

Richard Evan Schwartz

List of Publications by Year in descending order

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35
papers

555
citations

687363

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642732

23
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37
all docs

37
docs citations

37
times ranked

177
citing authors

#	ARTICLE	IF	CITATIONS
1	The Pentagon Map: A Discrete Integrable System. <i>Communications in Mathematical Physics</i> , 2010, 299, 409-446.	2.2	76
2	The quasi-isometry classification of rank one lattices. <i>Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques</i> , 1995, 82, 133-168.	4.3	70
3	The Five-Electron Case of Thomson's Problem. <i>Experimental Mathematics</i> , 2013, 22, 157-186.	0.7	47
4	Discrete monodromy, pentagrams, and the method of condensation. <i>Journal of Fixed Point Theory and Applications</i> , 2008, 3, 379-409.	1.1	43
5	The Poncelet grid. <i>Advances in Geometry</i> , 2007, 7, 157-175.	0.4	37
6	Liouville-Arnold integrability of the pentagram map on closed polygons. <i>Duke Mathematical Journal</i> , 2013, 162, .	1.5	32
7	Obtuse Triangular Billiards II: One Hundred Degrees Worth of Periodic Trajectories. <i>Experimental Mathematics</i> , 2009, 18, 137-171.	0.7	30
8	Real hyperbolic on the outside, complex hyperbolic on the inside. <i>Inventiones Mathematicae</i> , 2003, 151, 221-295.	2.5	25
9	Linear difference equations, frieze patterns, and the combinatorial Gale transform. <i>Forum of Mathematics, Sigma</i> , 2014, 2, .	0.7	22
10	The Pentagon Map is Recurrent. <i>Experimental Mathematics</i> , 2001, 10, 519-528.	0.7	21
11	Elementary Surprises in Projective Geometry. <i>Mathematical Intelligencer</i> , 2010, 32, 31-34.	0.2	17
12	Billiards in ellipses revisited. <i>European Journal of Mathematics</i> , 2022, 8, 1313-1327.	0.5	17
13	Symmetric patterns of geodesics and automorphisms of surface groups. <i>Inventiones Mathematicae</i> , 1997, 128, 177-199.	2.5	16
14	Centers of Mass of Poncelet Polygons, 200 Years After. <i>Mathematical Intelligencer</i> , 2016, 38, 29-34.	0.2	16
15	Obtuse Triangular Billiards I: Near the (2, 3, 6) Triangle. <i>Experimental Mathematics</i> , 2006, 15, 161-182.	0.7	15
16	A projectively natural flow for circle diffeomorphisms. <i>Inventiones Mathematicae</i> , 1992, 110, 627-647.	2.5	8
17	The pentagram integrals for Poncelet families. <i>Journal of Geometry and Physics</i> , 2015, 87, 432-449.	1.4	7
18	Desargues Theorem, Dynamics, and Hyperplane Arrangements. <i>Geometriae Dedicata</i> , 2001, 87, 261-283.	0.3	6

#	ARTICLE	IF	CITATIONS
19	A trichotomy for rectangles inscribed in Jordan loops. <i>Geometriae Dedicata</i> , 2020, 208, 177-196.	0.3	6
20	Pentagram Spirals. <i>Experimental Mathematics</i> , 2013, 22, 384-405.	0.7	5
21	Five Point Energy Minimization: A Synopsis. <i>Constructive Approximation</i> , 2020, 51, 537-564.	3.0	5
22	Quasiperiodic motion for the pentagram map. <i>Electronic Research Announcements in Mathematical Sciences</i> , 2009, 16, 1-8.	0.6	5
23	The Density of Shapes in Three-Dimensional Barycentric Subdivision. <i>Discrete and Computational Geometry</i> , 2003, 30, 373-377.	0.6	4
24	Four Lines and a Rectangle. <i>Experimental Mathematics</i> , 2022, 31, 661-668.	0.7	4
25	A Conformal Averaging Process on the Circle. <i>Geometriae Dedicata</i> , 2006, 117, 19-46.	0.3	3
26	A Hyperbolic View of the Seven Circles Theorem. <i>Mathematical Intelligencer</i> , 2020, 42, 61-65.	0.2	3
27	Descartes Circle Theorem, Steiner Porism, and Spherical Designs. <i>American Mathematical Monthly</i> , 2020, 127, 238-248.	0.3	2
28	Pushing a Rectangle down a Path. <i>Mathematical Intelligencer</i> , 2019, 41, 7-10.	0.2	1
29	Inscribed rectangle coincidences. <i>Advances in Geometry</i> , 2021, .	0.4	1
30	Lengthening a tetrahedron. <i>Geometriae Dedicata</i> , 2015, 174, 121-144.	0.3	0
31	Square turning maps and their compactifications. <i>Geometriae Dedicata</i> , 2018, 192, 295-325.	0.3	0
32	The Illustrating Mathematics Program at ICERM. <i>Mathematical Intelligencer</i> , 2020, 42, 17-22.	0.2	0
33	The Farthest Point Map on the Regular Octahedron. <i>Experimental Mathematics</i> , 0, , 1-12.	0.7	0
34	An improved bound on the optimal paper Moebius band. <i>Geometriae Dedicata</i> , 2021, 215, 255.	0.3	0
35	Conway's Nightmare: Brahmagupta and Butterflies. <i>Mathematical Intelligencer</i> , 0, , .	0.2	0