

Sidney Redner

List of Publications by Year in descending order

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73
papers

8,513
citations

94381

37
h-index

79644

73
g-index

76
all docs

76
docs citations

76
times ranked

4446
citing authors

#	ARTICLE	IF	CITATIONS
1	Fixation and fluctuations in two-species cooperation. <i>Journal of Physics Complexity</i> , 2022, 3, 015011.	0.9	3
2	Complete visitation statistics of one-dimensional random walks. <i>Physical Review E</i> , 2022, 105, .	0.8	4
3	First-passage-driven boundary recession. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 354002.	0.7	1
4	Optimization and growth in first-passage resetting. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 013203.	0.9	16
5	Divergence and consensus in majority rule. <i>Physical Review E</i> , 2021, 103, L060301.	0.8	10
6	Immortal branching processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 571, 125853.	1.2	1
7	Optimization in First-Passage Resetting. <i>Physical Review Letters</i> , 2020, 125, 050602.	2.9	63
8	Polarization and consensus by opposing external sources. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 013402.	0.9	13
9	Reality-inspired voter models: A mini-review. <i>Comptes Rendus Physique</i> , 2019, 20, 275-292.	0.3	102
10	Topology-controlled Potts coarsening. <i>Physical Review E</i> , 2019, 99, 062142.	0.8	13
11	Nonuniversal opinion dynamics driven by opposing external influences. <i>Physical Review E</i> , 2019, 100, 050301.	0.8	11
12	Redundancy, extreme statistics and geometrical optics of Brownian motion. <i>Physics of Life Reviews</i> , 2019, 28, 80-82.	1.5	14
13	Densification and structural transitions in networks that grow by node copying. <i>Physical Review E</i> , 2016, 94, 062302.	0.8	20
14	Stochastic search with Poisson and deterministic resetting. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 083401.	0.9	97
15	Structural Transitions in Densifying Networks. <i>Physical Review Letters</i> , 2016, 117, 218301.	2.9	38
16	Mortality, Redundancy, and Diversity in Stochastic Search. <i>Physical Review Letters</i> , 2015, 114, 198101.	2.9	69
17	Depletion-Controlled Starvation of a Diffusing Forager. <i>Physical Review Letters</i> , 2014, 113, 238101.	2.9	36
18	Emergence of clustering in an acquaintance model without homophily. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P11035.	0.9	8

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19	Randomness in Competitions. Journal of Statistical Physics, 2013, 151, 458-474.	0.5	15
20	Highly dispersed networks by enhanced redirection. Physical Review E, 2013, 88, 050802.	0.8	6
21	Zero-temperature coarsening in the 2d Potts model. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P06018.	0.9	14
22	Dynamics of confident voting. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P04003.	0.9	22
23	Olejarz et al. Reply. Physical Review Letters, 2012, 109, .	2.9	3
24	Fate of 2D Kinetic Ferromagnets and Critical Percolation Crossing Probabilities. Physical Review Letters, 2012, 109, 195702.	2.9	45
25	Can partisan voting lead to truth?. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, L02002.	0.9	23
26	Zero-temperature freezing in the three-dimensional kinetic Ising model. Physical Review E, 2011, 83, 030104.	0.8	33
27	Zero-temperature relaxation of three-dimensional Ising ferromagnets. Physical Review E, 2011, 83, 051104.	0.8	35
28	Heterogeneous voter models. Physical Review E, 2010, 82, 010103.	0.8	95
29	Understanding baseball team standings and streaks. European Physical Journal B, 2009, 67, 473-481.	0.6	38
30	Freezing into stripe states in two-dimensional ferromagnets and crossing probabilities in critical percolation. Physical Review E, 2009, 80, 040101.	0.8	68
31	Dynamics of non-conservative voters. Europhysics Letters, 2008, 82, 18007.	0.7	80
32	Introduction: Fifth Annual Gallery of Nonlinear Images (New Orleans, Louisiana, 2008). Chaos, 2008, 18, .	1.0	0
33	Voter models on heterogeneous networks. Physical Review E, 2008, 77, 041121.	0.8	237
34	Non-monotonicity and divergent time scale in Axelrod model dynamics. Europhysics Letters, 2007, 78, 18002.	0.7	44
35	Dynamics of vacillating voters. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, L10001-L10001.	0.9	34
36	On the role of zealotry in the voter model. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P08029-P08029.	0.9	189

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37	Social balance on networks: The dynamics of friendship and enmity. <i>Physica D: Nonlinear Phenomena</i> , 2006, 224, 130-136.	1.3	196
38	Escape of a Uniform Random Walk from an Interval. <i>Journal of Statistical Physics</i> , 2006, 123, 1129-1144.	0.5	9
39	Evolutionary Dynamics on Degree-Heterogeneous Graphs. <i>Physical Review Letters</i> , 2006, 96, 188104.	2.9	187
40	Role of global warming on the statistics of record-breaking temperatures. <i>Physical Review E</i> , 2006, 74, 061114.	0.8	96
41	Consensus formation in multi-state majority and plurality models. <i>Journal of Physics A</i> , 2005, 38, 7239-7252.	1.6	35
42	Majority rule dynamics in finite dimensions. <i>Physical Review E</i> , 2005, 71, 036101.	0.8	87
43	Network growth by copying. <i>Physical Review E</i> , 2005, 71, 036118.	0.8	135
44	Dynamics of social balance on networks. <i>Physical Review E</i> , 2005, 72, 036121.	0.8	221
45	Voter Model on Heterogeneous Graphs. <i>Physical Review Letters</i> , 2005, 94, 178701.	2.9	483
46	Ultimate fate of constrained voters. <i>Journal of Physics A</i> , 2004, 37, 8479-8494.	1.6	65
47	Random walk with shrinking steps. <i>American Journal of Physics</i> , 2004, 72, 591-598.	0.3	25
48	A billiard-theoretic approach to elementary one-dimensional elastic collisions. <i>American Journal of Physics</i> , 2004, 72, 1492-1498.	0.3	14
49	Bifurcations and patterns in compromise processes. <i>Physica D: Nonlinear Phenomena</i> , 2003, 183, 190-204.	1.3	180
50	Constrained opinion dynamics: freezing and slow evolution. <i>Journal of Physics A</i> , 2003, 36, L61-L68.	1.6	116
51	Dynamics of Majority Rule in Two-State Interacting Spin Systems. <i>Physical Review Letters</i> , 2003, 90, 238701.	2.9	365
52	Majority versus minority dynamics: Phase transition in an interacting two-state spin system. <i>Physical Review E</i> , 2003, 68, 046106.	0.8	98
53	Infinite-order percolation and giant fluctuations in a protein interaction network. <i>Physical Review E</i> , 2002, 66, 055101.	0.8	140
54	Organization of growing random networks. <i>Physical Review E</i> , 2001, 63, 066123.	0.8	651

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55	Fate of zero-temperature Ising ferromagnets. <i>Physical Review E</i> , 2001, 63, 036118.	0.8	118
56	Freezing in Ising ferromagnets. <i>Physical Review E</i> , 2001, 65, 016119.	0.8	112
57	Clogging Time of a Filter. <i>Physical Review Letters</i> , 2000, 84, 6018-6021.	2.9	40
58	Shocklike Dynamics of Inelastic Gases. <i>Physical Review Letters</i> , 1999, 83, 4069-4072.	2.9	109
59	Capture of the lamb: Diffusing predators seeking a diffusing prey. <i>American Journal of Physics</i> , 1999, 67, 1277-1283.	0.3	91
60	Wealth distributions in asset exchange models. <i>European Physical Journal B</i> , 1998, 2, 267-276.	0.6	244
61	Logarithmic islanding in submonolayer epitaxial growth. <i>European Physical Journal B</i> , 1998, 4, 401-404.	0.6	28
62	Gradient and Percolative Clogging in Depth Filtration. <i>International Journal of Modern Physics C</i> , 1998, 09, 1535-1543.	0.8	12
63	Life and death in an expanding cage and at the edge of a receding cliff. <i>American Journal of Physics</i> , 1996, 64, 546-552.	0.3	56
64	Diffusive escape in a nonlinear shear flow: Life and death at the edge of a windy cliff. <i>Journal of Statistical Physics</i> , 1996, 82, 999-1014.	0.5	14
65	Universal and Nonuniversal First-Passage Properties of Planar Multipole Flows. <i>Physical Review Letters</i> , 1995, 74, 82-85.	2.9	12
66	Spatial organization in two-species annihilation. <i>Journal of Statistical Physics</i> , 1991, 65, 1043-1056.	0.5	22
67	Random multiplicative processes: An elementary tutorial. <i>American Journal of Physics</i> , 1990, 58, 267-273.	0.3	135
68	Comment on "Noise-induced bistability in a Monte Carlo surface-reaction model". <i>Physical Review Letters</i> , 1989, 63, 2857-2857.	2.9	53
69	Coagulation with a steady point monomer source. <i>Physical Review Letters</i> , 1989, 62, 2321-2324.	2.9	49
70	Random walk in a random multiplicative environment. <i>Journal of Statistical Physics</i> , 1989, 56, 437-459.	0.5	9
71	Series enumeration study of the rod-to-coil transition of linear polymer chains. <i>European Physical Journal B</i> , 1987, 67, 129-138.	0.6	14
72	Hydrodynamic Dispersion in Network Models of Porous Media. <i>Physical Review Letters</i> , 1986, 57, 996-999.	2.9	100

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73	Novel behavior of biased correlated walks in one dimension. Journal of Chemical Physics, 1984, 80, 2752-2755.	1.2	9