

Wolff-Michael Roth

List of Publications by Year in descending order

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Version: 2024-02-01

181
papers

9,755
citations

31902

53
h-index

48187

88
g-index

198
all docs

198
docs citations

198
times ranked

3606
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Reflections During the COVID-19 Pandemic: Science, Education, and Everyday Life. Canadian Journal of Science, Mathematics and Technology Education, 2022, 22, 250-258. | 0.6 | 5 |
| 2 | A cultural-historical perspective on the multimodal development of concepts in science lectures. Cultural Studies of Science Education, 2020, 15, 31-70. | 0.9 | 3 |
| 3 | Zone of Proximal Development in Mathematics Education. , 2020, , 913-916. | | 1 |
| 4 | Interdisciplinary Approaches in Mathematics Education. , 2020, , 415-419. | | 2 |
| 5 | Activity Theory in Mathematics Education. , 2020, , 20-23. | | 1 |
| 6 | Activity Theory in Mathematics Education. , 2019, , 1-5. | | 0 |
| 7 | More than the code. Communications of the ACM, 2018, 61, 66-71. | 3.3 | 37 |
| 8 | STEM and Affect in Adolescence: A Cultural-Historical Approach. , 2018, , 15-36. | | 2 |
| 9 | Interdisciplinary Approaches in Mathematics Education. , 2018, , 1-5. | | 0 |
| 10 | Understanding Educational Psychology. Cultural Psychology of Education, 2017, , . | 0.1 | 34 |
| 11 | “The Way to Freedom” in/for Education. Cultural Psychology of Education, 2017, , 297-319. | 0.1 | 0 |
| 12 | On the Irreducibility of Acting, Emoting, and Thinking. , 2017, , 409-431. | | 0 |
| 13 | STEPWISE: A Societal-Historical Activity (Activism) Theoretical Perspective. Cultural Studies of Science Education, 2017, , 639-656. | 0.2 | 0 |
| 14 | Quasi-communities: rethinking learning in formal adult and vocational education. Instructional Science, 2016, 44, 583-600. | 1.1 | 10 |
| 15 | On the societal nature of praxis and organic research. Cultural Studies of Science Education, 2016, 11, 105-125. | 0.9 | 2 |
| 16 | Seeing design stances. CoDesign, 2016, 12, 6-25. | 1.4 | 3 |
| 17 | Cogenerative Dialogue for Collective Curriculum Leadership. , 2016, , 311-329. | | 2 |
| 18 | Becoming and Belonging. , 2016, , 295-320. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Becoming and Belonging. , 2016, , 295-320. | | 0 |
| 20 | The stakes of movement: A dynamic approach to mathematical thinking. Curriculum Inquiry, 2015, 45, 266-284. | 0.8 | 5 |
| 21 | Schooling Is the Problem: A Plaidoyer forÂtsÂDeinstitutionalization. Canadian Journal of Science, Mathematics and Technology Education, 2015, 15, 315-331. | 0.6 | 12 |
| 22 | Rethinking Affect in Education From a Societal-Historical Perspective: The Case of Mathematics Anxiety. Mind, Culture, and Activity, 2015, 22, 217-232. | 1.1 | 10 |
| 23 | Optimizing a workplace learning pattern: a case study from aviation. Journal of Workplace Learning, 2015, 27, 112-127. | 0.9 | 6 |
| 24 | Rigorous Data Analysis. , 2015, , . | | 5 |
| 25 | Meaning and the real life of languageâ€”Learning from â€œpathologicalâ€-cases in science classrooms. Linguistics and Education, 2015, 30, 42-55. | 0.5 | 9 |
| 26 | Ecological mindfulness, spirituality, and life-long (hybrid, dialogical) learning: a tribute to Michiel van Eijck. Cultural Studies of Science Education, 2015, 10, 21-40. | 0.9 | 0 |
| 27 | Enracinement or the earth, the originary ark, does not move: on the phenomenological (historical) Tj ETQq1 1 0.784314 rgBT /Overload understanding. Cultural Studies of Science Education, 2015, 10, 469-494. | 0.9 | 11 |
| 28 | Socio-Cultural Perspectives on Learning Science. , 2015, , 985-996. | | 2 |
| 29 | Cautions about Inferences from International Assessments: The Case of PISA 2009. Teachers College Record, 2015, 117, 1-28. | 0.4 | 1 |
| 30 | Cautions about Inferences from International Assessments: The Case of PISA 2009. Teachers College Record, 2015, 117, 1-28. | 0.4 | 40 |
| 31 | The Social Nature of Representational Engineering Knowledge. , 2014, , 67-82. | | 5 |
| 32 | Reading<i>Activity, Consciousness, Personality</i>Dialectically: Cultural-Historical Activity Theory and the Centrality of Society. Mind, Culture, and Activity, 2014, 21, 4-20. | 1.1 | 32 |
| 33 | Activity Theory. , 2014, , 25-31. | | 2 |
| 34 | The theory-practice gap: epistemology, identity, and education. Education and Training, 2014, 56, 521-536. | 1.7 | 20 |
| 35 | On understanding variability in data: a study of graph interpretation in an advanced experimental biology laboratory. Educational Studies in Mathematics, 2014, 86, 359-376. | 1.8 | 3 |
| 36 | Personal Healthâ€”Personalized Science: A new driver for science education?. International Journal of Science Education, 2014, 36, 1434-1456. | 1.0 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | History and the relationship between scientific and pedagogical knowledge: anatomy lectures then and now. <i>Journal of Curriculum Studies</i> , 2014, 46, 180-200. | 1.2 | 4 |
| 38 | Rules of bending, bending the rules: the geometry of electrical conduit bending in college and workplace. <i>Educational Studies in Mathematics</i> , 2014, 86, 177-192. | 1.8 | 32 |
| 39 | From-Within-the-Event: A Post-constructivist Perspective on Activism, Ethics, and Science Education. <i>Cultural Studies of Science Education</i> , 2014, , 237-254. | 0.2 | 2 |
| 40 | Zone of Proximal Development in Mathematics Education. , 2014, , 647-650. | | 2 |
| 41 | Socio-Cultural Perspectives on Learning Science. , 2014, , 1-12. | | 1 |
| 42 | Interdisciplinary Approaches in Mathematics Education. , 2014, , 317-320. | | 3 |
| 43 | Toward a Dynamic Theory of Graphing. , 2014, , 3-29. | | 0 |
| 44 | Uncertainty, Inquiry, Bricolage. , 2014, , 365-395. | | 0 |
| 45 | Activity Theory in Mathematics Education. , 2014, , 11-15. | | 1 |
| 46 | On Contradictions in Data Interpretation. , 2014, , 179-211. | | 0 |
| 47 | What More in/for Science Education. , 2013, , . | | 45 |
| 48 | Creating Learning Opportunities for Teachers and Students: A Culturalâ€Historical Understanding of Classroom Research. <i>Curriculum Inquiry</i> , 2013, 43, 233-260. | 0.8 | 5 |
| 49 | Investigating Linguistic Sources of Differential Item Functioning Using Expert Think-Aloud Protocols in Science Achievement Tests. <i>International Journal of Science Education</i> , 2013, 35, 546-576. | 1.0 | 16 |
| 50 | The Role of Representations in Engineering Practices: Taking a Turn towards Inscriptions. <i>Journal of Engineering Education</i> , 2013, 102, 2-19. | 1.9 | 37 |
| 51 | Pictures in Biology Education. <i>Models and Modeling in Science Education</i> , 2013, , 39-53. | 0.6 | 18 |
| 52 | The Heroes of Science. <i>Cultural Studies of Science Education</i> , 2013, , 3-25. | 0.2 | 1 |
| 53 | Activity, Subjectification, and Personality: Science Education from a Diversity-of-Life Perspective. <i>Cultural Studies of Science Education</i> , 2013, , 41-64. | 0.2 | 5 |
| 54 | Fostering Pre-service Teachersâ€™ Self-Determined Environmental Motivation Through Green Chemistry Experiments. <i>Journal of Science Teacher Education</i> , 2012, 23, 673-696. | 1.4 | 10 |

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|----|--|-----|-----------|
| 55 | On the hunt for elusive "meanings". Cultural Studies of Science Education, 2012, 7, 607-626. | 0.9 | 1 |
| 56 | Cultural-historical activity theory: Vygotsky's forgotten and suppressed legacy and its implication for mathematics education. Mathematics Education Research Journal, 2012, 24, 87-104. | 0.9 | 31 |
| 57 | Science of learning is learning of science: why we need a dialectical approach to science education research. Cultural Studies of Science Education, 2012, 7, 255-277. | 0.9 | 8 |
| 58 | Intercorporeality and ethical commitment: an activity perspective on classroom interaction. Educational Studies in Mathematics, 2011, 77, 227-245. | 1.8 | 68 |
| 59 | Radical embodiment and semiotics: toward a theory of mathematics in the flesh. Educational Studies in Mathematics, 2011, 77, 267-284. | 1.8 | 17 |
| 60 | CHILDREN'S GESTURES AND THE EMBODIED KNOWLEDGE OF GEOMETRY. International Journal of Science and Mathematics Education, 2011, 9, 207-238. | 1.5 | 49 |
| 61 | Cultural diversity in science education through <i>Novelization</i>: Against the <i>Epicization</i> of science and cultural centralization. Journal of Research in Science Teaching, 2011, 48, 824-847. | 2.0 | 33 |
| 62 | From a Sense of Stereotypically Foreign to Belonging in a Science Community: Ways of Experiential Descriptions About High School Students' Science Internship. Research in Science Education, 2010, 40, 291-311. | 1.4 | 31 |
| 63 | An anthropology of reading science texts in online media. Semiotica, 2010, 2010, . | 0.2 | 1 |
| 64 | Reading Online News Media for Science Content: A Social Psychological Approach. Reading Psychology, 2010, 31, 254-281. | 0.7 | 6 |
| 65 | Theorizing scientific literacy in the wild. Educational Research Review, 2010, 5, 184-194. | 4.1 | 22 |
| 66 | Teaching as mediation: The cogenerative dialogue and ethical understandings. Teaching and Teacher Education, 2010, 26, 363-370. | 1.6 | 20 |
| 67 | Toward a Social Practice Perspective on the Work of Reading Inscriptions in Science Texts. Reading Psychology, 2010, 31, 228-253. | 0.7 | 17 |
| 68 | Sociology Psychology Toward a Science of Phenomena. Cultural Studies of Science Education, 2010, , 355-375. | 0.2 | 0 |
| 69 | ReUniting Sociological and Psychological Perspectives in/for Science Education An Introduction. Cultural Studies of Science Education, 2010, , 1-12. | 0.2 | 4 |
| 70 | The Emergence of 3D Geometry From Children's (Teacher-Guided) Classification Tasks. Journal of the Learning Sciences, 2009, 18, 45-99. | 2.0 | 23 |
| 71 | Cultural "historical activity theory and pedagogy: an introduction. Pedagogies, 2009, 5, 1-5. | 0.4 | 3 |
| 72 | An Analysis of Teacher Discourse that Introduces Real Science Activities to High School Students. Research in Science Education, 2009, 39, 553-574. | 1.4 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Authentic science experiences as a vehicle to change students'™ orientations toward science and scientific career choices: Learning from the path followed by Brad. <i>Cultural Studies of Science Education</i> , 2009, 4, 611-638. | 0.9 | 40 |
| 74 | Natural pedagogical conversations in high school students' internship. <i>Journal of Research in Science Teaching</i> , 2009, 46, 481-505. | 2.0 | 20 |
| 75 | Translations of scientific practice to "students' images of science". <i>Science Education</i> , 2009, 93, 611-634. | 1.8 | 21 |
| 76 | Rethinking the ethics of scientific knowledge: A case study of teaching the environment in science classrooms. <i>Asia Pacific Education Review</i> , 2008, 9, 516-528. | 1.4 | 13 |
| 77 | Representations of scientists in Canadian high school and college textbooks. <i>Journal of Research in Science Teaching</i> , 2008, 45, 1059-1082. | 2.0 | 25 |
| 78 | The nature of scientific conceptions: A discursive psychological perspective. <i>Educational Research Review</i> , 2008, 3, 30-50. | 4.1 | 74 |
| 79 | "Vygotsky's Neglected Legacy": Cultural-Historical Activity Theory. <i>Review of Educational Research</i> , 2007, 77, 186-232. | 4.3 | 716 |
| 80 | On the Subject, Self, and Individual or Monolingualism of the Other and the Possible Impossibility of Babel Fish. <i>Mind, Culture, and Activity</i> , 2007, 14, 227-234. | 1.1 | 12 |
| 81 | Proliferation of inscriptions and transformations among preservice science teachers engaged in authentic science. <i>Journal of Research in Science Teaching</i> , 2007, 44, 538-564. | 2.0 | 32 |
| 82 | On performing concepts during science lectures. <i>Science Education</i> , 2007, 91, 96-114. | 1.8 | 44 |
| 83 | Keeping the local local: Recalibrating the status of science and traditional ecological knowledge (TEK) in education. <i>Science Education</i> , 2007, 91, 926-947. | 1.8 | 103 |
| 84 | The Practice of Field Ecology: Insights for Science Education. <i>Research in Science Education</i> , 2007, 37, 171-187. | 1.4 | 39 |
| 85 | Forum: Toward a non-reductionist perspective of thinking in science. <i>Cultural Studies of Science Education</i> , 2007, 1, 451-465. | 0.9 | 0 |
| 86 | Improving Science Education for Sustainable Development. <i>PLoS Biology</i> , 2007, 5, e306. | 2.6 | 28 |
| 87 | Contradictions in theorizing and implementing communities in education. <i>Educational Research Review</i> , 2006, 1, 27-40. | 4.1 | 105 |
| 88 | Chemical inscriptions in Korean textbooks: Semiotics of macro- and microworld. <i>Science Education</i> , 2006, 90, 173-201. | 1.8 | 57 |
| 89 | Learning and teaching as emergent features of informal settings: An ethnographic study in an environmental action group. <i>Science Education</i> , 2006, 90, 1028-1049. | 1.8 | 40 |
| 90 | Toward a new conception of conceptions: Interplay of talk, gestures, and structures in the setting. <i>Journal of Research in Science Teaching</i> , 2006, 43, 1086-1109. | 2.0 | 59 |

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|-----|--|-----|-----------|
| 91 | What Good Is Polarizing Research Into Qualitative and Quantitative?. <i>Educational Researcher</i> , 2006, 35, 14-23. | 3.3 | 146 |
| 92 | A dialectical materialist reading of the sign. <i>Semiotica</i> , 2006, 2006, . | 0.2 | 5 |
| 93 | Data and graph interpretation practices among preservice science teachers. <i>Journal of Research in Science Teaching</i> , 2005, 42, 1063-1088. | 2.0 | 72 |
| 94 | Making sense of photographs. <i>Science Education</i> , 2005, 89, 219-241. | 1.8 | 86 |
| 95 | Coordination in coteaching: Producing alignment in real time. <i>Science Education</i> , 2005, 89, 675-702. | 1.8 | 39 |
| 96 | Mathematical Inscriptions and the Reflexive Elaboration of Understanding: An Ethnography of Graphing and Numeracy in a Fish Hatchery. <i>Mathematical Thinking and Learning</i> , 2005, 7, 75-110. | 0.7 | 38 |
| 97 | Re/Making Identities in the Praxis of Urban Schooling: A Cultural Historical Perspective. <i>Mind, Culture, and Activity</i> , 2004, 11, 48-69. | 1.1 | 109 |
| 98 | Emergence of Graphing Practices in Scientific Research. <i>Journal of Cognition and Culture</i> , 2004, 4, 595-627. | 0.1 | 16 |
| 99 | Interpreting unfamiliar graphs: A generative, activity theoretic model. <i>Educational Studies in Mathematics</i> , 2004, 57, 265-290. | 1.8 | 31 |
| 100 | Science education as/for participation in the community. <i>Science Education</i> , 2004, 88, 263-291. | 1.8 | 324 |
| 101 | Coteaching: Creating resources for learning and learning to teach chemistry in urban high schools. <i>Journal of Research in Science Teaching</i> , 2004, 41, 882-904. | 2.0 | 101 |
| 102 | Photographs in lectures: Gestures as meaning-making resources. <i>Linguistics and Education</i> , 2004, 15, 275-293. | 0.5 | 38 |
| 103 | INTRODUCTION: "Activity Theory and Education: An Introduction". <i>Mind, Culture, and Activity</i> , 2004, 11, 1-8. | 1.1 | 73 |
| 104 | Competent Workplace Mathematics: How Signs Become Transparent in Use. <i>International Journal of Computers for Mathematical Learning</i> , 2003, 8, 161-189. | 0.6 | 26 |
| 105 | Prevalence, function, and structure of photographs in high school biology textbooks. <i>Journal of Research in Science Teaching</i> , 2003, 40, 1089-1114. | 2.0 | 170 |
| 106 | Of Traversals and Hybrid Spaces: Science in the Community. <i>Mind, Culture, and Activity</i> , 2003, 10, 120-142. | 1.1 | 8 |
| 107 | Gesture-Speech Phenomena, Learning, and Development. <i>Educational Psychologist</i> , 2003, 38, 249-263. | 4.7 | 10 |
| 108 | When Are Graphs Worth Ten Thousand Words? An Expert-Expert Study. <i>Cognition and Instruction</i> , 2003, 21, 429-473. | 1.9 | 103 |

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|-----|--|-----|-----------|
| 109 | From epistemic (ergotic) actions to scientific discourse. <i>Pragmatics and Cognition</i> , 2003, 11, 141-170. | 0.2 | 28 |
| 110 | Toward an Anthropology of Graphing. , 2003, , . | | 66 |
| 111 | Scientific literacy as collective praxis. <i>Public Understanding of Science</i> , 2002, 11, 33-56. | 1.6 | 124 |
| 112 | Reading graphs: Contributions to an integrative concept of literacy. <i>Journal of Curriculum Studies</i> , 2002, 34, 1-24. | 1.2 | 35 |
| 113 | Lessons on and from the dihybrid cross: An activity-theoretical study of learning in coteaching. <i>Journal of Research in Science Teaching</i> , 2002, 39, 253-282. | 2.0 | 68 |
| 114 | Why Students May not Learn to Interpret Scientific Inscriptions. <i>Research in Science Education</i> , 2002, 32, 303-327. | 1.4 | 64 |
| 115 | Evaluation of Science Teaching Performance through Coteaching and Cogenerative Dialoguing. , 2002, , 187-217. | | 1 |
| 116 | â€œEnculturationâ€™: Acquisition of conceptual blind spots and epistemological prejudices. <i>British Educational Research Journal</i> , 2001, 27, 5-27. | 1.4 | 27 |
| 117 | Situating Cognition. <i>Journal of the Learning Sciences</i> , 2001, 10, 27-61. | 2.0 | 80 |
| 118 | Modeling design as situated and distributed process. <i>Learning and Instruction</i> , 2001, 11, 211-239. | 1.9 | 20 |
| 119 | Fostering conceptual change by analogiesâ€™ between Scylla and Charybdis. <i>Learning and Instruction</i> , 2001, 11, 283-303. | 1.9 | 101 |
| 120 | Gestures: Their Role in Teaching and Learning. <i>Review of Educational Research</i> , 2001, 71, 365-392. | 4.3 | 331 |
| 121 | From activity to gestures and scientific language. <i>Journal of Research in Science Teaching</i> , 2001, 38, 103-136. | 2.0 | 89 |
| 122 | Professionals Read Graphs: A Semiotic Analysis. <i>Journal for Research in Mathematics Education</i> , 2001, 32, 159. | 1.0 | 105 |
| 123 | Title is missing!. <i>Educational Assessment, Evaluation and Accountability</i> , 2001, 15, 7-29. | 0.2 | 78 |
| 124 | Spielraumand Teaching. <i>Curriculum Inquiry</i> , 2001, 31, 183-207. | 0.8 | 38 |
| 125 | How Ditch and Drain Become a Healthy Creek. <i>Social Studies of Science</i> , 2001, 31, 315-356. | 1.5 | 34 |
| 126 | Learning difficulties related to graphing: A hermeneutic phenomenological perspective. <i>Research in Science Education</i> , 2000, 30, 123-139. | 1.4 | 7 |

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|-----|---|-----|-----------|
| 127 | From gesture to scientific language. <i>Journal of Pragmatics</i> , 2000, 32, 1683-1714. | 0.8 | 87 |
| 128 | Of Cannibals, Missionaries, and Converts: Graphing Competencies from Grade 8 to Professional Science Inside (Classrooms) and Outside (Field/Laboratory). <i>Science Technology and Human Values</i> , 1999, 24, 179-212. | 1.7 | 26 |
| 129 | Digitizing Lizards. <i>Social Studies of Science</i> , 1999, 29, 719-764. | 1.5 | 63 |
| 130 | Interpretations of graphs by university biology students and practicing scientists: Toward a social practice view of scientific representation practices. <i>Journal of Research in Science Teaching</i> , 1999, 36, 1020-1043. | 2.0 | 92 |
| 131 | Differences in graph-related practices between high school biology textbooks and scientific ecology journals. <i>Journal of Research in Science Teaching</i> , 1999, 36, 977-1019. | 2.0 | 168 |
| 132 | Differential Participation During Science Conversations: The Interaction of Focal Artifacts, Social Configurations, and Physical Arrangements. <i>Journal of the Learning Sciences</i> , 1999, 8, 293-347. | 2.0 | 85 |
| 133 | Complexities of graphical representations during ecology lectures: an analysis rooted in semiotics and hermeneutic phenomenology. <i>Learning and Instruction</i> , 1999, 9, 235-255. | 1.9 | 59 |
| 134 | Becoming-in-the-classroom: a case study of teacher development through coteaching. <i>Teaching and Teacher Education</i> , 1999, 15, 771-784. | 1.6 | 77 |
| 135 | Preparing Students for Competent Scientific Practice: Implications of Recent Research in Science and Technology Studies. <i>Educational Researcher</i> , 1999, 28, 14-24. | 3.3 | 193 |
| 136 | Differential Participation During Science Conversations: The Interaction of Focal Artifacts, Social Configurations, and Physical Arrangements. <i>Journal of the Learning Sciences</i> , 1999, 8, 293-347. | 2.0 | 35 |
| 137 | How Prepared Are Preservice Teachers to Teach Scientific Inquiry? Levels of Performance in Scientific Representation Practices. <i>Journal of Science Teacher Education</i> , 1998, 9, 25-48. | 1.4 | 96 |
| 138 | Teacher-as-Researcher Reform: Student Achievement and Perceptions of Learning Environment. <i>Learning Environments Research</i> , 1998, 1, 75-93. | 1.8 | 13 |
| 139 | Decalages in Talk and Gesture: Visual and Verbal Semiotics of Ecology Lectures. <i>Linguistics and Education</i> , 1998, 10, 335-358. | 0.5 | 24 |
| 140 | Knowing, researching, and reporting science education: Lessons from science and technology studies. <i>Journal of Research in Science Teaching</i> , 1998, 35, 213-235. | 2.0 | 30 |
| 141 | >unDELETE science education://lives/work/voices. <i>Journal of Research in Science Teaching</i> , 1998, 35, 399-421. | 2.0 | 80 |
| 142 | Lecturing graphing: What features of lectures contribute to student difficulties in learning to interpret graph?. <i>Research in Science Education</i> , 1998, 28, 77-90. | 1.4 | 30 |
| 143 | Inscriptions: Toward a Theory of Representing as Social Practice. <i>Review of Educational Research</i> , 1998, 68, 35-59. | 4.3 | 276 |
| 144 | Teaching and Learning as Everyday Activity. , 1998, , 169-181. | | 24 |

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|-----|---|-----|-----------|
| 145 | Science in Schools and Everywhere Else: What Science Educators Should Know about Science and Technology Studies. <i>Studies in Science Education</i> , 1997, 29, 1-43. | 3.4 | 26 |
| 146 | Toward a New Perspective on Problem Solving. <i>Canadian Journal of Education</i> , 1997, 22, 18. | 0.3 | 14 |
| 147 | The local production of order in traditional science laboratories: A phenomenological analysis. <i>Learning and Instruction</i> , 1997, 7, 107-136. | 1.9 | 68 |
| 148 | The interaction of learning environments and student discourse about knowing, learning, and the nature of science: Two longitudinal case studies. <i>International Journal of Educational Research</i> , 1997, 27, 311-320. | 1.2 | 4 |
| 149 | Graphing: Cognitive ability or practice?. <i>Science Education</i> , 1997, 81, 91-106. | 1.8 | 94 |
| 150 | From 'truth' to 'invented reality': A discourse analysis of high school physics students' talk about scientific knowledge. <i>Journal of Research in Science Teaching</i> , 1997, 34, 145-179. | 2.0 | 123 |
| 151 | Interactional structures during a grade 4-5 open-design engineering unit. <i>Journal of Research in Science Teaching</i> , 1997, 34, 273-302. | 2.0 | 24 |
| 152 | Why may students fail to learn from demonstrations? A social practice perspective on learning in physics. <i>Journal of Research in Science Teaching</i> , 1997, 34, 509-533. | 2.0 | 102 |
| 153 | The nature of scientific knowledge and student learning: Two longitudinal case studies. <i>Research in Science Education</i> , 1996, 26, 103-127. | 1.4 | 37 |
| 154 | The co-evolution of situated language and physics knowing. <i>Journal of Science Education and Technology</i> , 1996, 5, 171-191. | 2.4 | 40 |
| 155 | Staging Aristotle and natural observation against Galileo and (stacked) scientific experiment or physics lectures as rhetorical events. <i>Journal of Research in Science Teaching</i> , 1996, 33, 135-157. | 2.0 | 28 |
| 156 | Teacher questioning in an open-inquiry learning environment: Interactions of context, content, and student responses. <i>Journal of Research in Science Teaching</i> , 1996, 33, 709-736. | 2.0 | 130 |
| 157 | Affordances and constraints of computers in science education. <i>Journal of Research in Science Teaching</i> , 1996, 33, 995-1017. | 2.0 | 54 |
| 158 | Learning to talk engineering design: Results from an interpretive study in a Grade 4/5 classroom. <i>International Journal of Technology and Design Education</i> , 1996, 6, 107-135. | 1.7 | 20 |
| 159 | Applications of Science and Technology Studies: Effecting Change in Science Education. <i>Science Technology and Human Values</i> , 1996, 21, 454-484. | 1.7 | 34 |
| 160 | Art and Artifact of Children's Designing: A Situated Cognition Perspective. <i>Journal of the Learning Sciences</i> , 1996, 5, 129-166. | 2.0 | 135 |
| 161 | Where IS the Context in Contextual Word Problem?: Mathematical Practices and Products in Grade 8 Students' Answers to Story Problems. <i>Cognition and Instruction</i> , 1996, 14, 487-527. | 1.9 | 121 |
| 162 | Affordances of computers in teacher-student interactions: The case of interactive physics. <i>Journal of Research in Science Teaching</i> , 1995, 32, 329-347. | 2.0 | 100 |

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|-----|---|-----|-----------|
| 163 | The transformation of individual and collective knowledge in elementary science classrooms that are organised as knowledge-building communities. <i>Research in Science Education</i> , 1995, 25, 163-189. | 1.4 | 36 |
| 164 | From "wiggly structures" to "unshaky towers": problem framing, solution finding, and negotiation of courses of actions during a civil engineering unit for elementary students. <i>Research in Science Education</i> , 1995, 25, 365-381. | 1.4 | 29 |
| 165 | Inventors, copycats, and everyone else: The emergence of shared resources and practices as defining aspects of classroom communities. <i>Science Education</i> , 1995, 79, 475-502. | 1.8 | 62 |
| 166 | Knowing and Interacting: A Study of Culture, Practices, and Resources in a Grade 8 Open-Inquiry Science Classroom Guided by a Cognitive Apprenticeship Metaphor. <i>Cognition and Instruction</i> , 1995, 13, 73-128. | 1.9 | 154 |
| 167 | Authentic School Science. , 1995, , . | | 280 |
| 168 | An Investigation of Problem Framing and Solving in a Grade 8 Open-Inquiry Science Program. <i>Journal of the Learning Sciences</i> , 1994, 3, 165-204. | 2.0 | 43 |
| 169 | Physics students' epistemologies and views about knowing and learning. <i>Journal of Research in Science Teaching</i> , 1994, 31, 5-30. | 2.0 | 188 |
| 170 | Experimenting in a constructivist high school physics laboratory. <i>Journal of Research in Science Teaching</i> , 1994, 31, 197-223. | 2.0 | 159 |
| 171 | Mathematization of experience in a grade 8 open-inquiry environment: An introduction to the representational practices of science. <i>Journal of Research in Science Teaching</i> , 1994, 31, 293-318. | 2.0 | 72 |
| 172 | Student views of collaborative concept mapping: An emancipatory research project. <i>Science Education</i> , 1994, 78, 1-34. | 1.8 | 60 |
| 173 | The development of science process skills in authentic contexts. <i>Journal of Research in Science Teaching</i> , 1993, 30, 127-152. | 2.0 | 223 |
| 174 | The concept map as a tool for the collaborative construction of knowledge: A microanalysis of high school physics students. <i>Journal of Research in Science Teaching</i> , 1993, 30, 503-534. | 2.0 | 162 |
| 175 | Metaphors and conversational analysis as tools in reflection on teaching practice: Two perspectives on teacher-student interactions in open-inquiry science. <i>Science Education</i> , 1993, 77, 351-373. | 1.8 | 23 |
| 176 | Comments to the "methodological limitations for the use of expert systems techniques in science education research". <i>Journal of Research in Science Teaching</i> , 1992, 29, 629-632. | 2.0 | 13 |
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