

Bharath Sriraman

List of Publications by Year in descending order

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153
papers

2,293
citations

361413

20
h-index

302126

39
g-index

213
all docs

213
docs citations

213
times ranked

906
citing authors

#	ARTICLE	IF	CITATIONS
1	A global survey of international perspectives on modelling in mathematics education. ZDM - International Journal on Mathematics Education, 2006, 38, 302-310.	2.2	340
2	Are Giftedness and Creativity Synonyms in Mathematics?. Journal of Secondary Gifted Education, 2005, 17, 20-36.	0.2	209
3	The characteristics of mathematical creativity. ZDM - International Journal on Mathematics Education, 2009, 41, 13-27.	2.2	128
4	An empirical taxonomy of problem posing processes. Zentralblatt F�r Didaktik Der Mathematik, 2005, 37, 149-158.	0.4	103
5	Creativity and mathematical problem posing: an analysis of high school students' mathematical problem posing in China and the USA. Educational Studies in Mathematics, 2013, 82, 201-221.	2.8	87
6	Problem Solving for the 21st Century. , 2010, , 263-290.		78
7	Mathematical Giftedness, Problem Solving, and the Ability to Formulate Generalizations: The Problem-Solving Experiences of Four Gifted Students. Journal of Secondary Gifted Education, 2003, 14, 151-165.	0.2	71
8	Theories of Mathematics Education. , 2010, , .		65
9	Towards a didactical theory for mathematical modelling. ZDM - International Journal on Mathematics Education, 2006, 38, 82-85.	2.2	55
10	A Modeling Perspective on the Teaching and Learning of Mathematical Problem Solving. Mathematical Thinking and Learning, 2008, 10, 293-304.	1.2	54
11	Mathematics education as a design science. Zentralblatt F�r Didaktik Der Mathematik, 2005, 37, 490-505.	0.4	48
12	An Exploratory Study of Relationships between Students' Creativity and Mathematical Problem-Posing Abilities. , 2011, , 5-28.		48
13	Reflective abstraction, unframes and the formulation of generalizations. Journal of Mathematical Behavior, 2004, 23, 205-222.	0.9	38
14	Probabilistic Thinking. Advances in Mathematics Education, 2014, , .	0.2	32
15	The Mathematics of Estimation: Possibilities for Interdisciplinary Pedagogy and Social Consciousness. Interchange, 2009, 40, 205-223.	1.8	30
16	Mathematical creativity and giftedness: a commentary on and review of theory, new operational views, and ways forward. ZDM - International Journal on Mathematics Education, 2013, 45, 215-225.	2.2	30
17	Gifted Ninth Graders' Notions of Proof: Investigating Parallels in Approaches of Mathematically Gifted Students and Professional Mathematicians. Journal for the Education of the Gifted, 2004, 27, 267-292.	1.0	29
18	Modeling conceptions revisited. ZDM - International Journal on Mathematics Education, 2006, 38, 247-254.	2.2	29

#	ARTICLE	IF	CITATIONS
19	Surveying Theories and Philosophies of Mathematics Education. , 2010, , 7-32.		28
20	Enhancing equity in the classroom by teaching for mathematical creativity. ZDM - International Journal on Mathematics Education, 2017, 49, 1033-1039.	2.2	26
21	Theories of Mathematics Education: A global survey of theoretical frameworks/trends in mathematics education research. Zentralblatt F¼r Didaktik Der Mathematik, 2005, 37, 450-456.	0.4	25
22	Icelandic 5th-grade girlsâ€™ developmental trajectories in proportional reasoning. Mathematics Education Research Journal, 2009, 21, 6-30.	1.7	23
23	Creativity and Giftedness. Advances in Mathematics Education, 2017, , .	0.2	23
24	Exploring gender factors related to PISA 2003 results in Iceland: a youth interview study. ZDM - International Journal on Mathematics Education, 2008, 40, 591-600.	2.2	22
25	Models and Modeling. , 2011, , .		22
26	Mathematical pathologies as pathways into creativity. ZDM - International Journal on Mathematics Education, 2017, 49, 137-145.	2.2	21
27	Connecting Research to Teaching: Combinatorial Mathematics: Research into Practice. The Mathematics Teacher, 2004, 98, 182-191.	0.1	20
28	An Eastern Learning Paradox: Paradoxes in Two Korean Mathematics Teachersâ€™ Pedagogy of Silence in the Classroom. Interchange, 2013, 43, 147-166.	1.8	19
29	Re-conceptualizing Mathematics Education as Design Science. , 2010, , 123-146.		19
30	The Elements of Creativity and Giftedness in Mathematics. , 2011, , .		17
31	Understanding a Teacherâ€™s Actions in the Classroom by Applying Schoenfeldâ€™s Theory Teaching-In-Context: Reflecting on Goals and Beliefs. , 2010, , 401-420.		17
32	The articulation of symbol and mediation in mathematics education. Zentralblatt F¼r Didaktik Der Mathematik, 2005, 37, 476-486.	0.4	16
33	Structural stability and dynamic geometry: Some ideas on situated proofs. Zentralblatt F¼r Didaktik Der Mathematik, 2005, 37, 130-139.	0.4	16
34	Consciousness and Science: an Advaita-Vedantic Perspective on the Theology-Science Dialogue. Theology and Science, 2005, 3, 39-54.	0.3	15
35	On Bringing Interdisciplinary Ideas to Gifted Education. , 2009, , 1235-1256.		15
36	Does interdisciplinary instruction raise studentsâ€™ interest in mathematics and the subjects of the natural sciences?. ZDM - International Journal on Mathematics Education, 2009, 41, 231-244.	2.2	14

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37	Mathematical Creativity and Mathematics Education. , 2011, , 119-130.		14
38	Gifted Girls and Nonmathematical Aspirations. Gifted Child Quarterly, 2012, 56, 3-14.	2.0	14
39	Conjecturing via reconceived classical analogy. Educational Studies in Mathematics, 2011, 76, 123-140.	2.8	13
40	Creative Contradictions in Education. Creativity Theory and Action in Education, 2017, , .	1.1	13
41	A Conversation With Zoltan P. Dienes. Mathematical Thinking and Learning, 2007, 9, 59-75.	1.2	12
42	An Ode to Imre Lakatos: Quasi-Thought Experiments to Bridge the Ideal and Actual Mathematics Classrooms. Interchange, 2006, 37, 151-178.	1.8	11
43	Does High Achieving in Mathematics = Gifted and/or Creative in Mathematics?. , 2011, , 45-65.		11
44	Mathematical paradoxes as pathways into beliefs and polymathy: an experimental inquiry. ZDM - International Journal on Mathematics Education, 2009, 41, 29-38.	2.2	10
45	Revisiting the didactic triangle: from the particular to the general. ZDM - International Journal on Mathematics Education, 2012, 44, 581-585.	2.2	10
46	Mathematical creativity: psychology, progress and caveats. ZDM - International Journal on Mathematics Education, 2017, 49, 971-975.	2.2	10
47	Convergence in Creativity Development for Mathematical Capacity. Advances in Mathematics Education, 2017, , 117-133.	0.2	10
48	Symbols and Mediation in Mathematics Education. , 2010, , 213-232.		10
49	Empirical research on creativity in mathematics (education): from the wastelands of psychology to the current state of the art. ZDM - International Journal on Mathematics Education, 2022, 54, 1-17.	2.2	9
50	Indigenous Innovation. , 2015, , .		8
51	Discovering Steiner Triple Systems through Problem Solving. The Mathematics Teacher, 2004, 97, 320-326.	0.1	8
52	Emancipatory and Social Justice Perspectives in Mathematics Education. Interchange, 2007, 38, 195-202.	1.8	7
53	A quantitative study of the effects of informal mathematics activities on the beliefs of preservice elementary school teachers. ZDM - International Journal on Mathematics Education, 2011, 43, 601-615.	2.2	7
54	A contemporary analysis of the six "Theories of Mathematics Education" theses of Hans-Georg Steiner. ZDM - International Journal on Mathematics Education, 2007, 39, 155-163.	2.2	6

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55	A Framework for Quality Assurance in Globalization of Higher Education: A View Toward the Future. Interchange, 2013, 43, 75-93.	1.8	6
56	Dimensions of Mathematical Thinking and Learning in ACCEL. Roeper Review, 2017, 39, 206-209.	0.8	6
57	Commentary on Interdisciplinary Perspectives to Creativity and Giftedness. Advances in Mathematics Education, 2017, , 259-264.	0.2	6
58	Creativity in problem solving: integrating two different views of insight. ZDM - International Journal on Mathematics Education, 2022, 54, 83-96.	2.2	6
59	Tracing Students' Modeling Processes in School. , 2010, , 119-129.		6
60	Creativity in Mathematics Education. , 2014, , 109-115.		6
61	A Critique of Creativity and Complexity. , 2014, , .		6
62	The pedagogical value and the interdisciplinary nature of inductive processes in forming generalizations: Reflections from the classroom. Interchange, 2004, 35, 407-422.	1.8	5
63	The influence of Platonism on mathematics research and theological beliefs. Theology and Science, 2004, 2, 131-147.	0.3	5
64	A brief survey of the state of mathematical modeling around the world. ZDM - International Journal on Mathematics Education, 2006, 38, 212-213.	2.2	5
65	Interdisciplinarity in mathematics education: psychology, philosophy, aesthetics, modelling and curriculum. ZDM - International Journal on Mathematics Education, 2009, 41, 1-3.	2.2	5
66	Perspectives on Şimi Mathematics Education. Interchange, 2011, 42, 185-203.	1.8	5
67	Challenging Mathematics: Classroom Practices. New ICMI Study Series, 2009, , 243-283.	1.0	5
68	Teacher's Views on Modeling as a Creative Mathematical Activity. Advances in Mathematics Education, 2017, , 47-55.	0.2	5
69	Argumentation in Mathematics Education. , 2014, , 46-48.		5
70	Heuristics in Mathematics Education. , 2014, , 253-255.		5
71	Theories of Learning Mathematics. , 2014, , 615-623.		5
72	Theory usage and theoretical trends in Europe: A survey and preliminary analysis of CERME4 research reports. ZDM - International Journal on Mathematics Education, 2006, 38, 22-51.	2.2	4

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73	Argumentation in Mathematics. , 2014, , 44-46.		4
74	Politicizing Mathematics Education: Has Politics Gone too Far? Or Not Far Enough?. , 2010, , 621-638.		4
75	The Use of Fiction as a Didactic Tool to Examine Existential Problems. Journal of Secondary Gifted Education, 2004, 15, 96-106.	0.2	3
76	A brief historical comparison of tendencies in mathematics didactics/education in Germany and the United States. ZDM - International Journal on Mathematics Education, 2006, 38, 14-21.	2.2	3
77	A Critique and Response to Multicultural Visions of Globalization. Interchange, 2008, 39, 119-130.	1.8	3
78	Mediated action in teachersâ€™ discussions about mathematics tasks. ZDM - International Journal on Mathematics Education, 2012, 44, 677-689.	2.2	3
79	The Concept of Teacherâ€™Student/Studentâ€™Teacher in Higher Education Trends. Interchange, 2015, 46, 215-223.	1.8	3
80	Creativity in Mathematics Education. , 2018, , 1-10.		3
81	Uncertainty as a catalyst and condition for creativity: the case of mathematics. ZDM - International Journal on Mathematics Education, 2022, 54, 19-33.	2.2	3
82	Probabilistic and Statistical Thinking. , 2020, , 675-681.		3
83	Creativity in Mathematics Education. , 2020, , 145-154.		3
84	Commentary on Probabilistic Thinking: Presenting Plural Perspectives. Advances in Mathematics Education, 2014, , 721-727.	0.2	3
85	The Roeper School. , 2013, , .		3
86	Commentary on DNR-Based Instruction in Mathematics as a Conceptual Framework. , 2010, , 369-378.		3
87	Theories of Learning Mathematics. , 2020, , 861-869.		3
88	Heuristics in Mathematics Education. , 2020, , 331-333.		3
89	Handbook of the History and Philosophy of Mathematical Practice. , 2020, , .		3
90	Embodied Cognition. , 2020, , 266-268.		3

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91	Let Lakatos Be! A Commentary on "Would the Real Lakatos Please Stand Up" Interchange, 2008, 39, 483-492.	1.8	2
92	On the Identit(ies) of Mathematics Education. Interchange, 2009, 40, 119-135.	1.8	2
93	A brief history of mathematics education in Turkey: K-12 mathematics curricula. ZDM - International Journal on Mathematics Education, 2010, 42, 429-441.	2.2	2
94	Mathematics education in Turkey: at the crossroads of cultural, political and economic currents. ZDM - International Journal on Mathematics Education, 2010, 42, 421-427.	2.2	2
95	Consciousness and Science: A Non-Dual Perspective on the Theology-Science Dialogue. Interchange, 2013, 43, 113-128.	1.8	2
96	Commentary 2 on Feminist Pedagogy and Mathematics. , 2010, , 455-466.		2
97	Prospective Secondary Mathematics Teachers' Mathematical Creativity in Problem Solving. , 2011, , 173-191.		2
98	Embodied Cognition. , 2014, , 207-209.		2
99	Mathematics Education as a Matter of Cognition. , 2016, , 1-5.		2
100	Argumentation in Mathematics Education. , 2020, , 63-66.		2
101	On the teaching and learning of Dienes' principles. Zentralblatt für Didaktik Der Mathematik, 2005, 37, 258-262.	0.4	1
102	Balancing mathematics education research and the NCTM standards. Zentralblatt für Didaktik Der Mathematik, 2005, 37, 431-436.	0.4	1
103	Theories of mathematics education: European perspectives, commentaries and viable research directions. ZDM - International Journal on Mathematics Education, 2006, 38, 1-2.	2.2	1
104	A historic overview of the interplay of theology and philosophy in the arts, mathematics and sciences. ZDM - International Journal on Mathematics Education, 2009, 41, 75-86.	2.2	1
105	Advances in mathematics education: new book series connected to ZDM "The International Journal on Mathematics Education. ZDM - International Journal on Mathematics Education, 2010, 42, 143-144.	2.2	1
106	Theories of Mathematics Education: Seeking New Frontiers by Bharath Sriraman and Lyn English. Mathematical Intelligencer, 2011, 33, 73-74.	0.2	1
107	Boole, Dewey, Schoenfeld-Monikers Bridging 150 Years of Thought: A Review of How We Think: A Theory of Goal-Oriented Decision Making and Its Educational Applications. Journal for Research in Mathematics Education, 2012, 43, 351-354.	1.8	1
108	Theories in Mathematics Education: Some Developments and Ways Forward. , 2012, , 303-325.		1

#	ARTICLE	IF	CITATIONS
109	Argumentation in Mathematics. , 2020, , 61-63.		1
110	Quasi-empirical Reasoning (Lakatos). , 2020, , 703-705.		1
111	Commentary on Part All. Advances in Mathematics Education, 2011, , 367-373.	0.2	1
112	Tracing Students' Modeling Processes in School. International Perspectives on the Teaching and Learning of Mathematical Modelling, 2013, , 119-129.	0.5	1
113	Preface to Part II Ernest's Reflections on Theories of Learning. , 2010, , 35-38.		1
114	Quasi-empirical Reasoning (Lakatos). , 2014, , 511-513.		1
115	Handbook of the Mathematics of the Arts and Sciences. , 2020, , .		1
116	Mathematical Games in Learning and Teaching. , 2020, , 538-540.		1
117	Current topics within international mathematics education research. Zentralblatt für Didaktik Der Mathematik, 2005, 37, 129-129.	0.4	0
118	Teaching mathematics between standards and individual learning "Selected papers from the 2005 German annual meeting of mathematics education. Zentralblatt für Didaktik Der Mathematik, 2005, 37, 335-335.	0.4	0
119	Selected papers from the 2006 German Annual Meeting of Mathematics Education. ZDM - International Journal on Mathematics Education, 2006, 38, 435-435.	2.2	0
120	Syntheses of Circumpolar Indigenous Issues, Knowledge, Relations to Education, Science and Mathematics. Interchange, 2011, 42, 215-219.	1.8	0
121	Benesch, W: The Ecumenical Cruise and Other Three-Legged Chicken Philosophical Tales. Interchange, 2012, 43, 63-65.	1.8	0
122	Introduction: Issues and Perspectives on the Dialectics of Knowledge. Interchange, 2013, 43, 71-73.	1.8	0
123	Prolific Interdisciplinary Investigator: An Interview With Bharath Sriraman. Roeper Review, 2014, 36, 75-80.	0.8	0
124	Breaking the Constraints of Modernist Psychologizing: Mathematics Education Flirts with the Postmodern. Interchange, 2017, 48, 351-362.	1.8	0
125	Organic Creativity and the Faustian Bargain: Reconciling Opposites. Interchange, 2017, 48, 117-128.	1.8	0
126	Reconciling the Realist/Anti Realist Dichotomy in the Philosophy of Mathematics. The Frontiers Collection, 2018, , 377-388.	0.2	0

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127	Books of Essays: Bharath Sriraman, ed. Humanizing Mathematics and its Philosophy: Essays Celebrating the 90th Birthday of Reuben Hersh.. Philosophia Mathematica, 2018, 26, 149-150.	0.2	0
128	Critical Mathematics Education: Theory, praxis, and reality, edited by Paul Ernest, Bharath Sriraman and Nuala Ernest. London Review of Education, 0, 16, .	1.8	0
129	Argumentation in Mathematics. , 2018, , 1-3.		0
130	Mathematics in the Maritime. , 2021, , 1593-1612.		0
131	What are the Elements of Giftedness and Creativity in Mathematics?. , 2011, , 1-4.		0
132	Mathematical Games in Learning and Teaching. , 2014, , 383-385.		0
133	A Brief Overview and Critique of Perspective II on Probabilistic and Statistical Reasoning. Advances in Mathematics Education, 2014, , 311-340.	0.2	0
134	An Interview with Reuben Hersh. , 2017, , 1-10.		0
135	Nine Decades. , 2017, , 11-18.		0
136	Mathematics Education as a Matter of Cognition. , 2017, , 1383-1388.		0
137	Quasi-empirical Reasoning (Lakatos). , 2018, , 1-3.		0
138	Embodied Cognition. , 2018, , 1-3.		0
139	Part V: Commentary “ On Measures of Measurement and Mismeasurement: A Commentary on Planning and Assessment. Advances in Mathematics Education, 2018, , 515-521.	0.2	0
140	Heuristics in Mathematics Education. , 2018, , 1-3.		0
141	Mathematical Cognition: In Secondary Years [13“18] Part 1. , 2018, , 1-16.		0
142	Theories of Learning Mathematics. , 2019, , 1-8.		0
143	Mathematical Games in Learning and Teaching. , 2019, , 1-3.		0
144	Mathematics in the Maritime. , 2020, , 1-20.		0

#	ARTICLE	IF	CITATIONS
145	Mathematical Cognition: In Secondary Years [13â€™18] Part 1. , 2020, , 505-520.		0
146	Euclidean Embodiments in the Twenty-First Century: An Allegorical Ode to Aldous Huxley (1894â€™1963). Interchange, 2021, , 1-20.	1.8	0
147	Heuristics and Biases. , 2020, , 327-330.		0
148	Nyaya Methodology and Western Mathematical Logic: Origins and Implications. , 2020, , 1-23.		0
149	Mathematical Cognition: In Secondary Years [13â€™18] Part 2. , 2020, , 520-529.		0
150	Mathematical Cognition: In the Elementary Years [6â€™12]. , 2020, , 530-538.		0
151	Mathematics, Art, and Aesthetics: Anâ€™Introduction. , 2020, , 1-3.		0
152	Prospective teachers constructing dynamic geometry activities for gifted pupils: Connections between the frameworks of Krutetskii and van Hiele. Gifted Education International, 0, , 026142942110465.	1.8	0
153	BHARATH SRIRAMAN and SIMON GOODCHILD, eds. Relatively and Philosophically Earnest: Festschrift in Honor of Paul Ernest's 65th Birthday. Philosophia Mathematica, 2012, 20, 128-129.	0.2	0