

Sidney Redner

List of Publications by Year in descending order

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73
papers

8,513
citations

94433

37
h-index

79698

73
g-index

76
all docs

76
docs citations

76
times ranked

4446
citing authors

#	ARTICLE	IF	CITATIONS
1	Organization of growing random networks. <i>Physical Review E</i> , 2001, 63, 066123.	2.1	651
2	Voter Model on Heterogeneous Graphs. <i>Physical Review Letters</i> , 2005, 94, 178701.	7.8	483
3	Dynamics of Majority Rule in Two-State Interacting Spin Systems. <i>Physical Review Letters</i> , 2003, 90, 238701.	7.8	365
4	Wealth distributions in asset exchange models. <i>European Physical Journal B</i> , 1998, 2, 267-276.	1.5	244
5	Voter models on heterogeneous networks. <i>Physical Review E</i> , 2008, 77, 041121.	2.1	237
6	Dynamics of social balance on networks. <i>Physical Review E</i> , 2005, 72, 036121.	2.1	221
7	Social balance on networks: The dynamics of friendship and enmity. <i>Physica D: Nonlinear Phenomena</i> , 2006, 224, 130-136.	2.8	196
8	On the role of zealotry in the voter model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, P08029-P08029.	2.3	189
9	Evolutionary Dynamics on Degree-Heterogeneous Graphs. <i>Physical Review Letters</i> , 2006, 96, 188104.	7.8	187
10	Bifurcations and patterns in compromise processes. <i>Physica D: Nonlinear Phenomena</i> , 2003, 183, 190-204.	2.8	180
11	Infinite-order percolation and giant fluctuations in a protein interaction network. <i>Physical Review E</i> , 2002, 66, 055101.	2.1	140
12	Random multiplicative processes: An elementary tutorial. <i>American Journal of Physics</i> , 1990, 58, 267-273.	0.7	135
13	Network growth by copying. <i>Physical Review E</i> , 2005, 71, 036118.	2.1	135
14	Fate of zero-temperature Ising ferromagnets. <i>Physical Review E</i> , 2001, 63, 036118.	2.1	118
15	Constrained opinion dynamics: freezing and slow evolution. <i>Journal of Physics A</i> , 2003, 36, L61-L68.	1.6	116
16	Freezing in Ising ferromagnets. <i>Physical Review E</i> , 2001, 65, 016119.	2.1	112
17	Shocklike Dynamics of Inelastic Gases. <i>Physical Review Letters</i> , 1999, 83, 4069-4072.	7.8	109
18	Reality-inspired voter models: A mini-review. <i>Comptes Rendus Physique</i> , 2019, 20, 275-292.	0.9	102

#	ARTICLE	IF	CITATIONS
19	Hydrodynamic Dispersion in Network Models of Porous Media. <i>Physical Review Letters</i> , 1986, 57, 996-999.	7.8	100
20	Majority versus minority dynamics: Phase transition in an interacting two-state spin system. <i>Physical Review E</i> , 2003, 68, 046106.	2.1	98
21	Stochastic search with Poisson and deterministic resetting. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 083401.	2.3	97
22	Role of global warming on the statistics of record-breaking temperatures. <i>Physical Review E</i> , 2006, 74, 061114.	2.1	96
23	Heterogeneous voter models. <i>Physical Review E</i> , 2010, 82, 010103.	2.1	95
24	Capture of the lamb: Diffusing predators seeking a diffusing prey. <i>American Journal of Physics</i> , 1999, 67, 1277-1283.	0.7	91
25	Majority rule dynamics in finite dimensions. <i>Physical Review E</i> , 2005, 71, 036101.	2.1	87
26	Dynamics of non-conservative voters. <i>Europhysics Letters</i> , 2008, 82, 18007.	2.0	80
27	Mortality, Redundancy, and Diversity in Stochastic Search. <i>Physical Review Letters</i> , 2015, 114, 198101.	7.8	69
28	Freezing into stripe states in two-dimensional ferromagnets and crossing probabilities in critical percolation. <i>Physical Review E</i> , 2009, 80, 040101.	2.1	68
29	Ultimate fate of constrained voters. <i>Journal of Physics A</i> , 2004, 37, 8479-8494.	1.6	65
30	Optimization in First-Passage Resetting. <i>Physical Review Letters</i> , 2020, 125, 050602.	7.8	63
31	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.	0.7	56
32	Comment on "Noise-induced bistability in a Monte Carlo surface-reaction model". <i>Physical Review Letters</i> , 1989, 63, 2857-2857.	7.8	53
33	Coagulation with a steady point monomer source. <i>Physical Review Letters</i> , 1989, 62, 2321-2324.	7.8	49
34	Fate of 2D Kinetic Ferromagnets and Critical Percolation Crossing Probabilities. <i>Physical Review Letters</i> , 2012, 109, 195702.	7.8	45
35	Non-monotonicity and divergent time scale in Axelrod model dynamics. <i>Europhysics Letters</i> , 2007, 78, 18002.	2.0	44
36	Clogging Time of a Filter. <i>Physical Review Letters</i> , 2000, 84, 6018-6021.	7.8	40

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37	Understanding baseball team standings and streaks. <i>European Physical Journal B</i> , 2009, 67, 473-481.	1.5	38
38	Structural Transitions in Densifying Networks. <i>Physical Review Letters</i> , 2016, 117, 218301.	7.8	38
39	Depletion-Controlled Starvation of a Diffusing Forager. <i>Physical Review Letters</i> , 2014, 113, 238101.	7.8	36
40	Consensus formation in multi-state majority and plurality models. <i>Journal of Physics A</i> , 2005, 38, 7239-7252.	1.6	35
41	Zero-temperature relaxation of three-dimensional Ising ferromagnets. <i>Physical Review E</i> , 2011, 83, 051104.	2.1	35
42	Dynamics of vacillating voters. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, L10001-L10001.	2.3	34
43	Zero-temperature freezing in the three-dimensional kinetic Ising model. <i>Physical Review E</i> , 2011, 83, 030104.	2.1	33
44	Logarithmic islanding in submonolayer epitaxial growth. <i>European Physical Journal B</i> , 1998, 4, 401-404.	1.5	28
45	Random walk with shrinking steps. <i>American Journal of Physics</i> , 2004, 72, 591-598.	0.7	25
46	Can partisan voting lead to truth?. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, L02002.	2.3	23
47	Spatial organization in two-species annihilation. <i>Journal of Statistical Physics</i> , 1991, 65, 1043-1056.	1.2	22
48	Dynamics of confident voting. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P04003.	2.3	22
49	Densification and structural transitions in networks that grow by node copying. <i>Physical Review E</i> , 2016, 94, 062302.	2.1	20
50	Optimization and growth in first-passage resetting. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 013203.	2.3	16
51	Randomness in Competitions. <i>Journal of Statistical Physics</i> , 2013, 151, 458-474.	1.2	15
52	Series enumeration study of the rod-to-coil transition of linear polymer chains. <i>European Physical Journal B</i> , 1987, 67, 129-138.	1.5	14
53	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.	1.2	14
54	A billiard-theoretic approach to elementary one-dimensional elastic collisions. <i>American Journal of Physics</i> , 2004, 72, 1492-1498.	0.7	14

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55	Zero-temperature coarsening in the 2d Potts model. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P06018.	2.3	14
56	Redundancy, extreme statistics and geometrical optics of Brownian motion. Physics of Life Reviews, 2019, 28, 80-82.	2.8	14
57	Topology-controlled Potts coarsening. Physical Review E, 2019, 99, 062142.	2.1	13
58	Polarization and consensus by opposing external sources. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 013402.	2.3	13
59	Universal and Nonuniversal First-Passage Properties of Planar Multipole Flows. Physical Review Letters, 1995, 74, 82-85.	7.8	12
60	Gradient and Percolative Clogging in Depth Filtration. International Journal of Modern Physics C, 1998, 09, 1535-1543.	1.7	12
61	Nonuniversal opinion dynamics driven by opposing external influences. Physical Review E, 2019, 100, 050301.	2.1	11
62	Divergence and consensus in majority rule. Physical Review E, 2021, 103, L060301.	2.1	10
63	Novel behavior of biased correlated walks in one dimension. Journal of Chemical Physics, 1984, 80, 2752-2755.	3.0	9
64	Random walk in a random multiplicative environment. Journal of Statistical Physics, 1989, 56, 437-459.	1.2	9
65	Escape of a Uniform Random Walk from an Interval. Journal of Statistical Physics, 2006, 123, 1129-1144.	1.2	9
66	Emergence of clustering in an acquaintance model without homophily. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P11035.	2.3	8
67	Highly dispersed networks by enhanced redirection. Physical Review E, 2013, 88, 050802.	2.1	6
68	Complete visitation statistics of one-dimensional random walks. Physical Review E, 2022, 105, .	2.1	4
69	OlejarzetAal.Reply:. Physical Review Letters, 2012, 109, .	7.8	3
70	Fixation and fluctuations in two-species cooperation. Journal of Physics Complexity, 2022, 3, 015011.	2.2	3
71	Immortal branching processes. Physica A: Statistical Mechanics and Its Applications, 2021, 571, 125853.	2.6	1
72	First-passage-driven boundary recession. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 354002.	2.1	1

#	ARTICLE	IF	CITATIONS
73	Introduction: Fifth Annual Gallery of Nonlinear Images (New Orleans, Louisiana, 2008). Chaos, 2008, 18, .	2.5	0