

Bing Jia

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

539
citations

686830

13
h-index

676716

22
g-index

22
all docs

22
docs citations

22
times ranked

251
citing authors

#	ARTICLE	IF	CITATIONS
1	White noise-induced spiral waves and multiple spatial coherence resonances in a neuronal network with type I excitability. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1361-1374.	1.2	70
2	A basic bifurcation structure from bursting to spiking of injured nerve fibers in a two-dimensional parameter space. <i>Cognitive Neurodynamics</i> , 2017, 11, 189-200.	2.3	51
3	Dynamics of period-doubling bifurcation to chaos in the spontaneous neural firing patterns. <i>Cognitive Neurodynamics</i> , 2012, 6, 89-106.	2.3	47
4	Bifurcations and enhancement of neuronal firing induced by negative feedback. <i>Nonlinear Dynamics</i> , 2016, 86, 1549-1560.	2.7	46
5	Dynamics of transitions from anti-phase to multiple in-phase synchronizations in inhibitory coupled bursting neurons. <i>Nonlinear Dynamics</i> , 2018, 93, 1599-1618.	2.7	38
6	Spiral Waves and Multiple Spatial Coherence Resonances Induced by Colored Noise in Neuronal Network. <i>Communications in Theoretical Physics</i> , 2012, 57, 61-67.	1.1	32
7	Dynamics and Physiological Roles of Stochastic Firing Patterns Near Bifurcation Points. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750113.	0.7	32
8	Identifying type I excitability using dynamics of stochastic neural firing patterns. <i>Cognitive Neurodynamics</i> , 2012, 6, 485-497.	2.3	30
9	Coherence-Resonance-Induced Neuronal Firing near a Saddle-Node and Homoclinic Bifurcation Corresponding to Type-I Excitability. <i>Chinese Physics Letters</i> , 2011, 28, 090507.	1.3	28
10	Experimental evidence of a chaotic region in a neural pacemaker. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 718-720.	0.9	28
11	Parameter Diversity Induced Multiple Spatial Coherence Resonances and Spiral Waves in Neuronal Network with and Without Noise. <i>Communications in Theoretical Physics</i> , 2012, 57, 817-824.	1.1	21
12	Negative Feedback Mediated by Fast Inhibitory Autapse Enhances Neuronal Oscillations Near a Hopf Bifurcation Point. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1850030.	0.7	19
13	A Novel Threshold Across which the Negative Stimulation Evokes Action Potential Near a Saddle-Node Bifurcation in a Neuronal Model with Ih Current. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950198.	0.7	17
14	The nonlinear mechanism for the same responses of neuronal bursting to opposite self-feedback modulations of autapse. <i>Science China Technological Sciences</i> , 2021, 64, 1459-1471.	2.0	16
15	Explanation to negative feedback induced-enhancement of neural electronic activities with phase response curve. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 180502.	0.2	15
16	Exponential decay characteristics of the stochastic integer multiple neural firing patterns. <i>Cognitive Neurodynamics</i> , 2011, 5, 87-101.	2.3	13
17	Parameter-dependent synchronization transition of coupled neurons with co-existing spiking and bursting. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 3281-3292.	1.2	13
18	Synchronization transition of a coupled system composed of neurons with coexisting behaviors near a Hopf bifurcation. <i>Chinese Physics B</i> , 2014, 23, 050510.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Spatial patterns in a network composed of neurons with different excitabilities induced by autapse. <i>European Physical Journal: Special Topics</i> , 2018, 227, 821-835.	1.2	5
20	Excitability and Threshold Mechanism for Enhanced Neuronal Response Induced by Inhibition Preceding Excitation. <i>Neural Plasticity</i> , 2021, 2021, 1-18.	1.0	5
21	Enhancement of coherence resonance induced by inhibitory autapse in Hodgkin-Huxley model. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150110.	1.0	5
22	Experimental identification of a comb-shaped chaotic region in multiple parameter spaces simulated by the Hindmarsh-Rose neuron model. <i>Chinese Physics B</i> , 2014, 23, 030505.	0.7	3