

# 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  | Fixation and fluctuations in two-species cooperation. <i>Journal of Physics Complexity</i> , 2022, 3, 015011.  | 2.2 | 3         |
| 2  | Complete visitation statistics of one-dimensional random walks. <i>Physical Review E</i> , 2022, 105, .  | 2.1 | 4         |
| 3  | First-passage-driven boundary recession. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 354002.                                   | 2.1 | 1         |
| 4  | Optimization and growth in first-passage resetting. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 013203.                 | 2.3 | 16        |
| 5  | Divergence and consensus in majority rule. <i>Physical Review E</i> , 2021, 103, L060301.  | 2.1 | 10        |
| 6  | Immortal branching processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 571, 125853.  | 2.6 | 1         |
| 7  | Optimization in First-Passage Resetting. <i>Physical Review Letters</i> , 2020, 125, 050602.   | 7.8 | 63        |
| 8  | Polarization and consensus by opposing external sources. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 013402.            | 2.3 | 13        |
| 9  | Reality-inspired voter models: A mini-review. <i>Comptes Rendus Physique</i> , 2019, 20, 275-292.  | 0.9 | 102       |
| 10 | Topology-controlled Potts coarsening. <i>Physical Review E</i> , 2019, 99, 062142.   | 2.1 | 13        |
| 11 | Nonuniversal opinion dynamics driven by opposing external influences. <i>Physical Review E</i> , 2019, 100, 050301.                                      | 2.1 | 11        |
| 12 | Redundancy, extreme statistics and geometrical optics of Brownian motion. <i>Physics of Life Reviews</i> , 2019, 28, 80-82.                              | 2.8 | 14        |
| 13 | Densification and structural transitions in networks that grow by node copying. <i>Physical Review E</i> , 2016, 94, 062302.                             | 2.1 | 20        |
| 14 | Stochastic search with Poisson and deterministic resetting. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 083401.         | 2.3 | 97        |
| 15 | Structural Transitions in Densifying Networks. <i>Physical Review Letters</i> , 2016, 117, 218301.   | 7.8 | 38        |
| 16 | Mortality, Redundancy, and Diversity in Stochastic Search. <i>Physical Review Letters</i> , 2015, 114, 198101.   | 7.8 | 69        |
| 17 | Depletion-Controlled Starvation of a Diffusing Forager. <i>Physical Review Letters</i> , 2014, 113, 238101.  | 7.8 | 36        |
| 18 | Emergence of clustering in an acquaintance model without homophily. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P11035. | 2.3 | 8         |

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|----|--|-----|-----------|
| 19 | Randomness in Competitions. Journal of Statistical Physics, 2013, 151, 458-474.  | 1.2 | 15        |
| 20 | Highly dispersed networks by enhanced redirection. Physical Review E, 2013, 88, 050802.  | 2.1 | 6         |
| 21 | Zero-temperature coarsening in the 2d Potts model. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P06018.                      | 2.3 | 14        |
| 22 | Dynamics of confident voting. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P04003.   | 2.3 | 22        |
| 23 | Olejarz et al. Reply. Physical Review Letters, 2012, 109, .  | 7.8 | 3         |
| 24 | Fate of 2D Kinetic Ferromagnets and Critical Percolation Crossing Probabilities. Physical Review Letters, 2012, 109, 195702.                         | 7.8 | 45        |
| 25 | Can partisan voting lead to truth?. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, L02002.                                     | 2.3 | 23        |
| 26 | Zero-temperature freezing in the three-dimensional kinetic Ising model. Physical Review E, 2011, 83, 030104.   | 2.1 | 33        |
| 27 | Zero-temperature relaxation of three-dimensional Ising ferromagnets. Physical Review E, 2011, 83, 051104.  | 2.1 | 35        |
| 28 | Heterogeneous voter models. Physical Review E, 2010, 82, 010103.   | 2.1 | 95        |
| 29 | Understanding baseball team standings and streaks. European Physical Journal B, 2009, 67, 473-481.   | 1.5 | 38        |
| 30 | Freezing into stripe states in two-dimensional ferromagnets and crossing probabilities in critical percolation. Physical Review E, 2009, 80, 040101. | 2.1 | 68        |
| 31 | Dynamics of non-conservative voters. Europhysics Letters, 2008, 82, 18007.   | 2.0 | 80        |
| 32 | Introduction: Fifth Annual Gallery of Nonlinear Images (New Orleans, Louisiana, 2008). Chaos, 2008, 18, .  | 2.5 | 0         |
| 33 | Voter models on heterogeneous networks. Physical Review E, 2008, 77, 041121.   | 2.1 | 237       |
| 34 | Non-monotonicity and divergent time scale in Axelrod model dynamics. Europhysics Letters, 2007, 78, 18002.   | 2.0 | 44        |
| 35 | Dynamics of vacillating voters. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, L10001-L10001.                                  | 2.3 | 34        |
| 36 | On the role of zealotry in the voter model. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P08029-P08029.                      | 2.3 | 189       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Social balance on networks: The dynamics of friendship and enmity. <i>Physica D: Nonlinear Phenomena</i> , 2006, 224, 130-136.            | 2.8 | 196       |
| 38 | Escape of a Uniform Random Walk from an Interval. <i>Journal of Statistical Physics</i> , 2006, 123, 1129-1144.                           | 1.2 | 9         |
| 39 | Evolutionary Dynamics on Degree-Heterogeneous Graphs. <i>Physical Review Letters</i> , 2006, 96, 188104.                                  | 7.8 | 187       |
| 40 | Role of global warming on the statistics of record-breaking temperatures. <i>Physical Review E</i> , 2006, 74, 061114.                    | 2.1 | 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.   | 2.1 | 87        |
| 43 | Network growth by copying. <i>Physical Review E</i> , 2005, 71, 036118.   | 2.1 | 135       |
| 44 | Dynamics of social balance on networks. <i>Physical Review E</i> , 2005, 72, 036121.  | 2.1 | 221       |
| 45 | Voter Model on Heterogeneous Graphs. <i>Physical Review Letters</i> , 2005, 94, 178701.   | 7.8 | 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.   | 0.7 | 25        |
| 48 | A billiard-theoretic approach to elementary one-dimensional elastic collisions. <i>American Journal of Physics</i> , 2004, 72, 1492-1498. | 0.7 | 14        |
| 49 | Bifurcations and patterns in compromise processes. <i>Physica D: Nonlinear Phenomena</i> , 2003, 183, 190-204.                            | 2.8 | 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.                       | 7.8 | 365       |
| 52 | Majority versus minority dynamics: Phase transition in an interacting two-state spin system. <i>Physical Review E</i> , 2003, 68, 046106. | 2.1 | 98        |
| 53 | Infinite-order percolation and giant fluctuations in a protein interaction network. <i>Physical Review E</i> , 2002, 66, 055101.          | 2.1 | 140       |
| 54 | Organization of growing random networks. <i>Physical Review E</i> , 2001, 63, 066123.   | 2.1 | 651       |

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|----|--|-----|-----------|
| 55 | Fate of zero-temperature Ising ferromagnets. <i>Physical Review E</i> , 2001, 63, 036118.  | 2.1 | 118       |
| 56 | Freezing in Ising ferromagnets. <i>Physical Review E</i> , 2001, 65, 016119.   | 2.1 | 112       |
| 57 | Clogging Time of a Filter. <i>Physical Review Letters</i> , 2000, 84, 6018-6021.   | 7.8 | 40        |
| 58 | Shocklike Dynamics of Inelastic Gases. <i>Physical Review Letters</i> , 1999, 83, 4069-4072.   | 7.8 | 109       |
| 59 | Capture of the lamb: Diffusing predators seeking a diffusing prey. <i>American Journal of Physics</i> , 1999, 67, 1277-1283.                         | 0.7 | 91        |
| 60 | Wealth distributions in asset exchange models. <i>European Physical Journal B</i> , 1998, 2, 267-276.  | 1.5 | 244       |
| 61 | Logarithmic islanding in submonolayer epitaxial growth. <i>European Physical Journal B</i> , 1998, 4, 401-404.                                       | 1.5 | 28        |
| 62 | Gradient and Percolative Clogging in Depth Filtration. <i>International Journal of Modern Physics C</i> , 1998, 09, 1535-1543.                       | 1.7 | 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.                     | 0.7 | 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. | 1.2 | 14        |
| 65 | Universal and Nonuniversal First-Passage Properties of Planar Multipole Flows. <i>Physical Review Letters</i> , 1995, 74, 82-85.                     | 7.8 | 12        |
| 66 | Spatial organization in two-species annihilation. <i>Journal of Statistical Physics</i> , 1991, 65, 1043-1056.                                       | 1.2 | 22        |
| 67 | Random multiplicative processes: An elementary tutorial. <i>American Journal of Physics</i> , 1990, 58, 267-273.                                     | 0.7 | 135       |
| 68 | Comment on "Noise-induced bistability in a Monte Carlo surface-reaction model". <i>Physical Review Letters</i> , 1989, 63, 2857-2857.                | 7.8 | 53        |
| 69 | Coagulation with a steady point monomer source. <i>Physical Review Letters</i> , 1989, 62, 2321-2324.  | 7.8 | 49        |
| 70 | Random walk in a random multiplicative environment. <i>Journal of Statistical Physics</i> , 1989, 56, 437-459.                                       | 1.2 | 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.             | 1.5 | 14        |
| 72 | Hydrodynamic Dispersion in Network Models of Porous Media. <i>Physical Review Letters</i> , 1986, 57, 996-999.                                       | 7.8 | 100       |

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|----|---|-----|-----------|
| 73 | Novel behavior of biased correlated walks in one dimension. Journal of Chemical Physics, 1984, 80, 2752-2755. | 3.0 | 9         |