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	Neural dynamics of two players when using nonverbal cues to gauge intentions to cooperate during the Prisoner's Dilemma Game. NeuroImage, 2017, 157, 263-274.	2.1	77
2	Experimental implementation of maximally synchronizable networks. Physica A: Statistical Mechanics and Its Applications, 2016, 448, 113-121.	1.2	5
3	Estimation of inter-modular connectivity from the local field potentials in a hierarchical modular network. Europhysics Letters, 2015, 110, 38001.	0.7	2
4	Functional relation between fluctuation and node degree in coupled stochastic dynamical systems. Physica D: Nonlinear Phenomena, 2014, 275, 1-7.	1.3	0
5	Functional network organizations of two contrasting temperament groups in dimensions of novelty seeking and harm avoidance. Brain Research, 2014, 1575, 33-44.	1.1	24
6	Multiscale ensemble clustering for finding modules in complex networks. Physical Review E, 2012, 85, 026119.	0.8	8
7	Mathematical model for metabolic neuro-hemodynamic coupling. BMC Neuroscience, 2011, 12, .	0.8	0
8	Synchrony with shunting inhibition in a feedforward inhibitory network. Journal of Computational Neuroscience, 2010, 28, 305-321.	0.6	10
9	Granger causality relationships between local field potentials in an animal model of temporal lobe epilepsy. Journal of Neuroscience Methods, 2010, 189, 121-129.	1.3	42
10	Predicting synchrony in heterogeneous pulse coupled oscillators. Physical Review E, 2009, 80, 021908.	0.8	13
11	Synchrony with shunting inhibition. BMC Neuroscience, 2009, 10, .	0.8	0
12	Temporal Lobe Epilepsy: Anatomical and Effective Connectivity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2009, 17, 214-223.	2.7	24
13	Circadian control of neural excitability in an animal model of temporal lobe epilepsy. Neuroscience Letters, 2009, 455, 145-149.	1.0	32
14	Spike timing dependent plasticity promotes synchrony of inhibitory networks in the presence of heterogeneity. Journal of Computational Neuroscience, 2008, 25, 262-281.	0.6	29
15	Non-parametric early seizure detection in an animal model of temporal lobe epilepsy. Journal of Neural Engineering, 2008, 5, 85-98.	1.8	23
16	Transport control in a deterministic ratchet system. Physical Review E, 2008, 77, 066213.	0.8	11
17	COHERENCE RESONANCE IN A FITZHUGHâ€“NAGUMO ELECTRONIC SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3431-3436.	0.7	0
18	GROWING HIERARCHICAL SCALE-FREE NETWORKS BY MEANS OF NONHIERARCHICAL PROCESSES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 2447-2452.	0.7	15

#	Article	IF	Citations
19	Awaking and sleeping of a complex network. Neural Networks, 2007, 20, 102-108.	3.3	8
20	Synchronization processes in complex networks. European Physical Journal: Special Topics, 2007, 146, 129-144.	1.2	13
21	Control of a Deterministic Inertia Ratchet System via Extended Delay Feedback. Journal of the Korean Physical Society, 2007, 50, 243.	0.3	3
22	Synchronizing weighted complex networks. Chaos, 2006, 16, 015106.	1.0	55
23	Synchronization in dynamical networks: Evolution along commutative graphs. Physical Review E, 2006, 74, 016102.	0.8	91
24	Complex networks: Structure and dynamics. Physics Reports, 2006, 424, 175-308.	10.3	8,661
25	Degree mixing and the enhancement of synchronization in complex weighted networks. Physical Review E, 2006, 74, 066107.	0.8	35
26	Phase-model analysis of coupled neuronal oscillators with multiple connections. Physical Review E, 2006, 74, 031911.	0.8	0
27	Synchronization is Enhanced in Weighted Complex Networks. Physical Review Letters, 2005, 94, 218701.	2.9	418
28	Excitable behavior of an operational amplifier. Europhysics Letters, 2005, 71, 723-729.	0.7	1
29	Coherence resonance in excitable electronic circuits in the presence of colored noise. Physical Review E, 2005, 71, 062101.	0.8	7
30	Synchronization in Complex Networks with Age Ordering. Physical Review Letters, 2005, 94, 138701.	2.9	167
31	Thresholds for Epidemic Outbreaks in Finite Scale-Free Networks. Mathematical Biosciences and Engineering, 2005, 2, 317-327.	1.0	19
32	Single Trial Discrimination between Right and Left Hand Movement-Related EEG Activity. Lecture Notes in Computer Science, 2004, , 255-262.	1.0	1
33	Origin of the transition inside the desynchronized state in coupled chaotic oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 313, 62-67.	0.9	2
34	Stability analysis on beta rhythm in CA1 region. , 2003, , .		0
35	Mechanism of synchronization in a random dynamical system. Physical Review E, 2001, 64, 036219.	0.8	0
36	Reconsideration of intermittent synchronization in coupled chaotic pendula. Physical Review E, 2001, 64, 060101.	0.8	5

#	Article	IF	Citations
37	Chaotic Transition of Random Dynamical Systems and Chaos Synchronization by Common Noises. Physical Review Letters, 2000, 85, 2304-2307.	2.9	47