROBLYER, M.D.: Fundamental Problems and Principles of Designing Effective Courseware. In: Jonassen, D.H. (ed): *Instructional Designs for Microcomputer Courseware*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 7-33
- ROBLYER, M.D./CASTING, W.H./KING, F.J.: *Assessing the Impact of Computer-Based Instruction*. New York: Haworth Press 1988
- RODE, M./POIROT, J.: Authoring Systems—Are they Used? In: *Journal of Research on Computing in Education*. Winter 21 (1989) 191-198
- ROETHLISBERGER, F.J./DICKSON, W.J.: *Management and the Worker*. Cambridge, MA: Harvard University Press 1939
- ROGOFF, B./LAVE, J. (eds): *Everyday Cognition*. Cambridge, MA: Harvard University Press 1984
- ROMISZOWSKI, A./CHANG, E-CHEOL: Hypertext's Contribution to Computer-Mediated Communication: In Search of an Instructional Model. 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) 111-130
- ROSENBERG, R.: A Critical Analysis of Research on Intelligent Tutoring Systems. In: *The Educational Technology Anthology Series: Expert Systems and Intelligent Computer-Aided Instruction*. Englewood Cliffs, NJ: Educational Technology Publications (1990) 184-190
- ROSENBLOOM, P./NEWELL, A.: Learning by Chunking: A Production System Model of Practice. In: Klahr, D./Langley, P./Neches, R. (eds): *Production System Models of Learning and Development*. Cambridge/London: M.I.T. Press (1987) 221-286

- ROSENZWEIG, R.: Digitizing the Past: A History Book on CD-ROM. In: *Information Services and Use* 1 13 (1993) 35-40
- ROSS, J.M./SHANK, G.D.: What Performance Technologists Should Know about Abductive Reasoning...and Why. In: *Performance and Instruction* 9 32 (1993) 6-10
- ROTH, G.: Das Gehirn und seine Wirklichkeit. Kognitive Neurobiologie und ihre philosophischen Konsequenzen. (suhrkamp taschenbuch wissenschaft 1275) Frankfurt am Main: Suhrkamp 1977
- ROUET, J.-F.: Interactive Text Processing by Inexperienced (Hyper-) Readers. 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) 250-260
- RUGE, G./SCHWARZ, C.: Linguistically based term association: A new semantic component for a hypertext system. In: Fugmann, R. (ed): *Tools for Knowledge Organization and the Human Interface. Proceedings of the 1st International ISKO-Conference*. Frankfurt: Indeks (1990) 88-95
- RUMELHART, D.E.: Schemata: The Building Blocks of Cognition. In: Spiro, R.J./Bruce, B.C./Brewer, W.F. (eds): *Theoretical Issues in Reading Comprehension*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1980) 33-59
- RUMELHART, D.E./MCCLELLAND, J.L.: Parallel Distributed Processing. Explorations in the Microstructure of Cognition. Vol. I Foundation. Cambridge/London: M.I.T. Press 1986
- RUMELHART, D.E./NORMAN, D.A.: Accretion, Tuning, and Restructuring: Three Modes of Learning. In: Cotton, J.W./Klutzky, R.L. (eds): *Semantic Factors in Cognition*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1978) 37-53
- RUOPP, R./GAL, S. ET AL: LabNet: Toward a Community of Practice. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1993
- RUSSELL, D.M.: IDE: The Interpreter. In: Psotka, J./Massey, L.D./Mutter, S.A. (eds): *Intelligent Tutoring Systems. Lessons Learned*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 323-349
- RUSSELL, D.M.: Alexandria: A Learning Resources Management Architecture. 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) 439-457
- RUSSELL, D.M./MORAN, T.P./JORDAN, D.S.: The Instructional Design Environment. In: Psotka, J./Massey, L.D./Mutter, S.A. (eds): *Intelligent Tutoring Systems. Lessons Learned*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 203-228
- RUST, V.D./DALIN, P.: Computer Education Norwegian Style: A Comprehensive Approach. In: *Educational Technology* 6 25 (1985) 17-20
- SADLER, L.M.: Is Browsing Really Instructional? The Use of Hypertext as a Supportive Device in Incidental 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) 451-456
- SAGA, H.: Evaluation of the »Bunkyo Museum of Literature«: A Hypercard-Based Interactive Video. Papers presented at the Annual Meetings of the Association for Educational Communications and Technology, Orlando and Anaheim 1991 - Report
- SAGER, S.F.: Hypertext und Kontext. In: Jakobs, E.-M./Knorr, D./Molitor-Lübbert, (eds): *Wissenschaftliche Textproduktion mit und ohne Computer*. Frankfurt/M., Berlin u.a.: Peter Lang Verlag (1995) 210-226
- SALES, G.C./WILLIAMS, M.D.: The Effect of Adaptive Control of Feedback in Computer-based Instruction. In: *Journal of Research on Computing in Education* 1 21 (1988) 97-111
- SALISBURY, D.F.: Cognitive Psychology and Its Implications for Designing Drill and Practice Programs for Computers. In: *Journal of Computer-Based Instruction* 1 17 (1990) 23-30
- SALOMON, G.: AI in Reverse: Computer Tools that Turn Cognitive. In: *Journal of Educational Computing Research* 2 4 (1988) 123-139
- SANDHOLTZ, J.H./RINGSTAFF, C./DWYER, D.C.: Teaching in High-Tech Environments: Classroom Management Revisited. In: *Journal of Educational Computing Research* 4 8 (1992) 479-505
- SAVENYE, W.C.: Alternate Methods for Conducting Formative Evaluations of Interactive Instructional Technologies. In: *Proceedings of Selected Research and Development Presentations at the Convention of the Association for Educational Communications and Technology*. (1992)

- SAXER, K.-H./GLOOR, P.A.: Navigation im Hyperraum: Fisheye Views in HyperCard. In: Gloor, P.A./Streitz, N.A. (eds): Hypertext und Hypermedia (Informatik-Fachberichte; 249) Berlin/Heidelberg: Springer (1990) 190-204
- SCANDURA, J.M.: Structural Learning I: Theory and Research. London/New York: Gordon & Breach Science Publishers 1973
- SCANDURA, J.M.: Problem Solving: A Structural/Process Approach with Instructional Implications. Boston u.a.: Academic Press 1977
- SCANDURA, J.M.: Instructional Strategies Based on the Structural Learning Theory. In: Reigeluth, C.M. (ed): Instructional Design Theories and Models: An Overview of their Current Status. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1983) 213-246
- SCANDURA, J.M.: Role of Relativistic Knowledge in Intelligent Tutoring. In: Computers in Human Behavior 1 4 (1988) 53-64
- SCANDURA, J.M./SCANDURA, A.B.: A Structured Approach to Intelligent Tutoring. In: Jonassen, D.H. (ed): Instructional Designs for Microcomputer Courseware. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 347-379
- 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
- SCARDAMALIA, M./BEREITER, C.: An Architecture for Collaborative Knowledge Building. 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) 41-66
- SCHAEFERMEYER, S.: Standards for Instructional Computing Software Design and Development. In: Educational Technology 6 30 (1990) 9-15
- SCHANK, R.C./ABELSON, R.P.: Scripts Plans Goals and Understanding. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1977
- SCHANK, R.C./JONA, M.Y.: Empowering the Student: New Perspectives on the Design of Teaching Systems. In: The Journal of the Learning Sciences 1 1 (1991) 7-36
- SCHAUFELBERGER, W.: Design and Implementation of Interactive Programs for Education in Engineering and Natural Sciences. In: Maurer, H. (ed): Computer Assisted Learning. Proceedings 2 Int. Conf. ICCAL (Lecture Notes in Computer Science; 360) Berlin/Heidelberg: Springer (1989) 468-479
- SCHELL, J.W./HARTMAN, D.K.: Flexible Cognition Theory: A Framework for Advanced Vocational Learning. In: Journal of Industrial Teacher Education 3 29 (1992) 39-59
- SCHLOSS, P.J./WISNIEWSKI, L.A./CARTWRIGHT, G.P.: The Differential Effect of Learner Control and Feedback in College Students' Performance on CAI Modules. In: Journal of Educational Computing Research 2 4 (1988) 141-150
- SCHLUSSELBERG, E./HARWARD, V.J.: Multimedia: Informational Alchemy or Conceptual Typography? 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) 95-106
- SCHMIDT, W.: Konzepte und Prototypen für die computergestützte Kommunikation im Hochschulbetrieb. Regensburg: S. Röderer Verlag 1995
- SCHNOTZ, W.: Mentale Kohärenzbildung beim Textverstehen: Einflüsse der Textsequenzierung auf die Verstehensstrategien und die subjektiven Verstehenskriterien. Forschungsbericht 42. Universität Tübingen: Deutsches Institut für Fernstudien (DIF) 1987 Report
- SCHNUPP, P.: Hypertext. München: Oldenbourg 1992
- SCHOOP, E.: Benutzernavigation im Hypermedia Lehr-/Lernsystem HERMES. In: Glowalla, U./Schoop, E. (eds): Hypertext und Multimedia. Neue Wege in der computerunterstützten Aus- und Weiterbildung. Berlin/Heidelberg: Springer (1992) 149-166
- SCHOOP, E./GLOWALLA, U.: Computer in der Aus- und Weiterbildung. Potentiale, Probleme und Perspektiven. In: Glowalla, U./Schoop, E. (eds): Hypertext und Multimedia. Neue Wege in der computerunterstützten Aus- und Weiterbildung. Berlin/Heidelberg: Springer (1992) 4-20
- SCHRAGE, M.: Beware the Computer Technocrats. Hardware Won't Educate Our Kids. In: Ely, D.P./Minor, B.B. (eds): Educational Media and Technology Yearbook (Educational Media and Technology Yearbook; 19) Englewood, CO: Libraries Unlimited (1994) 64-65

- SCHRODER, H.M./DRIVER, M.J./STREUFERT, S.: Human Information Processing. New York, NY: Holt, Rinehart & Winston 1967
- SCHULMEISTER, R.: Methodological Problems in Measuring Teaching Effectiveness. In: Research in Education 20 (1978) 1-9
- SCHULMEISTER, R. (ed): Angst vor Statistik. Empirische Untersuchungen zum Problem des Statistik-Lehrens und -Lernens. Hamburg: Arbeitsgemeinschaft für Hochschuldidaktik 1983
- SCHULMEISTER, R.: Pädagogisch-psychologische Kriterien für den Hochschulunterricht. In: Huber, L. (ed): Ausbildung und Sozialisation in der Hochschule (Enzyklopädie Erziehungswissenschaft; 10) Stuttgart: Klett-Cotta (1983) 331-354
- SCHULMEISTER, R. (ed): Computereinsatz im Hochschulunterricht. Beiträge zu einer Hochschuldidaktik des Computereinsatzes in der Lehre. Ammersbek b. Hamburg: Verlag an der Lottbek 1989
- SCHULMEISTER, R.: Dictionary for Computer Terms with Signs. Hamburg: Signum 1993a (Software)
- SCHULMEISTER, R.: Die Perspektive des Computers. In: Otto, G. (ed): Unterrichtsmethoden. (Friedrich Jahresheft; 11) Hannover: Ehrhard Friedrich Verlag (1993b) 132-133
- SCHULMEISTER, R.: Generierung und Erkennung der Gebärdensprache. In: ISI 92. Proceedings des 3. Internationalen Symposiums für Informationswissenschaft, Reden zur Eröffnung. Konstanz: Universitätsverlag (1993c)
- SCHULMEISTER, R./BIRKHAN, G.: Untersuchung kognitiver Probleme beim Erlernen der Statistik: Denkkniveaus und kognitive Komplexität. In: Schulmeister, R. (ed): Angst vor Statistik. Empirische Untersuchungen zum Problem des Statistik-Lehrens und -Lernens. Hamburg: Arbeitsgemeinschaft für Hochschuldidaktik (1983) 27-43
- SCHULMEISTER, R./JACOBS, M.: LernSTATS: Ein Programm zur Einführung in die Statistik. Universität Hamburg 1994 (Software)
- SCHULMEISTER, R./PRILLWITZ, S.: A Computer Dictionary for Subject Specific Signs. In: Elsendoom, B.A.G./Coninx, F. (eds): Interactive Learning Technology for the Deaf (NATO ASI Series. Series F: Computer and Systems Sciences; 113) Berlin/Heidelberg: Springer (1993) 215-230
- SCHVANENVELDT, R.W./DURSO, F.T./DEARIOLTT, D.W.: Pathfinder. Network structures in Proximity Data. In: Bower, G.: The Psychology of Learning and Motivation: Advances in Research and Theory. Boston/New York u.a.: Academic Press (1989) 249-284
- SCHWARTZ, S./GRIFFIN, T.: Comparing Different Types of Performance Feedback and Computer-based Instruction in Teaching Medical Students How to Diagnose Acute Abdominal Pain. In: Academic Medicine 11 68 (1993) 862-864
- SCHWIER, R.A.: A Taxonomy of Interaction for Instructional Multimedia. Paper presented at the Annual Conference of the Association for Media and Technology in Education in Canada (Vancouver, British Columbia, Canada, June 13-17, 1992). Vancouver 1992 (ED352044; IR054266 Report)
- SCHWIER, R.A.: Learning Environments and Interaction for Emerging Technologies: Implications for Learner Control and Practice. In: Canadian Journal of Educational Communication 3 22 (1993a) 163-76
- SCHWIER, R.A.: Classifying Interaction for Emerging Technologies and Implications for Learner Control. In: Proceedings of Selected Research and Development Presentations at the 15th Annual Convention of the Association for Educational Communications and Technology (New Orleans, Louisiana, January 13-17, 1993) New Orleans (1993b) 881-893
- SCULLEY, J.: The Relationship between Business and Higher Education. A Perspective on the 21st Century. In: Communications of the ACM 9 32 (1989) 1056-1061
- SEABURY, B.A./MAPLE, F.F. JR.: Using Computers to Teach Practice Skills. In: Social Work 4 38 (1993) 430-439
- SEARCH, P.: HyperGlyphs: Using Design and Language to Define Hypermedia Navigation. In: Technical Communication: Journal of the Society for Technical Communication 3 40 (1993) 414-421
- SEARLE, J.: Geist, Gehirn und Programme. In: Münch, D. (ed): Kognitionswissenschaft. Grundlagen, Probleme, Perspektiven. (suhrkamp taschenbuch wissenschaft; 989) Frankfurt am Main: Suhrkamp Taschenbuch Verlag (1992) - S. 225-252
- SEEL, N.M.: The Significance of Prescriptive Decision Theory for Instructional Design Expert Systems. 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) 61-81
- SEELS, B.: The Instructional Design Movement in Educational Technology. In: *Educational Researcher* 5 18 (1989) 11-15
- SELF, J.: Student Models: What Use Are They? In: Ercoli, P./Lewis, R. (eds): *Proceedings of the IFIP Working Conference "Artificial Intelligence Tools in Education. Frascati, Italien"*. Amsterdam: Elsevier Science Publishers (North-Holland) (1987) 73-86
- SELF, J. (ed): *Artificial Intelligence and Human Learning: Intelligent Computer-Aided Instruction*. London: Chapman & Hall 1988
- SELF, J.: Computational Viewpoints. In: Moyse, R./Elsom-Cook, M.T. (eds): *Knowledge Negotiation*. London: Academic Press (1992) 21-40
- SELF, J.: Unraveling the Learner Model Mystery. In: Engel, F.L./Bouwhuis, D.G. et al (eds): *Cognitive Modeling and Interactive Environments in Language Learning* (NATO ASI Series. Series F: Computer and Systems Sciences; 87) Berlin/Heidelberg: Springer (1992) 17-25
- SEN, P.: Multimedia Services over the Public Network: Requirements, Architectures, and Protocols. In: Koegel Buford, J.F. (ed): *Multimedia Systems*. Reading, MA. u.a.: Addison-Wesley (1994) 305-322
- SHACHAM, M./CUTLIP, M.-B.: Authoring Systems for Laboratory Experiment Simulators. In: *Computers and Education* 2 12 (1988) 277-282
- SHARPLES, M./O'MALLEY, C.E.: A Framework for the Design of a Writer's Assistant. In: Self, J. (ed): *Artificial Intelligence and Human Learning: Intelligent Computer-Aided Instruction*. London: Chapman & Hall (1988) 276-290
- SHERMAN, M./HANSEN, W.J. ET AL: Building Hypertext on a Multimedia Toolkit: An Overview of Andrew Toolkit Hypermedia Facilities. 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) 13-37
- SHIRK, H.N.: Cognitive Architecture in Hypermedia Instruction. 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) 79-93
- SHIU, KA-FAI/SMALDINO, S.E.: A Pilot Study: Comparing the Use of Computer-Based Instruction Materials and Audio-Tape Materials in Practicing Chinese. In: *Proceedings of Selected Research and Development Presentations at the Convention of the Association for Educational Communications and Technology* (15th, New Orleans, Louisiana, January 13-17, 1993) New Orleans (1993) 949-951
- SHLECHTER, T.M.: An examination of the research evidence for computer-based instruction. In: Hartson, H.R./Hix, D. (eds): *Advances in Human-Computer Interaction*, Vol. 2. Norwood, NJ: Ablex Publishing (1988) 316-367
- SHNEIDERMAN, B.: Direct Manipulation: A Step Beyond Programming Languages. In: *IEEE Computer* 8 16 (1983) 57-69
- SHNEIDERMAN, B.: *Designing the User Interface: Strategies for Effective Human-Computer Interaction*. Reading, MA. u.a.: Addison-Wesley 1986
- SHNEIDERMAN, B.: Reflections on Authoring, Editing, and Managing Hypertext. In: Barrett, E. (ed): *The Society of Text: Hypertext, Hypermedia, and the Social Construction of Information*. Cambridge/London: M.I.T. Press (1989) 115-131
- SHNEIDERMAN, B./KEARSLEY, G.P.: *Hypertext Hands-on!* Reading, MA.: Addison-Wesley 1989
- SHNEIDERMAN, B./KREITZBERG, C.B./BERK, E.: Editing to Structure a Reader's Experience. In: Berk, E./Devlin, J. (eds): *Hypertext/Hypermedia Handbook*. New York: McGraw-Hill (1991) 143-164
- SHORTLIFFE, E.H.: *Computer-Based Medical Consultations: MYCIN*. New York: Elsevier/North-Holland 1976
- SHULMAN, L.S./KEISLAR, E.R. (eds): *Learning by Discovery: A Critical Appraisal*. Chicago: Rand McNally 1966
- SHUM, S.: Real and Virtual Spaces: Mapping from Spatial Cognition to Hypertext. In: *HYPERMEDIA* 2 (1990) 133-158
- SHUTE, V.J./GLASER, R./RAGHAVAN, K.: Inference and Discovery in an Exploratory Laboratory. In: Acker-

- man, P.L./Sternberg, R.J./Glaser, R. (eds): Learning and Individual Differences. San Francisco, CA: Freeman (1989) 279-326
- SHUTE, V.J./GLASER, R.: A Large-Scale Evaluation of an Intelligent Discovery World: Smithtown. In: Interactive Learning Environments 1 (1990) 51-77
- SHUTE, V.J./WOLTZ, D.J./REGIAN, J.W.: An Investigation of Learner Differences in an ITS Environment: There's No Such Thing as a Free Lunch. In: Bierman, D.J./Breuker, J./Sandberg, J. (eds): Artificial Intelligence and Education. Proceedings of the 4th International Conference on AI and Education, 24-26 May 1989, Amsterdam/Springfield, VA/Tokyo: IOS (1989) 260-266
- SHWALB, B.J.: Educational Technology in the Japanese Schools – a Meta-Analysis of Findings. In: Educational Technology Research 1-2 9 (1986) 13-30
- SILVA, A.P.: Hypermedia: Influence of Interactive Freedom Degree in Learning Processes. 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) 145-156
- SIMON, H.A./HAYES, J.: Understanding Complex Task Instructions. In: Klahr, D. (ed): Cognition and Instruction. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1976) 269-285
- SIMON, H.A./NEWELL, A.: Information Processing in Computer and Man. In: The American Scientist. 3 52 (1964) 281-300; deutsche Übersetzung als: Informationsverarbeitung in Computer und Mensch. In: Zimmerli, W.C./Wolf, S. (eds): Künstliche Intelligenz. Philosophische Probleme. (Universal-Bibliothek; 8922) Stuttgart: Philipp Reclam jun. (1994) 112-145
- SIMONS, P.R.J.: Lernen, selbständig zu lernen – ein Rahmenmodell. In: Mandl, H./Friedrich, H.F. (eds): Lern- und Denkstrategien. Analyse und Intervention. Göttingen: Verl. f. Angew. Psychologie Dr. Hogrefe (1992) 251-264
- SIMPSON, A./MCKNIGHT, C.: Navigation in Hypertext: Structural Cues and Mental Maps. In: McAleese, R./Green, C. (eds): Hypertext: State of the Art. Norwood, NJ: Ablex Publishing (1990)
- SINGER, R.A.: Circuit II – A Conversational Graphical Interface. In: Computers and Education 1 20 (1993) 17-25
- SKINNER, B.F.: The Science of Learning and the Art of Teaching. In: Harvard Educational Review 24 (1954) 86-97
- SKINNER, B.F.: Teaching Machines. In: Science 128 (1958) 969-977
- SLATIN, J.M.: Is there a Class in this Text? Creating Knowledge in the Electronic Classroom. 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) 27-51
- SLEEMAN, D.: PIXIE: A Shell for Developing Intelligent Tutoring Systems. In: Lawler, R.W./Yazdani, M. (eds): Artificial Intelligence and Education: Learning Environments and Tutoring Systems. Vol. 1. Norwood, NJ: Ablex Publishing (1987)
- SLEEMAN, D./BROWN, J.S. (eds): Intelligent Tutoring Systems. Boston u.a.: Academic Press 1982
- SMEATON, A.F.: Using Hypertext for Computer Based Learning. In: Computers and Education 3 17 (1991) 173-179
- SMITH, D.C./IRBY, C. ET AL: Designing the Star User Interface. In: Byte 4 7 (1982) 242-282
- SMITH, E.E./WESTHOFF, G.M.: The Taliesin Project: Multidisciplinary Education and Multimedia. In: Educational Technology 1 32 (1992) 15-23
- SMITH, L.: Necessary Knowledge: Piagetian Perspectives on Constructivism. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1993
- SMITH, L.M./POHLAND, P.A.: Education, Technology, and the Rural Highlands. In: Blomeyer, R.L., Jr./Martin, C.D. (eds): Case Studies in Computer Aided Learning. London/New York/Philadelphia: The Falmer Press (1991) 13-52
- SMITH, P.A./WILSON, J.: Hypertext and Expert Systems: The Possibilities for Integration. In: Interacting with Computers 4 5 (1993) 371-384
- SMITH, R.B.: An Alternate Reality Kit: An Animated Environment for Creating Interactive Simulations. In: Boyd-Barrett, O./Scanlon, E. (eds): Computers and Learning. Reading, MA. u.a.: Addison-Wesley (1990) 310-318

- SNELBECKER, G.E.: Is Instructional Theory Alive and Well? In: Reigeluth, C.M. (ed): *Instructional Design Theories and Models: An Overview of their Current Status*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1983) 437-472
- SNOW, R.E./SWANSON, J.: *Instructional Psychology: Aptitude, Adaptation, and Assessment*. In: *Annual Review of Psychology* 43 (1992) 583-626
- SPADA, H./OPWIS, K.: Intelligente tutorielle Systeme aus psychologischer Sicht. In: Mandl, H./Fischer, P.M. (eds): *Lernen im Dialog mit dem Computer*. München/Wien/Baltimore: Urban & Schwarzenberg (1985) 13-23
- SPADA, H./OPWIS, K./STUMPF, M.: Wissenserwerb durch Hypothesenbildung: Computerisierte Modellierung, Diagnose und Förderung. Freiburg: Psychologisches Institut der Universität 1988 Report
- SPADA, H./STUMPF, M./OPWIS, K.: The Constructive Process of Knowledge Acquisition: Student Modeling. In: Maurer, H. (ed): *Computer Assisted Learning. Proceedings 2 Int. Conf. ICCAL (Lecture Notes in Computer Science; 360)* Berlin/Heidelberg: Springer (1989) 486-499
- SPÄTH, P.: Design Considerations in Hypermedia Tutorials. 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) 39-50
- SPIRO, R.J./COULSON, R.L. ET AL: Cognitive Flexibility Theory: Advanced Knowledge Acquisition in Ill-Structured Domains. In: Patel, V. (ed): *Tenth Annual Conference of the Cognitive Science Society*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 375-383
- SPIRO, R.J./FELTOVICH, P.J. ET AL: Cognitive Flexibility, Constructivism, and Hypertext: Random Access Instruction for Advanced Knowledge Acquisition in Illstructured Domains. In: *Educational Technology* 5 31 (1991a) 24-33; ebenfalls in: Duffy, T.M./Jonassen, D.H. (eds): *Constructivism and the Technology of Instruction: A Conversation*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1992) 57-75
- SPIRO, R.J./FELTOVICH, P.J. ET AL: Knowledge Representation, Content Specification, and the Development of Skill in Situation-specific Knowledge Assembly: Some Constructivist Issues as they Relate to Cognitive Flexibility Theory and Hypertext. In: *Educational Technology* 9 31 (1991b) 22-25
- SPIRO, R.J./JEHNG, J.-CH.: Cognitive Flexibility and Hypertext: Technology for the Nonlinear and Multidimensional Traversal of Complex Subject Matter. In: Nix, D./Spiro, R.J. (eds): *Cognition, Education, and Multimedia. Exploring Ideas in High Technology*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1990) 163-205
- SQUIRES, D./MCDougall, A.: Computer-Based Microworlds—A Definition to Aid Design. In: *Computers and Education* 3 10 (1986) 375-378
- STAKE, B.E.: PLATO Mathematics: The Teacher and Fourth Grade Students Respond. In: Blomeyer, R.L., Jr./Martin, C.D. (eds): *Case Studies in Computer Aided Learning*. London/New York/Philadelphia: The Falmer Press (1991) 53-109
- STANDISH, D.G.: The Use of CD-ROM Based Books To Improve Reading Comprehension in Second Grade Students. *Practicum in Curriculum and Instruction*, Wilmington College 1992 (ED352605; CS011101 Report)
- STANTON, N.A./BABER, C.: An Investigation of Styles and Strategies in Self-Directed Learning. In: *Journal of Educational Multimedia and Hypermedia* 2 1 (1992) 147-167
- STANTON, N.A./TAYLOR, R.G.: Maps as Navigational Aids in Hypertext Environments: An Empirical Evaluation. In: *Journal of Educational Multimedia and Hypermedia* 4 1 (1992) 431-444
- STARKE, L./BOLT, R.A.: A Gaze-Responsive Self-Disclosing Display. In: *Proceedings of the ACM CHI '90 Conference on Human Factors in Computing Systems* (Seattle, WA) (1990) 3-9
- STEBLER, R./REUSSER, K./PAULI, C.: Interaktive Lehr-Lern-Umgebungen: Didaktische Arrangements im Dienste des gründlichen Verstehens. In: Reusser, K./Reusser-Weyeneth, M. (eds): *Verstehen. Psychologischer Prozeß und didaktische Aufgabe*. Bern/Stuttgart/Wien: Hans Huber (1994) 227-259
- STEINBERG, E.R.: Review of Student Control of Learning in Computer-Assisted Instruction. In: *Journal of Computer-Based Instruction* 3 3 (1977) 84-90
- STEINBERG, E.R.: Cognition and Learner Control: A Literature Review 1977-1988. In: *Journal of Computer-Based Instruction* 4 16 (1989) 117-121
- STEINMETZ, R.: *Multimedia-Technologie: Einführung und Grundlagen*. Berlin/Heidelberg: Springer 1993
- STERMAN, N.T./ALLEN, B.S.: The Mediated Museum: Computer-Based Technology and Museum Infrastructure

- ture. In: *Journal of Educational Technology Systems* 1 19 (1991) 21-31
- STERNBURG, M.L.: The American Sign Language Dictionary on CD-ROM. In: New York: Harper Collins 1994 (Software)
- STEVENS, A.L./COLLINS, A./GOLDIN, S.: Misconceptions in Student's Understanding. In: Sleeman, D./Brown, J.S. (eds): *Intelligent Tutoring Systems*. Boston u.a.: Academic Press (1982)
- STONIER, T.: Futures – the Personal Electronic Pocket-Book. In: *Educational and Training Technology International* 4 28 (1991) 364-368
- STOTTS, P.D./FURUTA, R.: Adding Browsing Semantics to the Hypertext Model. In: *Proceedings of the ACM Conference on Document Processing Systems* (December 5-9, 1988, Santa Fe, NM). New York, NY: ACM (1988) 43-50
- STOTTS, P.D./FURUTA, R.: Petri-Net-Based Hypertext: Document Structure with Browsing Semantics. In: *ACM Transactions on Information Systems* 1 7 (1989) 3-29
- STOTTS, P.D./FURUTA, R.: Hierarchy, Composition, Scripting Languages, and Translators for Structured Hypertext. 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) 181-193
- STRATIL, M.: Artificial Intelligence in Higher Education and CBT Technology. In: *Educational and Training Technology International* 3 27 (1989) 215-225
- STRAUSS, R.T./KINZIE, M.B.: Hi-Tech Alternatives to Dissection. In: *American Biology Teacher* 3 53 (1991) 154-158
- STRAWN, J.: Digital Audio Representation and Processing. In: Koegel Buford, J.F. (ed): *Multimedia Systems*. Reading, MA. u.a.: Addison-Wesley (1994) 65-107
- STREITZ, N.A.: Kognitionspsychologische Aspekte der Gestaltung von Dialogstrukturen bei interaktiven Lehr-Lern-Systemen. In: Mandl, H./Fischer, P.M. (eds): *Lernen im Dialog mit dem Computer*. München/Wien/Baltimore: Urban & Schwarzenberg (1985) 54-67
- STREITZ, N.A.: Mental Models and Metaphors: Implications for the Design of Adaptive User-System Interfaces. In: Mandl, H./Lesgold, A.M. (eds): *Learning Issues for Intelligent Tutoring Systems*. Berlin/Heidelberg: Springer (1988) 165-186
- STREITZ, N.A./HAAKE, J. ET AL: SEPIA: A Cooperative Hypermedia Authoring Environment. 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) 11-22
- STREITZ, N.A./HANNEMANN, J.: Elaborating Arguments: Writing, Learning, and Reasoning in a Hypertext Based Environment for Authoring. In: Jonassen, D.H./Mandl, H. (eds): *Designing Hypermedia for Learning* (NATO ASI Series F: Computer and Systems Sciences; 67) Berlin/Heidelberg: Springer (1990) 407-437
- STRITTMATTER, P./DÖRR, G. ET AL: Informelles Lernen: Bedingungen des Lernens mit Fernsehen. In: *Unterrichtswissenschaft* 16 (1988) 3-26
- STUCKY, S.U.: Situated Cognition: A Strong Hypothesis. In: Engel, F.L./Bouwhuis, 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) 27-34
- SUCHMAN, L.: *Plans and Situated Actions*. Cambridge: Cambridge University Press 1987
- SUNDERMEYER, K.: Modellierung von Agentensystemen. In: Müller, J. (ed): *Verteilte Künstliche Intelligenz – Methoden und Anwendungen*. Mannheim (1993) 22-44
- SUPPES, P./MORNINGSTAR, M.: Four Programs in Computer-assisted Instruction. In: Holtzman, W.H. (ed): *Computer-Assisted Instruction, Testing, and Guidance*. New York/Evanston/London: Harper & Row (1970) 233-265
- SUPPES, P./MORNINGSTAR, M.: Computer-Assisted Instruction: Stanford, 1965-1966: Data, Models, and Evaluation of the Arithmetic Programs. New York/London: Academic Press 1972
- SWAN, K.: The Teaching and Learning of Problem Solving through LOGO Programming. In: Bierman, D.J./Breuker, J./Sandberg, J. (eds): *Artificial Intelligence and Education*. Proceedings of the 4th International Conference on AI and Education, 24-26 May 1989, Amsterdam). Amsterdam/Springfield, VA/Tokyo: IOS (1989) 281-290

- SWAN, K.: History, Hypermedia, and Criss-Crossed Conceptual Landscapes. In: *Journal of Educational Multimedia and Hypermedia* 2 3 (1994) 120-139
- SWANSON, J.: The Effectiveness of Tutorial Strategies: An Experimental Evaluation. Paper presented at the AERA conference, Boston 1990
- TAN, C.M.: Some Factors Influencing Student Performance in Laboratory Experimental Work in Physiology with Implications for Curriculum Deliberations and Instructional Design. In: *Higher Education* 19 (1990) 473-479
- TANG, H./BARDEN, R./CLIFTON, C.: A New Learning Environment Based on Hypertext and its Techniques. 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) 119-127
- TAYLOR, C.D.: Choosing a Display Format for Instructional Multimedia: Two Screens vs. One. In: *Proceedings of Selected Research and Development Presentations at the Convention of the Association for Educational Communications and Technology* (1992) 761-785
- TENNY, J.L.: Computer-supported Study Strategies for Purple People. In: *Reading and Writing Quarterly Overcoming Learning Difficulties* 4 8 (1992) 359-377
- TENNYSON, R.D.: MAIS: A Computer-Based Integrated Instructional System. In: *Behavior Research Methods, Instruments and Computers* 2 25 (1993) 93-100
- TENNYSON, R.D./CHRISTENSEN, D.L.: MAIS: An Intelligent Learning System. In: Jonassen, D.H. (ed): *Instructional Designs for Microcomputer Courseware*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 247-274
- TENNYSON, R.D./ELMORE, R.L./SNYDER, L.: Advancements in Instructional Design Theory: Contextual Module Analysis and Integrated Instructional Strategies. Special Issue: *Educational Technology: Four decades of research and theory*. In: *Educational Technology, Research and Development* 2 40 (1992) 9-22
- TENNYSON, R.D./RASCH, M.: Linking Cognitive Learning Theory to Instructional Prescriptions. In: *Instructional Science* 4 17 (1988) 369-385
- TEODORO, V.D.: Direct Manipulation of Physical Concepts in a Computerized Exploratory Laboratory. 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) 445-464
- TEUFEL, S./SAUTER, C./MÜHLHERR, T./BAUKNECHT, K.: Computerunterstützung für die Gruppenarbeit. Bonn, Paris u.a.: Addison-Wesley 1995
- THIEL, U.: Interaction in Hypermedia Systems: From Browsing to Conversation. In: Schuler, W./Hannemann, J./Streitz, N.A. (eds): *Designing User Interfaces for Hypermedia (Research Reports ESPRIT)* Berlin/Heidelberg: Springer (1995) 43-54
- THOMAS, B.: If Monks had Macs.... In: Berk, E./Devlin, J. (eds): *Hypertext/Hypermedia Handbook*. New York: McGraw-Hill (1991) 519-523
- THOMPSON, J.G./JORGENSEN, S.: How Interactive IS Instructional Technology? Alternative Models for Looking at Interactions Between Learners and Media. In: *Educational Researcher* 2 18 (1989) 24-27
- THORNTON, R.K.: Tools for Scientific Thinking: Learning Physical Concepts with Real-Time Laboratory Measurement Tools. 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) 139-151
- THURMAN, R.A.: Instructional Simulation from a Cognitive Psychology Viewpoint. In: *Educational Technology, Research and Development* 4 41 (1993) 75-89
- TINKER, R.F./THORNTON, R.K.: Constructing Student Knowledge in Science. 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) 153-170
- TOBIAS, S.: An Eclectic Examination of Some Issues in the Constructivist-ISD controversy. In: Duffy, T.M./Jonassen, D.H. (eds): *Constructivism and the Technology of Instruction: A Conversation*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1992) 205-209
- TOMBAUGH, J./LICKORISH, A./WRIGHT, P.: Multi-Windows Displays for Readers of Lengthy Texts. In: *International Journal of Man-Machine Studies* 5 26 (1987) 597-615
- TOMPSETT, C.P.: Contextual Browsing Within a Hypermedia Environment. 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) 95-110
- TOVAR, M./COLDEVIN, G.: Effects of Orienting Activities and Instructional Control on Learning Facts and Procedures from Interactive Video. In: Journal of Educational Computing Research 4/8 (1992) 507-519
- TOWNE, D.M./MUNRO, A.: Two Approaches to Simulation Composition for Training. In: FARR, M.J./PSOTKA, J. (eds): Intelligent Instruction by Computer: Theory and Practice. Philadelphia, PA: Taylor & Francis (1992) 105-126
- TRIGG, R.H.: A Network-Based Approach to Text Handling for the Online Scientific Community. University of Maryland 1983 (University Microfilms #8429934 Dissertation)
- TRIGG, R.H.: Guided Tours and Tabletops: Tools for Communicating in a Hypertext Environment. In: ACM Transactions on Office Information Systems 4/6 (1988) 398-414
- TRUMBULL, D./GAY, G./MAZUR, J.: Students' Actual and Perceived Use of Navigational and Guidance Tools in a Hypermedia Program. In: Journal of Research on Computing in Education 3/24 (1992) 315-328
- TURKLE, S.: Paradoxical Reactions and Powerful Ideas: Educational Computing in a Department of Physics. 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) 547-578
- TURKLE, S./PAPERT, S.: Epistemological Pluralism and the Revaluation of the Concrete. In: HAREL, I./PAPERT, S. (eds): Constructionism. Norwood, NJ: Ablex Publishing (1991) 161-191
- TUTTLE, D.M.: Interactive Instruction: Evolution, Convolution, Revolution. 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) 165-173
- TWIDALE, M.B.: Redressing the Balance: The Advantages of Informal Evaluation Techniques for Intelligent Learning Environments. In: Journal of Artificial Intelligence in Education 2/3/4 (1993) 155-178
- TWIDALE, M.B./RODDEN, T./SOMMERVILLE, I.: The Use of a Computational Tool to Support the Refinement of Ideas. In: Computers and Education 1/2/22 (1994) 107-118
- UNDERVISNINGSMINISTERIET (Danish Ministry of Education) (ed): Technology-Supported Learning (Distance Learning). Report 1253. 1994
- URDAN, T./BLUMENFELD, P. ET AL: IBYD: Computer Support for Developing Unit Plans: A First Study. 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) 323-348
- UTTING, K./YANKELOVICH, N.: Context and Orientation in Hypermedia Networks. In: ACM Transactions on Information Systems 1/7 (1989) 58-84
- VACHERAND-REVEL, J./BESSIÈRE, CH.: 'Playing' Graphics in the Design and Use of Multimedia Courseware. 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) 57-82
- VAN BERKUM, J.J.A./DE JONG, T.: Instructional Environments for Simulations. In: Education and Computing 6 (1991) 305-358
- VAN DEN BERG, S./WATT, J.H.: Effects of Educational Setting on Student Responses to Structured Hypertext. In: Journal of Computer-Based Instruction 4/18 (1991) 118-124
- VAN DER LINDEN, E.: Does Feedback Enhance Computer-Assisted Language Learning? In: Computers and Education 1/2/22 (1994) 61-65
- VAN DER MAST, C./HARTEMINK, F./HENKENS, L.: Case Study of a National Educational Software Development Program in the Netherlands. In: Machine-Mediated Learning 3 (1989) 345-360
- VAN JOOLINGEN, W.R./DE JONG, T.: Supporting Hypothesis Generation by Learners Exploring an Interactive Computer Simulation. In: Instructional Science 20 (1991) 389-404
- VAN MERRIËNBOER, J.J.G./KRAMMER, H.P.M.: A Descriptive Model of Instructional Processes in Interactive Learning Environments for Elementary Computer Programming. 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) 213-228
- VANLEHN, K.: Student Modeling. In: POLSON, M.C./RICHARDSON, J./SOLOWAY, E. (eds): Foundations of Intelligent Computer-Based Instruction. Berlin/Heidelberg: Springer (1992) 111-132

- gent Tutoring Systems. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 55-78
- VANLEHN, K. (ed): Architectures for Intelligence. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. 1991
- VANLEHN, K.: A Workbench for Discovering Task Specific Theories of Learning. 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) 23-31
- VARELA, F.J.: Kognitionswissenschaft — Kognitionstechnik. Eine Skizze aktueller Perspektiven. (suhrkamp taschenbuch wissenschaft; 882) Frankfurt am Main: Suhrkamp Taschenbuch Verlag 1990
- VAZQUEZ-ABAD, J./LAFLEUR, M.: Design of a Performance-Responsive Drill and Practice Algorithm for Computer-Based Training. In: Computers and Education 14 (1990) 43-52
- VEEN, W.: Factors Affecting the Use of Computers in the Classroom: Four Case Studies. In: Watson, D./Tinsley, D. (eds): Integrating Information Technology into Education. London u.a.: Chapman & Hall (1995) 169-184
- VEENMAN, M.V.J./ELSHOUT, J.J./BIERMAN, D.J.: Structure of Learning Environments and Individual Differences as Predictors of Learning. In: Klemmers, 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) 227-239
- VENTURÁ, C.A.: Why Switch from Paper to Electronic Manuals? In: Proceedings of the ACM Conference on Document Processing Systems. Santa Fe, NM (1988) 111-116
- VERGNAUD, G.: Conceptual Fields, Problem Solving and Intelligent Computer Tools. 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) 287-312
- VERMUNT, J.D.H.M./VAN RIJSWIJK, F.A.W.M.: Analysis and Development of Students' Skill in Selfregulated Learning. In: Higher Education 17 (1988) 647-682
- WESTER, F.: Neuland des Denkens. Vom technokratischen zum kybernetischen Zeitalter. 1. Aufl. Stuttgart: Deutsche Verlags-AG 1984
- VON GLASERSFELD, E.: Radical Constructivism: A Way of Knowing and Learning. London/New York/Philadelphia: The Falmer Press 1995
- VOOGT, J.: Courseware Evaluation by Teachers: An Implementation Perspective. In: Computers and Education 14 (1990) 299-307
- VOSNIADOU, S.: Fostering Conceptual Change: The Role of Computer-Based Environments. In: De Corte, E. et al (eds): Computer-Based Learning Environments and Problem Solving. (NATO ASI Series. Series F: Computer and Systems Sciences; 84) Berlin/Heidelberg: Springer (1992) 149-162
- VOSNIADOU, S.: From Cognitive Theory to Educational Technology. In: Vosniadou, S./De Corte, E./Mandl, H. (eds): Technology-Based Learning Environments. Psychological and Educational Foundations. Berlin/Heidelberg: Springer (1994) 11-18
- VOSS, J.: Problem-Solving and Reasoning in Ill-Structured Domains. In: Antaki, C. (ed): Analysing Everyday Explanation. London: Sage (1988) 74-93
- WAGER, W./GAGNÉ, R.M.: Designing Computer-Aided Instruction. In: Jonassen, D.H. (ed): Instructional Designs for Microcomputer Courseware. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 35-60
- WAGER, W./POLKINGHORNE, S./POWLEY, R.: Simulations: Selection and development. In: Performance Improvement Quarterly 25 (1992) 47-64
- WALLMANNSBERGER, J.: Ariadnefäden im Docuversum. Texte in globalen Netzwerken. In: Jakobs, E.-M./Knorr, D./Molitor-Lübbert, (eds): Wissenschaftliche Textproduktion mit und ohne Computer. Frankfurt/M., Berlin u.a.: Peter Lang Verlag (1995) 227-243
- WEIDENMANN, B.: Instruktionsmedien. (Gelbe Reihe: Arbeiten zur Empirischen Pädagogik und Pädagogischen Psychologie; 27) 1993
- WEIDENMANN, B. (ed): Wissenserwerb mit Bildern. Bern/Göttingen/Toronto/Seattle: Verlag Hans Huber 1994
- WEIMER, D./GANAPATHY, S.K.: Interaction Techniques Using Hand Tracking and Speech Recognition. In: Blattner, M.M./Dannenberg, R.B. (eds): Multimedia Interface Design. Reading, MA. u.a.: Addison-Wesley (1992) 109-126
- WEIZENBAUM, J.: ELIZA – A Computer Program for the Study of Natural Language Communication Between

- Man and Machine. In: *Communications of the ACM* 19 (1966) 36-44
- WEIZENBAUM, J.: *Die Macht der Computer und die Ohnmacht der Vernunft*. Frankfurt/M.: Suhrkamp 1977
- WELLE-STRAND, A.: Evaluation of the Norwegian Program of Action: *The Impact of Computers in the Classroom and How Schools Learn*. In: *Computers and Education* 1 16 (1991) 29-35
- WENGER, E.: *Artificial Intelligence and Tutoring Systems: Computational and Cognitive Approaches to the Communication of Knowledge*. Los Altos, CA.: Morgan Kaufmann Publishers, Inc. 1987
- WENNEVOLD, S.: The Norwegian Plan for Action for Computer Technology in Schools. In: Kent, W.A./Lewis, R. (eds): *Computer-Assisted Learning in the Humanities and Social Sciences*. Oxford: Blackwell (1987) 195-200
- WHITE, B./HORWITZ, P.: Computer Microworlds and Conceptual Change: A New Approach to Science Education. In: Boyd-Barrett, O./Scanlon, E. (eds): *Computers and Learning. Reading*, MA. u.a.: Addison-Wesley (1990) 51-63
- WHITE, B.Y.: A Microworld Approach to Science Education. 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) 227-242
- WIEBE, J.H./MARTIN, N.J.: The Impact of a Computer-based Adventure Game on Achievement and Attitudes in Geography. In: *Journal of Computing in Childhood Education* 1 5 (1994) 61-71
- WILDMAN, T.M.: Cognitive Theory and the Design of Instruction. In: *Educational Technology* 7 21 (1981) 14-20
- WILDMAN, T.M./BURTON, J.K.: Integrating Learning Theory with Instructional Design. In: *Journal of Instructional Development* 4 (1981) 5-14
- WILLIAMS, M.D./DODGE, B.J.: Tracking and Analyzing Learner-Computer Interaction. In: *Proceedings of Selected Research and Development Presentations at the Convention of the Association for Educational Communications and Technology* (15th, New Orleans, Louisiana, January 13-17, 1993) New Orleans (1993) 1115-1129
- WILLIAMS, M.D./HOLLAN, J.D./STEVENS, A.L.: Human Reasoning about a Simple Physical System. In: Gentner, D./Stevens, A.T. (eds): *Mental Models*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1983) 131-153
- WILSON, B./COLE, P.: A Review of Cognitive Teaching Models. In: *Educational Technology, Research and Development* 4 39 (1991) 47-64
- WILSON, B.G./JONASSEN, D.H.: Automated Instructional Systems Design: A Review of Prototype Systems. In: *Journal of Artificial Intelligence in Education*. 2 (1990/91) 17-30
- WILSON, K./TALLY, W.: Looking at Multimedia: Design Issues in Several Discovery-Oriented Programs. Technical Report No. 13. New York, NY: Center for Technology in Education 1991 Report
- WILSON, K.S.: Palenque: An Interactive Multimedia Digital Video Interactive Prototype for Children. In: Soloway, E./Frye, D./Sheppard, S.B. (eds): *Proceedings of the CHI'88: Human Factors in Computing Systems*. Washington, DC: ACM Press (1988) 275-279
- WILSON, K.S.: Discussions on Two Multimedia R & D Projects: The Palenque Project and the Interactive Video Project of the Museum Education Consortium. 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) 186-196
- WINN, W.: Instructional Design and Intelligent Systems: Shifts in the Designer's Decision-making Role. In: *Instructional Science* 1 16 (1987) 59-77
- WINN, W.: Toward a Rationale and Theoretical Basis for Educational Technology. In: *Educational Technology, Research and Development* 1 37 (1989) 35-46
- WINN, W.: Some Implications of Cognitive Theory for Instructional Design. In: *Instructional Science* 19 (1990) 53-69
- WINN, W.: The Assumptions of Constructivism and Instructional Design. In: *Educational Technology* 31 (1991) 38-40
- WINN, W.: A Constructivist Critique of the Assumptions of Instructional Design. 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) 189-212

- WINOGRAD, T.: Frame Representations and the Declarative/Procedural Controversy. In: Bobrow, D.G./Collins, A. (eds): *Representation and Understanding*. Boston/New York u.a.: Academic Press (1975)
- WINOGRAD, T./FLORES, F.: *Understanding Computers and Conceptual Change: A New Foundation for Design*. Reading, MA. u.a.: Addison-Wesley 1987
- WISHART, J./CANTER, D.: Variations in User Involvement with Educational Software. In: *Computers and Education* 3 12 (1988) 365-379
- WOLF, D.P.: *The Quality of Interaction: Domain Knowledge, Social Interchange, and Computer Learning*. In: Forman, G./Pufall, P.B. (eds): *Constructivism in the Computer Age*. Hillsdale, NJ u.a.: Lawrence Erlbaum Ass. (1988) 203-215
- WOLFE, C.R.: Using an Authoring System to Facilitate Student-Centered Discovery Oriented Learning. In: *Computers and Education* 4 19 (1992) 335-340
- WOODHEAD, N.: *Hypertext and Hypermedia. Theory and Applications*. Reading, MA.: Addison-Wesley 1991
- WOODWARD, D.D.: Modality, Extensionality, and Computability. In: Dillon, M. (ed): *Interfaces for Information Retrieval and Online Systems: The State of the Art*. New York: Greenwood Press (1991) 77-82
- WOOFFITT, R.: On the Analysis of Interaction. An Introduction to Conversation Analysis. In: Luff, P./Gilbert, N./Frohlich, D. (eds): *Computers and Conversation*. London/New York u.a.: Academic Press (1990) 7-38
- WOOLF, B.P.: Theoretical Frontiers in Building a Machine Tutor. In: Kearsley, G.P. (ed): *Artificial Intelligence and Instruction*. Reading, MA. u.a.: Addison-Wesley (1987) 229-267
- WOOLF, B.P.: Representing Complex Knowledge in an Intelligent Machine Tutor. In: Self, J. (ed): *Artificial Intelligence and Human Learning: Intelligent Computer-Aided Instruction*. London: Chapman & Hall (1988) 3-27
- WRIGHT, P.: Interface Alternatives for Hypertext. In: *Hypermedia* 2 1 (1989) 146-166
- WRIGHT, P./LICKORISH, A.: An Empirical Comparison of Two Navigation Systems for Two Hypertexts. In: McAleese, R./Green, C. (eds): *Hypertext: State of the Art*. Norwood, NJ: Ablex Publishing (1990) 84-93
- WURMAN, R.S.: *Information Anxiety*. Doubleday 1989
- YACCI, M.: A Grounded Theory of Student Choice in Information-Rich Learning Environments. In: *Journal of Educational Multimedia and Hypermedia* 3/4 3 (1994) 327-350
- YANKELOVICH, N./HAAN, B.J. ET AL.: *Intermedia: The Concept and the Construction of a Seamless Information Environment*. In: *IEEE Computer* 1 21 (1988) 81-96
- YANKELOVICH, N./MEYROWITZ, N./VAN DAM, A.: Reading and Writing the Electronic Book. In: *IEEE Computer* 10 18 (1985) 15-30
- YILDIZ, R./ATKINS, M.J.: How To Evaluate Multimedia Simulations: Learning from the Past. Paper presented at the European Conference on Educational Research (Enschede, The Netherlands, June 22-25, 1992) Enschede 1992 - Report
- YILDIZ, R./ATKINS, M.J.: Evaluating Multimedia Applications. In: *Computers and Education* 1/2 22 (1994) 133-139
- YODER, E.: Preferred Learning Style and Educational Technology: Linear vs. Interactive Video. In: *Nursing and Health Care* 3 15 (1994) 128-132
- YODER, E./AKSCYN, R./MCCRACKEN, D.: Collaboration in KMS, A Shared Hypermedia System. In: Byce, K./Clayton, L. (Eds): *Proceedings of the CHI '89 'Wings for the Mind' Conference*. Austin, TX, April 30-May 4 1989, 37-42
- YOUNG, M.F.D.: Instructional Design for Situated Learning. In: *Educational Technology, Research and Development* 1 41 (1993) 43-58
- YUNG-BIN, B.L.: Effects of Learning Style in a Hypermedia Instructional System. In: *Proceedings of Selected Research and Development Presentations at the Convention of the Association for Educational Communications and Technology* (1992) 537-540
- ZEMKE, R.: Shell Scores with Interactive Video. In: *Training* 9 28 (1991) 33-38
- ZIEGFELD, R./HAWKINS, R. ET AL: Preparing for a Successful Large-Scale Courseware Development Project. In: Barrett, E. (ed): *Text, ConText, and Hypertext*. Cambridge/London: M.I.T. Press (1988) 211-226