

Ramana Dodla

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,381
citations

1040056

9
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

686
citing authors

#	ARTICLE	IF	CITATIONS
1	Postinhibitory Rebound and Facilitation. , 2022, , 2868-2871.		0
2	Effect of Phase Response Curve Shape and Synaptic Driving Force on Synchronization of Coupled Neuronal Oscillators. Neural Computation, 2017, 29, 1769-1814.	2.2	5
3	Effect of slackness on delay coupled oscillators. , 2014, , .		0
4	Effect of Phase Response Curve Skewness on Synchronization of Electrically Coupled Neuronal Oscillators. Neural Computation, 2013, 25, 2545-2610.	2.2	3
5	Spike width and frequency alter stability of phase-locking in electrically coupled neurons. Biological Cybernetics, 2013, 107, 367-383.	1.3	4
6	Firing rate and pattern heterogeneity in the globus pallidus arise from a single neuronal population. Journal of Neurophysiology, 2013, 109, 497-506.	1.8	42
7	Interaction function of oscillating coupled neurons. Physical Review E, 2013, 88, 042704.	2.1	5
8	Effect of Sharp Jumps at the Edges of Phase Response Curves on Synchronization of Electrically Coupled Neuronal Oscillators. PLoS ONE, 2013, 8, e58922.	2.5	4
9	Random behavior in regular spike times: a phase function to find periodicity in spike time sequences, and its application to globus pallidus neurons. BMC Neuroscience, 2010, 11, .	1.9	0
10	A Phase Function to Quantify Serial Dependence between Discrete Samples. Biophysical Journal, 2010, 98, L5-L7.	0.5	4
11	Quantification of Clustering in Joint Interspike Interval Scattergrams of Spike Trains. Biophysical Journal, 2010, 98, 2535-2543.	0.5	2
12	Coherence resonance due to transient thresholds in excitable systems. Physical Review E, 2010, 82, 021105.	2.1	7
13	Asynchronous Response of Coupled Pacemaker Neurons. Physical Review Letters, 2009, 102, 068102.	7.8	3
14	Amplitude Death, Synchrony, and Chimera States in Delay Coupled Limit Cycle Oscillators. Understanding Complex Systems, 2009, , 1-43.	0.6	2
15	Resonance of coefficient of variation induced by rebound currents for stochastic inhibitory inputs. BMC Neuroscience, 2007, 8, .	1.9	0
16	Well-Timed, Brief Inhibition Can Promote Spiking: Postinhibitory Facilitation. Journal of Neurophysiology, 2006, 95, 2664-2677.	1.8	63
17	Enhanced neuronal response induced by fast inhibition. Physical Review E, 2006, 73, 010903.	2.1	39
18	Collective dynamics of delay-coupled limit cycle oscillators. Pramana - Journal of Physics, 2005, 64, 465-482.	1.8	9

#	ARTICLE	IF	CITATIONS
19	Phase-locked patterns and amplitude death in a ring of delay-coupled limit cycle oscillators. Physical Review E, 2004, 69, 056217.	2.1	85
20	Subthreshold outward currents enhance temporal integration in auditory neurons. Biological Cybernetics, 2003, 89, 333-340.	1.3	33
21	Driven response of time delay coupled limit cycle oscillators. Communications in Nonlinear Science and Numerical Simulation, 2003, 8, 493-518.	3.3	7
22	Dynamics of a limit cycle oscillator under time delayed linear and nonlinear feedbacks. Physica D: Nonlinear Phenomena, 2000, 144, 335-357.	2.8	87
23	Experimental Evidence of Time-Delay-Induced Death in Coupled Limit-Cycle Oscillators. Physical Review Letters, 2000, 85, 3381-3384.	7.8	275
24	Time delay effects on coupled limit cycle oscillators at Hopf bifurcation. Physica D: Nonlinear Phenomena, 1999, 129, 15-34.	2.8	171
25	Time Delay Induced Death in Coupled Limit Cycle Oscillators. Physical Review Letters, 1998, 80, 5109-5112.	7.8	531