

Dong-uk Hwang

List of Publications by Year in descending order

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37
papers

9,848
citations

566801

15
h-index

454577

30
g-index

37
all docs

37
docs citations

37
times ranked

7768
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex networks: Structure and dynamics. <i>Physics Reports</i> , 2006, 424, 175-308.	10.3	8,661
2	Synchronization is Enhanced in Weighted Complex Networks. <i>Physical Review Letters</i> , 2005, 94, 218701.	2.9	418
3	Synchronization in Complex Networks with Age Ordering. <i>Physical Review Letters</i> , 2005, 94, 138701.	2.9	167
4	Synchronization in dynamical networks: Evolution along commutative graphs. <i>Physical Review E</i> , 2006, 74, 016102.	0.8	91
5	Neural dynamics of two players when using nonverbal cues to gauge intentions to cooperate during the Prisoner's Dilemma Game. <i>NeuroImage</i> , 2017, 157, 263-274.	2.1	77
6	Synchronizing weighted complex networks. <i>Chaos</i> , 2006, 16, 015106.	1.0	55
7	Chaotic Transition of Random Dynamical Systems and Chaos Synchronization by Common Noises. <i>Physical Review Letters</i> , 2000, 85, 2304-2307.	2.9	47
8	Granger causality relationships between local field potentials in an animal model of temporal lobe epilepsy. <i>Journal of Neuroscience Methods</i> , 2010, 189, 121-129.	1.3	42
9	Degree mixing and the enhancement of synchronization in complex weighted networks. <i>Physical Review E</i> , 2006, 74, 066107.	0.8	35
10	Circadian control of neural excitability in an animal model of temporal lobe epilepsy. <i>Neuroscience Letters</i> , 2009, 455, 145-149.	1.0	32
11	Spike timing dependent plasticity promotes synchrony of inhibitory networks in the presence of heterogeneity. <i>Journal of Computational Neuroscience</i> , 2008, 25, 262-281.	0.6	29
12	Temporal Lobe Epilepsy: Anatomical and Effective Connectivity. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2009, 17, 214-223.	2.7	24
13	Functional network organizations of two contrasting temperament groups in dimensions of novelty seeking and harm avoidance. <i>Brain Research</i> , 2014, 1575, 33-44.	1.1	24
14	Non-parametric early seizure detection in an animal model of temporal lobe epilepsy. <i>Journal of Neural Engineering</i> , 2008, 5, 85-98.	1.8	23
15	Thresholds for Epidemic Outbreaks in Finite Scale-Free Networks. <i>Mathematical Biosciences and Engineering</i> , 2005, 2, 317-327.	1.0	19
16	GROWING HIERARCHICAL SCALE-FREE NETWORKS BY MEANS OF NONHIERARCHICAL PROCESSES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 2447-2452.	0.7	15
17	Synchronization processes in complex networks. <i>European Physical Journal: Special Topics</i> , 2007, 146, 129-144.	1.2	13
18	Predicting synchrony in heterogeneous pulse coupled oscillators. <i>Physical Review E</i> , 2009, 80, 021908.	0.8	13

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19	Transport control in a deterministic ratchet system. <i>Physical Review E</i> , 2008, 77, 066213.	0.8	11
20	Synchrony with shunting inhibition in a feedforward inhibitory network. <i>Journal of Computational Neuroscience</i> , 2010, 28, 305-321.	0.6	10
21	Awaking and sleeping of a complex network. <i>Neural Networks</i> , 2007, 20, 102-108.	3.3	8
22	Multiscale ensemble clustering for finding modules in complex networks. <i>Physical Review E</i> , 2012, 85, 026119.	0.8	8
23	Coherence resonance in excitable electronic circuits in the presence of colored noise. <i>Physical Review E</i> , 2005, 71, 062101.	0.8	7
24	Reconsideration of intermittent synchronization in coupled chaotic pendula. <i>Physical Review E</i> , 2001, 64, 060101.	0.8	5
25	Experimental implementation of maximally synchronizable networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 448, 113-121.	1.2	5
26	Control of a Deterministic Inertia Ratchet System via Extended Delay Feedback. <i>Journal of the Korean Physical Society</i> , 2007, 50, 243.	0.3	3
27	Origin of the transition inside the desynchronized state in coupled chaotic oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 313, 62-67.	0.9	2
28	Estimation of inter-modular connectivity from the local field potentials in a hierarchical modular network. <i>Europhysics Letters</i> , 2015, 110, 38001.	0.7	2
29	Single Trial Discrimination between Right and Left Hand Movement-Related EEG Activity. <i>Lecture Notes in Computer Science</i> , 2004, , 255-262.	1.0	1
30	Excitable behavior of an operational amplifier. <i>Europhysics Letters</i> , 2005, 71, 723-729.	0.7	1
31	Mechanism of synchronization in a random dynamical system. <i>Physical Review E</i> , 2001, 64, 036219.	0.8	0
32	Stability analysis on beta rhythm in CA1 region. , 2003, , .		0
33	Phase-model analysis of coupled neuronal oscillators with multiple connections. <i>Physical Review E</i> , 2006, 74, 031911.	0.8	0
34	COHERENCE RESONANCE IN A FITZHUGHâ€“NAGUMO ELECTRONIC SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 3431-3436.	0.7	0
35	Synchrony with shunting inhibition. <i>BMC Neuroscience</i> , 2009, 10, .	0.8	0
36	Mathematical model for metabolic neuro-hemodynamic coupling. <i>BMC Neuroscience</i> , 2011, 12, .	0.8	0

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37	Functional relation between fluctuation and node degree in coupled stochastic dynamical systems. Physica D: Nonlinear Phenomena, 2014, 275, 1-7.	1.3	0