

Seung Ki Baek

List of Publications by Year in descending order

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78
papers

813
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535685

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all docs

79
docs citations

79
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Social norms in indirect reciprocity with ternary reputations. <i>Scientific Reports</i> , 2022, 12, 455.	1.6	8
2	Democracy and polarization in the National Assembly of the Republic of Korea. <i>Journal of the Korean Physical Society</i> , 2022, 80, 509-515.	0.3	0
3	A second-order stability analysis for the continuous model of indirect reciprocity. <i>Journal of Theoretical Biology</i> , 2022, 548, 111202.	0.8	4
4	Assortative clustering in a one-dimensional population with replication strategies. <i>Physical Review E</i> , 2021, 103, 032114.	0.8	2
5	Win-Stay-Lose-Shift as a self-confirming equilibrium in the iterated Prisoner's Dilemma. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211021.	1.2	5
6	Local stability of cooperation in a continuous model of indirect reciprocity. <i>Scientific Reports</i> , 2021, 11, 14225.	1.6	5
7	Friendly-rivalry solution to the iterated n-person public-goods game. <i>PLoS Computational Biology</i> , 2021, 17, e1008217.	1.5	5
8	Automata representation of successful strategies for social dilemmas. <i>Scientific Reports</i> , 2020, 10, 13370.	1.6	6
9	Five rules for friendly rivalry in direct reciprocity. <i>Scientific Reports</i> , 2020, 10, 16904.	1.6	22
10	Co-sponsorship analysis of party politics in the 20th National Assembly of Republic of Korea. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 560, 125178.	1.2	3
11	Discontinuous phase transition in chemotactic aggregation with density-dependent pressure. <i>Physical Review E</i> , 2019, 100, 022605.	0.8	1
12	Phosphate-Functionalized Stabilized F127 Nanoparticles: Introduction of Discrete Surface Charges and Electrophoretic Determination of Aggregation Number. <i>Macromolecular Research</i> , 2019, 27, 657-662.	1.0	3
13	Agent-Based Simulation of the Two-Dimensional Patlak-Keller-Segel Model. <i>Journal of the Korean Physical Society</i> , 2019, 75, 424-429.	0.3	0
14	Long-range prisoner's dilemma game on a cycle. <i>Physical Review E</i> , 2019, 99, 012410.	0.8	5
15	Sex-ratio bias induced by mutation. <i>Physical Review E</i> , 2019, 99, 022403.	0.8	2
16	Seven rules to avoid the tragedy of the commons. <i>Journal of Theoretical Biology</i> , 2018, 449, 94-102.	0.8	24
17	Which part of a chain breaks?. <i>American Journal of Physics</i> , 2018, 86, 663-669.	0.3	1
18	Free energy of a chemotactic model with nonlinear diffusion. <i>Scientific Reports</i> , 2017, 7, 8909.	1.6	3

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19	Duality between cooperation and defection in the presence of tit-for-tat in replicator dynamics. <i>Journal of Theoretical Biology</i> , 2017, 430, 215-220.	0.8	5
20	Chaos and unpredictability in evolution of cooperation in continuous time. <i>Physical Review E</i> , 2017, 96, 062310.	0.8	9
21	Meshfree local radial basis function collocation method with image nodes. <i>Journal of the Korean Physical Society</i> , 2017, 71, 1-7.	0.3	4
22	Combination with anti-tit-for-tat remedies problems of tit-for-tat. <i>Journal of Theoretical Biology</i> , 2017, 412, 1-7.	0.8	26
23	Particle in a box with a time-dependent \hat{V} -function Physical Review A, 2016, 94, .	0.8	8
24	Comparing reactive and memory-one strategies of direct reciprocity. <i>Scientific Reports</i> , 2016, 6, 25676.	1.6	42
25	Evolution of popularity in given names. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 443, 415-422.	1.2	4
26	Interrupted coarsening in the zero-temperature kinetic Ising chain driven by a periodic external field. <i>Physical Review E</i> , 2015, 91, 062107.	0.8	2
27	Symmetry restoration by pricing in a duopoly of perishable goods. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P11001.	0.9	2
28	Anomalous response in the vicinity of spontaneous symmetry breaking. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	1
29	Theory of fads: Traveling-wave solution of evolutionary dynamics in a one-dimensional trait space. <i>Physical Review E</i> , 2015, 91, 012815.	0.8	2
30	Nash equilibrium and evolutionary dynamics in semifinalists' dilemma. <i>Physical Review E</i> , 2015, 91, 042144.	0.8	3
31	Quantum isothermal reversible process of particles in a box with a delta potential. <i>Journal of the Korean Physical Society</i> , 2015, 66, 739-743.	0.3	2
32	Game Theory on the Problem of Distributive Justice. <i>Physics and High Technology</i> , 2015, 24, 22.	0.1	0
33	Zero-one-only process: A correlated random walk with a stochastic ratchet. <i>International Journal of Modern Physics B</i> , 2014, 28, 1450201.	1.0	0
34	Stochastic resonance in the two-dimensional q -state clock models. <i>Physical Review E</i> , 2014, 89, 032137.	0.8	4
35	50 Years of Inordinate Fondness. <i>Systematic Biology</i> , 2014, 63, 251-256.	2.7	9
36	Nonequilibrium steady state of the kinetic Glauber-Ising model under an alternating magnetic field. <i>Physical Review E</i> , 2014, 89, 022136.	0.8	4

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37	Residual discrete symmetry of the five-state clock model. <i>Physical Review E</i> , 2013, 88, 012125.	0.8	17
38	Surname statistics – Crossing the boundary between disciplines. <i>Physics of Life Reviews</i> , 2013, 10, 420-421.	1.5	0
39	Internal energy density of the critical three-state Potts model on the kagome lattice. <i>Journal of the Korean Physical Society</i> , 2013, 63, 1167-1170.	0.3	0
40	Phase transition in a coevolving network of conformist and contrarian voters. <i>Physical Review E</i> , 2013, 87, 012806.	0.8	22
41	Universal statistics of the knockout tournament. <i>Scientific Reports</i> , 2013, 3, 3198.	1.6	1
42	Faster Is More Different: Mean-Field Dynamics of Innovation Diffusion. <i>PLoS ONE</i> , 2013, 8, e68583.	1.1	4
43	Upper transition point for percolation on the enhanced binary tree: A sharpened lower bound. <i>Physical Review E</i> , 2012, 85, 051128.	0.8	4
44	Double stochastic resonance in the mean-field q-state clock model. <i>Physical Review E</i> , 2012, 86, 011132.	0.8	7
45	Bounds of percolation thresholds on hyperbolic lattices. <i>Physical Review E</i> , 2012, 86, 062105.	0.8	4
46	Critical condition of the water-retention model. <i>Physical Review E</i> , 2012, 85, 032103.	0.8	8
47	Cluster-size heterogeneity in the two-dimensional Ising model. <i>Physical Review E</i> , 2012, 86, 032103.	0.8	10
48	Vortex interaction on curved surfaces. <i>Physical Review E</i> , 2012, 86, 056603.	0.8	1
49	Dworkin's Paradox. <i>PLoS ONE</i> , 2012, 7, e38529.	1.1	2
50	Zipf's law unzipped. <i>New Journal of Physics</i> , 2011, 13, 043004.	1.2	81
51	A paradoxical property of the monkey book. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P07013.	0.9	10
52	Bounds of percolation thresholds in the enhanced binary tree. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1447-1452.	1.2	5
53	The ten thousand Kims. <i>New Journal of Physics</i> , 2011, 13, 073036.	1.2	10
54	Hierarchical renormalization-group study on the planar bond-percolation problem. <i>Physica Scripta</i> , 2011, 83, 055601.	1.2	2

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55	Ising model on a hyperbolic plane with a boundary. Physical Review E, 2011, 84, 032103.	0.8	7
56	Kosterlitz-Thouless transition of magnetic dipoles on the two-dimensional plane. Physical Review B, 2011, 83, .	1.1	14
57	Critical temperatures of the three- and four-state Potts models on the kagome lattice. Physical Review E, 2011, 83, 061104.	0.8	4
58	Quantum Monte Carlo study of the transverse-field quantum Ising model on infinite-dimensional structures. Physical Review B, 2011, 84, .	1.1	6
59	Cluster Monte Carlo Study of Magnetic Dipoles. Journal of the Korean Physical Society, 2011, 59, 2381-2386.	0.3	1
60	Comment on "Six-state clock model on the square lattice: Fisher zero approach with Wang-Landau sampling". Physical Review E, 2010, 81, 063101.	0.8	19
61	EQUILIBRIUM SOLUTION TO THE LOWEST UNIQUE POSITIVE INTEGER GAME. Fluctuation and Noise Letters, 2010, 09, 61-68.	1.0	5
62	Surface and bulk criticality in midpoint percolation. Physical Review E, 2010, 81, 041108.	0.8	4
63	Non-Kosterlitz-Thouless transitions for the q -state clock models. Physical Review E, 2010, 82, 031102.	0.8	34
64	Analytic results for the percolation transitions of the enhanced binary tree. Physical Review E, 2010, 82, 011113.	0.8	11
65	True and quasi-long-range order in the generalized q -state clock model. Physical Review E, 2009, 80, 060101.	0.8	25
66	Phase transition of q -state clock models on heptagonal lattices. Physical Review E, 2009, 80, 011133.	0.8	15
67	Curvature-induced frustration in the X - Y model on hyperbolic surfaces. Physical Review E, 2009, 79, 060106.	0.8	23
68	Flow improvement caused by agents who ignore traffic rules. Physical Review E, 2009, 80, 016111.	0.8	28
69	Comment on "Monte Carlo simulation study of the two-stage percolation transition in enhanced binary trees". Journal of Physics A: Mathematical and Theoretical, 2009, 42, 478001.	0.7	9
70	Percolation on hyperbolic lattices. Physical Review E, 2009, 79, 011124.	0.8	36
71	Testing a priority-based queue model with Linux command histories. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3660-3668.	1.2	21
72	Intelligent tit-for-tat in the iterated prisoner's dilemma game. Physical Review E, 2008, 78, 011125.	0.8	25

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73	Diffusion on a heptagonal lattice. <i>Physical Review E</i> , 2008, 77, 022104.	0.8	12
74	Family name distributions: Master equation approach. <i>Physical Review E</i> , 2007, 76, 046113.	0.8	31
75	Phase transition of XY model in heptagonal lattice. <i>Europhysics Letters</i> , 2007, 79, 26002.	0.7	21
76	Korean Family Name Distribution in the Past. <i>Journal of the Korean Physical Society</i> , 2007, 51, 1812-1816.	0.3	14
77	Immunization dynamics on a two-layer network model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 361, 534-542.	1.2	30
78	Complex hysteresis. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 352, 89-93.	0.9	4