Jeremy Roschelle

List of Publications by Year
in descending order

89 papers	5,905 citations	218592 26 h-index	102432 66 g-index
94 all docs	94 docs citations	94 times ranked	3249 citing authors

#	Article	IF	Citations
1	Misconceptions Reconceived: A Constructivist Analysis of Knowledge in Transition. Journal of the Learning Sciences, 1994, 3, 115-163.	2.0	1,072
2	The Construction of Shared Knowledge in Collaborative Problem Solving. , 1995, , 69-97.		994
3	Learning by Collaborating: Convergent Conceptual Change. Journal of the Learning Sciences, 1992, 2, 235-276.	2.0	666
4	ONE-TO-ONE TECHNOLOGY-ENHANCED LEARNING: AN OPPORTUNITY FOR GLOBAL RESEARCH COLLABORATION. Research and Practice in Technology Enhanced Learning, 2006, 01, 3-29.	1.9	356
5	Keynote paper: Unlocking the learning value of wireless mobile devices. Journal of Computer Assisted Learning, 2003, 19, 260-272.	3.3	312
6	A walk on the WILD side. International Journal of Cognition and Technology, 2002, 1, 145-168.	0.5	215
7	Ink, Improvisation, and Interactive Engagement: Learning with Tablets. Computer, 2007, 40, 42-48.	1.2	210
8	DESIGNING FORMATIVE ASSESSMENT SOFTWARE WITH TEACHERS: AN ANALYSIS OF THE CO-DESIGN PROCESS. Research and Practice in Technology Enhanced Learning, 2007, 02, 51-74.	1.9	178
9	Integration of Technology, Curriculum, and Professional Development for Advancing Middle School Mathematics. American Educational Research Journal, 2010, 47, 833-878.	1.6	161
10	Handhelds go to school: lessons learned. Computer, 2003, 36, 30-37.	1.2	120
11	Classroom orchestration: Synthesis. Computers and Education, 2013, 69, 523-526.	5.1	93
12	Online Mathematics Homework Increases Student Achievement. AERA Open, 2016, 2, 233285841667396.	1.3	86
13	Developing educational software components. Computer, 1999, 32, 50-58.	1.2	85
14	Scaffolding group explanation and feedback with handheld technology: impact on studentsâ€™ mathematics learning. Educational Technology Research and Development, 2010, 58, 399-419.	2.0	81
15	A walk on the WILD side. , 2002, , .		76
16	From handheld collaborative tool to effective classroom module: Embedding CSCL in a broader design framework. Computers and Education, 2010, 55, 1018-1026.	5.1	56
17	Log on education: science in the palms of their hands. Communications of the ACM, 1999, 42, 21-26.	3.3	53
18	Guest Editorial: Special Section on Mobile and Ubiquitous Technologies for Learning. IEEE Transactions on Learning Technologies, 2010, 3, 4-6.	2.2	52

#	Article	IF	Citations
19	Learning as Social and Neural. Educational Psychologist, 1992, 27, 435-453.	4.7	51
20	Research news and Comment: Trajectories From Todayâ€™s WWW to a Powerful Educational Infrastructure. Educational Researcher, 1999, 28, 22-43.	3.3	42
21	Investigating Links from Teacher Knowledge, to Classroom Practice, to Student Learning in the Instructional System of the Middle-School Mathematics Classroom. Cognition and Instruction, 2010, 28, 317-359.	1.9	41
22	Using components for rapid distributed software development. IEEE Software, 2001, 18, 38-45.	2.1	38
23	Introduction to the special issue on wireless and mobile technologies in education. Journal of Computer Assisted Learning, 2005, 21, 159-161.	3.3	37
24	Correspondence Section Educational Software Architecture and Systemic Impact: The Promise of Component Software. Journal of Educational Computing Research, 1996, 14, 217-228.	3.6	34
25	Scaling Up Innovative Technology-Based Mathematics. Journal of the Learning Sciences, 2008, 17, 248-286.	2.0	34
26	From New Technological Infrastructures to Curricular Activity Systems: Advanced Designs for Teaching and Learning. , 2010, , 233-262.		34
27	Cornerstone Mathematics: designing digital technology for teacher adaptation and scaling. ZDM - International Journal on Mathematics Education, 2013, 45, 1057-1070.	1.3	33
28	Foundations and Opportunities for an Interdisciplinary Science of Learning. , 2005, , 19-34.		31
29	Trajectories from Today's WWW to a Powerful Educational Infrastructure. Educational Researcher, 1999, 28, 22.	3.3	30
30	Eight Issues for Learning Scientists About Education and the Economy. Journal of the Learning Sciences, 2011, 20, 3-49.	2.0	30
31	Handheld tools that â€˜Informateâ€™ assessment of student learning in Science: a requirements analysis. Journal of Computer Assisted Learning, 2005, 21, 190-203.	3.3	29
32	SimCalc MathWorlds for the mathematics of change. Communications of the ACM, 1996, 39, 97-99.	3.3	27
33	The role of scaling up research in designing for and evaluating robustness. Educational Studies in Mathematics, 2008, 68, 149-170.	1.8	26
34	Scaling a technology-based innovation: windows on the evolution of mathematics teachersâ€™ practices. ZDM - International Journal on Mathematics Education, 2015, 47, 79-92.	1.3	26
35	Toward a Learning Technologies knowledge network. Educational Technology Research and Development, 1999, 47, 19-38.	2.0	25
36	Special Issue on CSCL: Discussion. Educational Psychologist, 2013, 48, 67-70.	4.7	25

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37	Designing Networked Handheld Devices to Enhance School Learning. Advances in Computers, 2007, 70, 1-60.	1.2	24
38	Conceptual tools for planning for the wireless classroom. Journal of Computer Assisted Learning, 2003, 19, 284-297.	3.3	23
39	Inquire Biology: A Textbook that Answers Questions. AI Magazine, 2013, 34, 55-72.	1.4	22
40	Scaleable Integration of Educational Software: Exploring The Promise of Component Architectures. Journal of Interactive Media in Education, 1998, 1998, 6.	1.1	22
41	VideoNoter: A productivity tool for video data analysis. Behavior Research Methods, 1991, 23, 219-224.	1.3	20
42	Investigating Efficacy, Moderators and Mediators for an Online Mathematics Homework Intervention. Journal of Research on Educational Effectiveness, 2020, 13, 235-270.	0.9	20
43	The Role of Research on Contexts of Teaching Practice in Informing the Design of Handheld Learning Technologies. Journal of Educational Computing Research, 2004, 30, 353-370.	3.6	18
44	Designing for cognitive communication: epistemic fidelity or mediating collaborative inquiry?. , 2020, , 15-27.		18
45	Theorizing the Transformed Classroom. , 2006, , 187-208.		17
46	Chapter 5: Technologyâ€™s Contribution to Teaching and Policy: Efficiency, Standardization, or Transformation?. Review of Research in Education, 2003, 27, 159-181.	0.8	14
47	The Mathematics of Change and Variation from a Millennial Perspective: New Content, New Context. Advances in Mathematics Education, 2013, , 13-26.	0.2	14
48	What should collaborative technology be?. ACM SIGCUE Outlook, 1992, 21, 39-42.	0.1	14
49	Activity Theory: A Foundation for Designing Learning Technology?. Journal of the Learning Sciences, 1998, 7, 241-255.	2.0	13
50	Children's collaborative use of a computer microworld. , 1988, , .		12
51	Towards a design framework for mobile computer-supported collaborative learning. , 2005, , .		11
52	Beyond romantic versus sceptic: a microanalysis of conceptual change in kinematics. International Journal of Science Education, 1998, 20, 1025-1042.	1.0	10
53	Intelligent Learning Technologies Part 2: Applications of Artificial Intelligence to Contemporary and Emerging Educational Challenges. AI Magazine, 2013, 34, 10-12.	1.4	10
54	Mathematics Worth Knowing, Resources Worth Growing, Research Worth Noting: A Response to the National Mathematics Advisory Panel Report. Educational Researcher, 2008, 37, 610-617.	3.3	9

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55	The Role of Evidence Centered Design and Participatory Design in a Playful Assessment for Computational Thinking About Data. , 2020, , .		9
56	Transitioning to professional practice: A deweyan view of five analyses of problemâ€based learning. Discourse Processes, 1999, 27, 231-240.	1.1	7
57	An Efficacy Study of a Digital Core Curriculum for Grade 5 Mathematics. AERA Open, 2019, 5, 233285841985048.	1.3	7
58	Implementation of an Intelligent Tutoring System for Online Homework Support in an Efficacy Trial. Lecture Notes in Computer Science, 2014, , 561-566.	1.0	7
59	From handheld collaborative tool to effective classroom module. , 2009, , .		7
60	Predicting Students' Standardized Test Scores Using Online Homework. , 2016, , .		6
61	Graphing Calculators: Enhancing Math Learning for All Students. , 2008, , 951-959.		6
62	A review of the International Handbook of Computer-Supported Collaborative Learning 2021. International Journal of Computer-Supported Collaborative Learning, 2020, 15, 499-505.	1.9	6
63	SimCalc at Scale: Three Studies Examine the Integration of Technology, Curriculum, and Professional Development for Advancing Middle School Mathematics. Advances in Mathematics Education, 2013, , 125-143.	0.2	5
64	Detecting/preventing infections, and moving instruction online. Communications of the ACM, 2020, 63, 8-9.	3.3	5
65	Intelligent Learning Technologies: Applications of Artificial Intelligence to Contemporary and Emerging Educational Challenges. AI Magazine, 2013, 34, 10-12.	1.4	4
66	Dynabooks: Supporting Teachers to Engage All Learners in Key Literacies. , 2013, , 31-46.		4
67	Rapid-assembly componentware for education. , 0, , .		3
68	Handheld tools that "informate" assessment of student learning in science: a requirements analysis. , 0, , .		3
69	ESCOT: Coordinating the Influence of R&D and Classroom Practice to Produce Educational Software From Reusable Components. Interactive Learning Environments, 2004, 12, 73-107.	4.4	3
70	Investigating Why Teachers Reported Continued Use and Sharing of an Educational Innovation After the Research Has Ended. Mathematical Thinking and Learning, 2014, 16, 312-333.	0.7	3
71	SimCalc: Democratizing Access to Advanced Mathematics. International Journal of Designs for Learning, 2014, 5, .	0.1	3
72	In Memory of Jim Kaput. Mathematical Thinking and Learning, 2006, 8, 185-186.	0.7	2

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73	Commentary on Interest-Driven Creator theory: a US perspective on fostering interest, creativity, and habit in school. Research and Practice in Technology Enhanced Learning, 2019, 14, .	1.9	2
74	Intelligence Augmentation for Collaborative Learning. Lecture Notes in Computer Science, 2021, , 254-264.	1.0	2
75	Introducing the U.S. Cyberlearning Community. Lecture Notes in Computer Science, 2016, , 644-647.	1.0	2
76	Development of Student and Teacher Assessments in the Scaling Up SimCalc Project. Advances in Mathematics Education, 2013, , 167-181.	0.2	2
77	Designing for cognitive communication: epistemic fidelity or mediating collaborative inquiry?. , 2020, , 15-27.		2
78	Future Research Directions for Innovating Pedagogy. Lecture Notes in Computer Science, 2016, , 648-651.	1.0	2
79	Scaling Up Innovative Mathematics in the Middle Grades: Case Studies of â€œGood Enoughâ€•Enactments. Advances in Mathematics Education, 2013, , 251-269.	0.2	1
80	Supporting Member Collaboration in the Math Tools DL. D-Lib Magazine, 2004, 10, .	0.5	1
81	Designing for Consistent Implementation of a 5th Grade Digital Math Curriculum. International Journal of Designs for Learning, 2016, 7, .	0.1	1
82	SimCalc. , 2020, , 283-314.		1
83	The future of programming instruction (abstract). SIGCSE Bulletin, 1994, 26, 400.	0.1	0
84	The future of programming instruction (abstract). , 1994, , .		0
85	In Memory of Jim Kaput. Journal of the Learning Sciences, 2006, 15, 3-4.	2.0	0
86	Sketching a Multidisciplinary Microworld: A Collaborative Exploration in Boxer. , 1995, , 289-304.		0
87	Developing Inclusive K-12 Computing Pathways for the League of Innovative Schools. , 2019, , .		0
88	Examining Teacher Perspectives on Computational Thinking in K-12 Classrooms. , 2020, , .		0
89	How WWII was won, and why CS students feel unappreciated. Communications of the ACM, 2020, 63, 6-7.	3.3	0