

Hyunsuk Hong

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,179
citations

516710

16
h-index

477307

29
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all docs

30
docs citations

30
times ranked

871
citing authors

#	ARTICLE	IF	CITATIONS
1	First-order like phase transition induced by quenched coupling disorder. <i>Chaos</i> , 2022, 32, 063125.	2.5	4
2	Swarmalators on a ring with distributed couplings. <i>Physical Review E</i> , 2022, 105, .	2.1	10
3	Collective steady-state patterns of swarmalators with finite-cutoff interaction distance. <i>Chaos</i> , 2021, 31, 033134.	2.5	20
4	A two-frequency-two-coupling model of coupled oscillators. <i>Chaos</i> , 2021, 31, 083124.	2.5	3
5	Coupling disorder in a population of swarmalators. <i>Physical Review E</i> , 2021, 104, 044214.	2.1	15
6	Asymmetric dynamic interaction shifts synchronized frequency of coupled oscillators. <i>Scientific Reports</i> , 2020, 10, 2516.	3.3	3
7	Effects of Interaction Range on the Behavior of Opinion Consensus. <i>Journal of the Korean Physical Society</i> , 2018, 73, 1406-1409.	0.7	0
8	Twisted states in low-dimensional hypercubic lattices. <i>Physical Review E</i> , 2018, 98, .	2.1	6
9	Active phase wave in the system of swarmalators with attractive phase coupling. <i>Chaos</i> , 2018, 28, 103112.	2.5	21
10	Finite-size scaling in the system of coupled oscillators with heterogeneity in coupling strength. <i>Physical Review E</i> , 2017, 96, 012213.	2.1	8
11	Oscillators that sync and swarm. <i>Nature Communications</i> , 2017, 8, 1504.	12.8	184
12	Correlated disorder in the Kuramoto model: Effects on phase coherence, finite-size scaling, and dynamic fluctuations. <i>Chaos</i> , 2016, 26, 103105.	2.5	9
13	Phase coherence induced by correlated disorder. <i>Physical Review E</i> , 2016, 93, 022219.	2.1	16
14	Winding number excitation detects phase transition in one-dimensional XY model with variable interaction range. <i>Physical Review E</i> , 2015, 91, 052120.	2.1	2
15	Finite-size scaling, dynamic fluctuations, and hyperscaling relation in the Kuramoto model. <i>Physical Review E</i> , 2015, 92, 022122.	2.1	29
16	Traveling wave in a three-dimensional array of conformist and contrarian oscillators. <i>Physical Review E</i> , 2015, 91, 032135.	2.1	2
17	Nature of synchronization transitions in random networks of coupled oscillators. <i>Physical Review E</i> , 2014, 89, 012810.	2.1	16
18	Winding-number excitation in one-dimensional oscillators with variable interaction range. <i>Journal of the Korean Physical Society</i> , 2014, 64, 954-957.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Periodic synchronization and chimera in conformist and contrarian oscillators. <i>Physical Review E</i> , 2014, 89, 062924.	2.1	17
20	Link-disorder fluctuation effects on synchronization in random networks. <i>Physical Review E</i> , 2013, 87, 042105.	2.1	11
21	Costly bilingualism model in a population with one zealot. <i>Physical Review E</i> , 2013, 88, 022807.	2.1	1
22	Stable and flexible system for glucose homeostasis. <i>Physical Review E</i> , 2013, 88, 032711.	2.1	16
23	Encouraging Moderation: Clues from a Simple Model of Ideological Conflict. <i>Physical Review Letters</i> , 2012, 109, 118702.	7.8	51
24	Mean-field behavior in coupled oscillators with attractive and repulsive interactions. <i>Physical Review E</i> , 2012, 85, 056210.	2.1	63
25	Kuramoto Model of Coupled Oscillators with Positive and Negative Coupling Parameters: An Example of Conformist and Contrarian Oscillators. <i>Physical Review Letters</i> , 2011, 106, 054102.	7.8	302
26	Conformists and contrarians in a Kuramoto model with identical natural frequencies. <i>Physical Review E</i> , 2011, 84, 046202.	2.1	120
27	Dynamics and Directionality in Complex Networks. <i>Physical Review Letters</i> , 2009, 103, 228702.	7.8	43
28	Finite-Size Scaling in Complex Networks. <i>Physical Review Letters</i> , 2007, 98, 258701.	7.8	90
29	Entrainment Transition in Populations of Random Frequency Oscillators. <i>Physical Review Letters</i> , 2007, 99, 184101.	7.8	82
30	Finite-size scaling of synchronized oscillation on complex networks. <i>Physical Review E</i> , 2007, 76, 066104.	2.1	33