Hyunsuk Hong

List of Publications by Year
in descending order

30	1,179	516710 16	477307 29
papers	citations	h-index	g-index

30	30	30	871
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kuramoto Model of Coupled Oscillators with Positive and Negative Coupling Parameters: An Example of Conformist and Contrarian Oscillators. Physical Review Letters, 2011, 106, 054102.	7.8	302
2	Oscillators that sync and swarm. Nature Communications, 2017, 8, 1504.	12.8	184
3	Conformists and contrarians in a Kuramoto model with identical natural frequencies. Physical Review E, 2011, 84, 046202.	2.1	120
4	Finite-Size Scaling in Complex Networks. Physical Review Letters, 2007, 98, 258701.	7.8	90
5	Entrainment Transition in Populations of Random Frequency Oscillators. Physical Review Letters, 2007, 99, 184101.	7.8	82
6	Mean-field behavior in coupled oscillators with attractive and repulsive interactions. Physical Review E, 2012, 85, 056210.	2.1	63
7	Encouraging Moderation: Clues from a Simple Model of Ideological Conflict. Physical Review Letters, 2012, 109, 118702.	7.8	51
8	Dynamics and Directionality in Complex Networks. Physical Review Letters, 2009, 103, 228702.	7.8	43
9	Finite-size scaling of synchronized oscillation on complex networks. Physical Review E, 2007, 76, 066104.	2.1	33
10	Finite-size scaling, dynamic fluctuations, and hyperscaling relation in the Kuramoto model. Physical Review E, 2015, 92, 022122.	2.1	29
11	Active phase wave in the system of swarmalators with attractive phase coupling. Chaos, 2018, 28, 103112.	2.5	21
12	Collective steady-state patterns of swarmalators with finite-cutoff interaction distance. Chaos, 2021, 31, 033134.	2.5	20
13	Periodic synchronization and chimera in conformist and contrarian oscillators. Physical Review E, 2014, 89, 062924.	2.1	17
14	Stable and flexible system for glucose homeostasis. Physical Review E, 2013, 88, 032711.	2.1	16
15	Nature of synchronization transitions in random networks of coupled oscillators. Physical Review E, 2014, 89, 012810.	2.1	16
16	Phase coherence induced by correlated disorder. Physical Review E, 2016, 93, 022219.	2.1	16
17	Coupling disorder in a population of swarmalators. Physical Review E, 2021, 104, 044214.	2.1	15
18	Link-disorder fluctuation effects on synchronization in random networks. Physical Review E, 2013, 87, 042105.	2.1	11

#	Article	IF	Citations
19	Swarmalators on a ring with distributed couplings. Physical Review E, 2022, 105, .	2.1	10
20	Correlated disorder in the Kuramoto model: Effects on phase coherence, finite-size scaling, and dynamic fluctuations. Chaos, 2016, 26, 103105.	2.5	9
21	Finite-size scaling in the system of coupled oscillators with heterogeneity in coupling strength. Physical Review E, 2017, 96, 012213.	2.1	8
22	Twisted states in low-dimensional hypercubic lattices. Physical Review E, 2018, 98, .	2.1	6
23	First-order like phase transition induced by quenched coupling disorder. Chaos, 2022, 32, 063125.	2.5	4
24	Asymmetric dynamic interaction shifts synchronized frequency of coupled oscillators. Scientific Reports, 2020, 10, 2516.	3.3	3
25	A two-frequency-two-coupling model of coupled oscillators. Chaos, 2021, 31, 083124.	2.5	3
26	Winding-number excitation in one-dimensional oscillators with variable interaction range. Journal of the Korean Physical Society, 2014, 64, 954-957.	0.7	2
27	Winding number excitation detects phase transition in one-dimensionalXYmodel with variable interaction range. Physical Review E, 2015, 91, 052120.	2.1	2
28	Traveling wave in a three-dimensional array of conformist and contrarian oscillators. Physical Review E, 2015, 91, 032135.	2.1	2
29	Costly bilingualism model in a population with one zealot. Physical Review E, 2013, 88, 022807.	2.1	1
30	Effects of Interaction Range on the Behavior of Opinion Consensus. Journal of the Korean Physical Society, 2018, 73, 1406-1409.	0.7	0