Brent Davis

List of Publications by Year
in descending order

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52 papers	1,845 citations	361296 20 h-index	315616 38 g-index
53 all docs	53 docs citations	53 times ranked	828 citing authors

#	Article	IF	Citations
1	Cognition, Complexity, and Teacher Education. Harvard Educational Review, 1997, 67, 105-126.	0.8	241
2	Understanding Learning Systems: Mathematics Education and Complexity Science. Journal for Research in Mathematics Education, 2003, 34, 137.	1.0	185
3	Mathematics-for-Teaching: an Ongoing Investigation of the Mathematics that Teachers (Need to) Know. Educational Studies in Mathematics, 2006, 61, 293-319.	1.8	180
4	Interrupting Heteronormativity: Toward a Queer Curriculum Theory. Curriculum Inquiry, 1999, 29, 191-208.	0.8	133
5	Inventions of Teaching. , 0, , .		118
6	CONSTRUCTIVIST DISCOURSES AND THE FIELD OF EDUCATION: PROBLEMS AND POSSIBILITIES. Educational Theory, 2002, 52, 409-428.	0.2	83
7	Why Aren't They Getting This? Working through the regressive myths of constructivist pedagogy. Teaching Education, 2003, 14, 123-140.	0.9	69
8	Challenging images of knowing: complexity science and educational research. International Journal of Qualitative Studies in Education, 2005, 18, 305-321.	0.8	60
9	â€˜If things were simpleâ€ƒ.â€ƒ.â€ƒ.â€™: complexity in education. Journal of Evaluation in Clinical Practice, 2010, 16, 856-860.	0.9	59
10	Engaging Minds. , 0, , .		56
11	Curriculum forms: On the assumed shapes of knowing and knowledge. Journal of Curriculum Studies, 2000, 32, 821-845.	1.2	46
12	Spatial Reasoning in the Early Years. , 0, , .		46
13	Complexity and Education: Vital simultaneities. Educational Philosophy and Theory, 2008, 40, 50-65.	1.3	45
14	Enactivist theory and community learning: toward a complexified understanding of action research. Educational Action Research, 1997, 5, 403-422.	0.8	42
15	Understanding gaps in research networks: using â€œspatial reasoningâ€•as a window into the importance of networked educational research. Educational Studies in Mathematics, 2017, 95, 143-161.	1.8	42
16	Complexity Science and Education: Reconceptualizing the Teacherâ€™s Role in Learning. Interchange, 2007, 38, 53-67.	1.0	40
17	Complexity science and educational action research: toward a pragmatics of transformation. Educational Action Research, 2005, 13, 453-466.	0.8	38
18	Enactivism, Spatial Reasoning and Coding. Digital Experiences in Mathematics Education, 2016, 2, 1-20.	1.0	34

#	Article	IF	Citations
19	Connecting mathematics learning through spatial reasoning. Mathematics Education Research Journal, 2018, 30, 77-87.	0.9	33
20	Profound understanding of emergent mathematics: broadening the construct of teachersâ€™ disciplinary knowledge. Educational Studies in Mathematics, 2013, 82, 245-265.	1.8	32
21	Learning communities: Understanding the workplace as a complex system. New Directions for Adult and Continuing Education, 2001, 2001, 85.	0.5	28
22	Feeling number: grounding number sense in a sense of quantity. Educational Studies in Mathematics, 2010, 74, 39-51.	1.8	24
23	Understanding school districts as learning systems: Some lessons from three cases of complex transformation. Journal of Educational Change, 2012, 13, 373-399.	2.5	23
24	Accumulation of experience in a vast number of cases: enactivism as a fit framework for the study of spatial reasoning in mathematics education. ZDM - International Journal on Mathematics Education, 2015, 47, 269-279.	1.3	22
25	Evaluating the impact of a Spatial Reasoning Mathematics Program (SRMP) intervention in the primary school. Mathematics Education Research Journal, 2020, 32, 285-305.	0.9	19
26	Coding Robots as a Source of Instantiations for Arithmetic. Digital Experiences in Mathematics Education, 2018, 4, 71-86.	1.0	18
27	Interpreting Embodied Mathematics Using Network Theory: Implications for Mathematics Education. Complicity: an International Journal of Complexity in Education, 2010, 7, .	0.4	17
28	Is 1 a Prime Number? Developing Teacher Knowledge through Concept Study. Mathematics Teaching in the Middle School, 2008, 14, 86-91.	0.2	16
29	Normalizing literary responses in the teacher education classroom. Changing English, 2006, 13, 55-67.	0.2	15
30	Mathematics Teachers' Subtle, Complex Disciplinary Knowledge. Science, 2011, 332, 1506-1507.	6.0	14
31	Fractal Cards: A Space for Exploration in Geometry and Discrete Mathematics. The Mathematics Teacher, 1998, 91, 102-108.	0.1	10
32	Basic Irony: Examining the Foundations of School Mathematics With Preservice Teachers. Journal of Mathematics Teacher Education, 1999, 2, 25-48.	1.0	9
33	On the many metaphors of learning â€¦ and their associated educational frames. Journal of Curriculum Studies, 2018, 50, 182-203.	1.2	9
34	Multidisciplinary Perspectives on a Video Case of Children Designing and Coding for Robotics. Canadian Journal of Science, Mathematics and Technology Education, 2017, 17, 165-178.	0.6	6
35	Towards a framework for spatial reasoning and primary mathematics learning: an analytical synthesis of intervention studies. Mathematics Education Research Journal, 2020, , 1.	0.9	6
36	Obstacles to the Dissemination of Mathematics Education Research. , 2003, , 593-634.		6

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37	Complexity and Education: Vital Simultaneities. , 0, , 46-61.		5
38	Trois attitudes dans la recherche en Ã©ducationÂ: autour de Â«Âlâ€™expliciteÂÂ», de Â«Âlâ€™impliciteÂÂ» et de la Â«ÂcomplicitÃ©ÂÂ». Revue Des Sciences De L'Ã©ducation, 2005, 31, 397-416.	0.2	4
39	Rhythms of knowing: toward an ecological theory of learning in action research. Educational Action Research, 2002, 10, 353-372.	0.8	2
40	Becoming More Curious About Learning. Journal of Curriculum and Pedagogy, 2004, 1, 26-30.	1.0	2
41	Exponentiation: A New Basic?. Mathematics Teaching in the Middle School, 2015, 21, 34-41.	0.2	2
42	Complexity in Mathematics Education. , 2014, , 87-91.		2
43	A REPLY Listening to How You're Heard: On translations, mistranslations, and really bad mistranslations. Teaching Education, 2003, 14, 149-152.	0.9	1
44	Virtually real: learning ethicality in an online fan community. Pedagogies, 2011, 6, 16-29.	0.4	1
45	Ideas as Species. , 0, , 237-250.		1
46	Discourses on Learning in Education:Making Sense of a Landscape of Difference. Frontiers in Education, 2021, 6, .	1.2	1
47	Complexity in Mathematics Education. , 2018, , 1-5.		0
48	The central position of education in knowledge mobilization: insights from network analyses of spatial reasoning research across disciplines. Scientometrics, 2020, 125, 2323-2347.	1.6	0
49	Number Work: Recovering the Original Complexity of Learning Arithmetic. Mathematics in Mind, 2019, , 99-118.	0.1	0
50	Methodological Pluralism and Graduate Student Research in Education. Advances in Educational Technologies and Instructional Design Book Series, 2019, , 1-18.	0.2	0
51	Complexity in Mathematics Education. , 2020, , 113-117.		0
52	Procedural Steps, Conceptual Steps, and Critical Discernments: A Necessary Evolution of School Mathematics in the Information Age. Mathematics in Mind, 2020, , 185-218.	0.1	0