

# Seung-Woo Son

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,320  
citations

567144

15  
h-index

345118

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Percolation theory on interdependent networks based on epidemic spreading. <i>Europhysics Letters</i> , 2012, 97, 16006.	0.7	241
2	Explosive Percolation is Continuous, but with Unusual Finite Size Behavior. <i>Physical Review Letters</i> , 2011, 106, 225701.	2.9	157
3	Finding communities in directed networks. <i>Physical Review E</i> , 2010, 81, 016103.	0.8	123
4	Laser Writing Block Copolymer Self-Assembly on Graphene Light-Absorbing Layer. <i>ACS Nano</i> , 2016, 10, 3435-3442.	7.3	102
5	A protein interaction network associated with asthma. <i>Journal of Theoretical Biology</i> , 2008, 252, 722-731.	0.8	94
6	Percolation Transitions Are Not Always Sharpened by Making Networks Interdependent. <i>Physical Review Letters</i> , 2011, 107, 195702.	2.9	70
7	Scaling laws between population and facility densities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14236-14240.	3.3	69
8	Spontaneous Lamellar Alignment in Thickness-Modulated Block Copolymer Films. <i>Advanced Functional Materials</i> , 2009, 19, 2584-2591.	7.8	63
9	Large-Scale Quantitative Analysis of Painting Arts. <i>Scientific Reports</i> , 2014, 4, 7370.	1.6	49
10	Dynamics and Directionality in Complex Networks. <i>Physical Review Letters</i> , 2009, 103, 228702.	2.9	43
11	Wrinkle-Directed Self-Assembly of Block Copolymers for Aligning of Nanowire Arrays. <i>Advanced Materials</i> , 2014, 26, 4665-4670.	11.1	38
12	Anomalous Rapid Defect Annihilation in Self-Assembled Nanopatterns by Defect Melting. <i>Nano Letters</i> , 2015, 15, 1190-1196.	4.5	37
13	Enhancing synchronization by directionality in complex networks. <i>Physical Review E</i> , 2011, 83, 045101.	0.8	30
14	Sampling properties of directed networks. <i>Physical Review E</i> , 2012, 86, 046104.	0.8	17
15	In-depth data on the network structure and hourly activity of the Central Chilean power grid. <i>Scientific Data</i> , 2018, 5, 180209.	2.4	16
16	Multistability and variations in basin of attraction in power-grid systems. <i>New Journal of Physics</i> , 2018, 20, 113006.	1.2	14
17	Thermal fluctuation effects on finite-size scaling of synchronization. <i>Physical Review E</i> , 2010, 81, 061125.	0.8	13
18	Agglomerative percolation in two dimensions. <i>Europhysics Letters</i> , 2012, 97, 16004.	0.7	13

#	ARTICLE	IF	CITATIONS
19	Criticality in Spreading Processes without Timescale Separation and the Critical Brain Hypothesis. Physical Review X, 2021, 11, .	2.8	13
20	Relaxation of synchronization on complex networks. Physical Review E, 2008, 78, 016106.	0.8	12
21	Percolation properties of growing networks under an Achlioptas process. Europhysics Letters, 2013, 103, 26004.	0.7	12
22	Irreversible aggregation and network renormalization. Europhysics Letters, 2011, 95, 58007.	0.7	11
23	On structural and dynamical factors determining the integrated basin instability of power-grid nodes. Chaos, 2019, 29, 103132.	1.0	11
24	Exact solutions for mass-dependent irreversible aggregations. Physical Review E, 2011, 84, 040102.	0.8	10
25	Anomalous scaling behavior in polymer thin film growth by vapor deposition. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P02031.	0.9	8
26	Phase-shift inversion in oscillator systems with periodically switching couplings. Physical Review E, 2012, 85, 027202.	0.8	8
27	Power-grid stability predictions using transferable machine learning. Chaos, 2021, 31, 123127.	1.0	8
28	PageRank and rank-reversal dependence on the damping factor. Physical Review E, 2012, 86, 066104.	0.8	7
29	Son, Grassberger, and Paczuski Reply:. Physical Review Letters, 2013, 111, 189602.	2.9	5
30	Synchronization of active rotators interacting with environment. Physical Review E, 2020, 101, 022613.	0.8	5
31	Network structures between strategies in iterated prisonersâ€™ dilemma games. Journal of the Korean Physical Society, 2014, 64, 341-345.	0.3	4
32	Motif dynamics in signed directional complex networks. Journal of the Korean Physical Society, 2021, 78, 535-541.	0.3	4
33	Underlying Scale-Free Trees in Complex Networks. Progress of Theoretical Physics Supplement, 2005, 157, 213-220.	0.2	3
34	Demographic studies of Internet routers. Journal of the Korean Physical Society, 2012, 60, 585-589.	0.3	3
35	Nash equilibrium and evolutionary dynamics in semifinalists' dilemma. Physical Review E, 2015, 91, 042144.	0.8	3
36	Structural properties of networks grown via an Achlioptas process. Journal of the Korean Physical Society, 2014, 65, 1985-1990.	0.3	2

#	ARTICLE	IF	CITATIONS
37	Costly bilingualism model in a population with one zealot. <i>Physical Review E</i> , 2013, 88, 022807.	0.8	1
38	Dynamic motifs of strategies in prisoner's dilemma games. <i>Journal of the Korean Physical Society</i> , 2014, 65, 1709-1714.	0.3	1
39	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