

Chen Han-shuang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Interface control and modification of band alignment and electrical properties of HfTiO/GaAs gate stacks by nitrogen incorporation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5299-5308.	5.5	142
2	Effect of dimethylaluminumhydride-derived aluminum oxynitride passivation layer on the interface chemistry and band alignment of HfTiO-InGaAs gate stacks. <i>APL Materials</i> , 2013, 1, .	5.1	60
3	First-order phase transition in a majority-vote model with inertia. <i>Physical Review E</i> , 2017, 95, 042304.	2.1	37
4	Critical noise of majority-vote model on complex networks. <i>Physical Review E</i> , 2015, 91, 022816.	2.1	34
5	Explosive synchronization transitions in complex neural networks. <i>Chaos</i> , 2013, 23, 033124.	2.5	33
6	Strategy to suppress epidemic explosion in heterogeneous metapopulation networks. <i>Physical Review E</i> , 2012, 86, 036114.	2.1	28
7	Enhancement of neuronal coherence by diversity in coupled Rulkov-map models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1071-1076.	2.6	27
8	Optimal allocation of resources for suppressing epidemic spreading on networks. <i>Physical Review E</i> , 2017, 96, 012321.	2.1	26
9	Structural-diversity-enhanced cellular ability to detect subthreshold extracellular signals. <i>Physical Review E</i> , 2007, 75, 041910.	2.1	24
10	Diversity-induced coherence resonance in spatially extended chaotic systems. <i>Physical Review E</i> , 2008, 77, 026207.	2.1	21
11	Optimal modularity for nucleation in a network-organized Ising model. <i>Physical Review E</i> , 2011, 83, 046124.	2.1	17
12	Random walks on complex networks with first-passage resetting. <i>Physical Review E</i> , 2021, 103, 062132.	2.1	15
13	Statistically consistent coarse-grained simulations for critical phenomena in complex networks. <i>Physical Review E</i> , 2010, 82, 011107.	2.1	12
14	Discontinuous phase transition in an annealed multi-state majority-vote model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 073403.	2.3	12
15	Phase transitions in a multistate majority-vote model on complex networks. <i>Physical Review E</i> , 2018, 97, 062304.	2.1	12
16	Majority vote model with ancillary noise in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 516, 563-570.	2.6	12
17	First passage of a diffusing particle under stochastic resetting in bounded domains with spherical symmetry. <i>Physical Review E</i> , 2022, 105, 034109.	2.1	12
18	Resonant response of forced complex networks: The role of topological disorder. <i>Chaos</i> , 2009, 19, 033122.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Mobility and density induced amplitude death in metapopulation networks of coupled oscillators. <i>Chaos</i> , 2014, 24, 043125.	2.5	11
20	Selective effects of external noise on Ca ²⁺ signal in mesoscopic scale biochemical cell systems. <i>Biophysical Chemistry</i> , 2007, 125, 397-402.	2.8	10
21	Threshold-diversity-induced resonance. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 2299-2305.	2.6	10
22	Entropic stochastic resonance of a flexible polymer chain in a confined system. <i>Journal of Chemical Physics</i> , 2012, 137, 044904.	3.0	10
23	Large deviation induced phase switch in an inertial majority-vote model. <i>Chaos</i> , 2017, 27, 081102.	2.5	10
24	Random walks on complex networks with multiple resetting nodes: A renewal approach. <i>Chaos</i> , 2021, 31, 093135.	2.5	10
25	Non-Markovian majority-vote model. <i>Physical Review E</i> , 2020, 102, 062311.	2.1	10
26	Random walks on complex networks under node-dependent stochastic resetting. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2022, 2022, 053201.	2.3	10
27	Nucleation in scale-free networks. <i>Physical Review E</i> , 2011, 83, 031110.	2.1	9
28	Evolution of interface chemistry and dielectric properties of HfO ₂ /Ge gate stack modulated by Gd incorporation and thermal annealing. <i>AIP Advances</i> , 2016, 6, .	1.3	9
29	Quenched mean-field theory for the majority-vote model on complex networks. <i>Europhysics Letters</i> , 2017, 120, 18003.	2.0	9
30	Noise-induced vortex reversal of self-propelled particles. <i>Physical Review E</i> , 2012, 86, 041122.	2.1	6
31	Double phase transition of the Ising model in core-periphery networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 063402.	2.3	6
32	Nucleation pathways on complex networks. <i>Chaos</i> , 2013, 23, 013112.	2.5	5
33	Cathodoluminescence and field emission from GaN/MgAl ₂ O ₄ grown by metalorganic chemical vapor deposition: substrate-orientation dependence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 238-245.	5.5	5
34	Mobility-enhanced signal response in metapopulation networks of coupled oscillators. <i>Europhysics Letters</i> , 2013, 102, 38004.	2.0	5
35	How does degree heterogeneity affect nucleation on complex networks?. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P09014.	2.3	4
36	Nucleation of a three-state spin model on complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 424, 97-104.	2.6	4

#	ARTICLE	IF	CITATIONS
37	Coarse-grained Monte Carlo simulations of the phase transition of the Potts model on weighted networks. <i>Physical Review E</i> , 2011, 83, 066109.	2.1	2
38	Heterogeneous nucleation on complex networks with mobile impurities. <i>Europhysics Letters</i> , 2015, 111, 48005.	2.0	2
39	Hybrid multiscale coarse-graining for dynamics on complex networks. <i>Chaos</i> , 2018, 28, 123122.	2.5	1