

Ramana Dodla

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,381
citations

1040018

9
h-index

713444

21
g-index

26
all docs

26
docs citations

26
times ranked

686
citing authors

#	ARTICLE	IF	CITATIONS
1	Time Delay Induced Death in Coupled Limit Cycle Oscillators. <i>Physical Review Letters</i> , 1998, 80, 5109-5112.	7.8	531
2	Experimental Evidence of Time-Delay-Induced Death in Coupled Limit-Cycle Oscillators. <i>Physical Review Letters</i> , 2000, 85, 3381-3384.	7.8	275
3	Time delay effects on coupled limit cycle oscillators at Hopf bifurcation. <i>Physica D: Nonlinear Phenomena</i> , 1999, 129, 15-34.	2.8	171
4	Dynamics of a limit cycle oscillator under time delayed linear and nonlinear feedbacks. <i>Physica D: Nonlinear Phenomena</i> , 2000, 144, 335-357.	2.8	87
5	Phase-locked patterns and amplitude death in a ring of delay-coupled limit cycle oscillators. <i>Physical Review E</i> , 2004, 69, 056217.	2.1	85
6	Well-Timed, Brief Inhibition Can Promote Spiking: Postinhibitory Facilitation. <i>Journal of Neurophysiology</i> , 2006, 95, 2664-2677.	1.8	63
7	Firing rate and pattern heterogeneity in the globus pallidus arise from a single neuronal population. <i>Journal of Neurophysiology</i> , 2013, 109, 497-506.	1.8	42
8	Enhanced neuronal response induced by fast inhibition. <i>Physical Review E</i> , 2006, 73, 010903.	2.1	39
9	Subthreshold outward currents enhance temporal integration in auditory neurons. <i>Biological Cybernetics</i> , 2003, 89, 333-340.	1.3	33
10	Collective dynamics of delay-coupled limit cycle oscillators. <i>Pramana - Journal of Physics</i> , 2005, 64, 465-482.	1.8	9
11	Driven response of time delay coupled limit cycle oscillators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2003, 8, 493-518.	3.3	7
12	Coherence resonance due to transient thresholds in excitable systems. <i>Physical Review E</i> , 2010, 82, 021105.	2.1	7
13	Interaction function of oscillating coupled neurons. <i>Physical Review E</i> , 2013, 88, 042704.	2.1	5
14	Effect of Phase Response Curve Shape and Synaptic Driving Force on Synchronization of Coupled Neuronal Oscillators. <i>Neural Computation</i> , 2017, 29, 1769-1814.	2.2	5
15	A Phase Function to Quantify Serial Dependence between Discrete Samples. <i>Biophysical Journal</i> , 2010, 98, L5-L7.	0.5	4
16	Spike width and frequency alter stability of phase-locking in electrically coupled neurons. <i>Biological Cybernetics</i> , 2013, 107, 367-383.	1.3	4
17	Effect of Sharp Jumps at the Edges of Phase Response Curves on Synchronization of Electrically Coupled Neuronal Oscillators. <i>PLoS ONE</i> , 2013, 8, e58922.	2.5	4
18	Asynchronous Response of Coupled Pacemaker Neurons. <i>Physical Review Letters</i> , 2009, 102, 068102.	7.8	3

#	ARTICLE	IF	CITATIONS
19	Effect of Phase Response Curve Skewness on Synchronization of Electrically Coupled Neuronal Oscillators. <i>Neural Computation</i> , 2013, 25, 2545-2610.	2.2	3
20	Amplitude Death, Synchrony, and Chimera States in Delay Coupled Limit Cycle Oscillators. <i>Understanding Complex Systems</i> , 2009, , 1-43.	0.6	2
21	Quantification of Clustering in Joint Interspike Interval Scattergrams of Spike Trains. <i>Biophysical Journal</i> , 2010, 98, 2535-2543.	0.5	2
22	Resonance of coefficient of variation induced by rebound currents for stochastic inhibitory inputs. <i>BMC Neuroscience</i> , 2007, 8, .	1.9	0
23	Random behavior in regular spike times: a phase function to find periodicity in spike time sequences, and its application to globus pallidus neurons. <i>BMC Neuroscience</i> , 2010, 11, .	1.9	0
24	Effect of slackness on delay coupled oscillators. , 2014, , .		0
25	Postinhibitory Rebound and Facilitation. , 2022, , 2868-2871.		0