

Zhao Zhiguo

List of Publications by Year in descending order

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17
papers

359
citations

933447

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940533

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times ranked

148
citing authors

#	ARTICLE	IF	CITATIONS
1	Transitions between classes of neuronal excitability and bifurcations induced by autapse. <i>Scientific Reports</i> , 2017, 7, 6760.	3.3	64
2	Bifurcations and enhancement of neuronal firing induced by negative feedback. <i>Nonlinear Dynamics</i> , 2016, 86, 1549-1560.	5.2	46
3	Dynamics of Time Delay-Induced Multiple Synchronous Behaviors in Inhibitory Coupled Neurons. <i>PLoS ONE</i> , 2015, 10, e0138593.	2.5	37
4	Excitatory autapse induces different cases of reduced neuronal firing activities near Hopf bifurcation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 85, 105250.	3.3	35
5	The influence of single neuron dynamics and network topology on time delay-induced multiple synchronous behaviors in inhibitory coupled network. <i>Chaos, Solitons and Fractals</i> , 2015, 80, 96-108.	5.1	34
6	Dynamical Mechanism of Hyperpolarization-Activated Non-specific Cation Current Induced Resonance and Spike-Timing Precision in a Neuronal Model. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 62.	3.7	27
7	Different dynamics of repetitive neural spiking induced by inhibitory and excitatory autapses near subcritical Hopf bifurcation. <i>Nonlinear Dynamics</i> , 2020, 99, 1129-1154.	5.2	26
8	Dynamics of On-Off Neural Firing Patterns and Stochastic Effects near a Sub-Critical Hopf Bifurcation. <i>PLoS ONE</i> , 2015, 10, e0121028.	2.5	21
9	Fast-Slow Variable Dissection with Two Slow Variables: A Case Study on Bifurcations Underlying Bursting for Seizure and Spreading Depression. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2150096.	1.7	16
10	Dynamics of subthreshold and suprathreshold resonance modulated by hyperpolarization-activated cation current in a bursting neuron. <i>Nonlinear Dynamics</i> , 2021, 104, 577-601.	5.2	13
11	Bifurcations of Time-Delay-Induced Multiple Transitions Between In-Phase and Anti-Phase Synchronizations in Neurons with Excitatory or Inhibitory Synapses. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950147.	1.7	12
12	Identifying Time Delay-induced Multiple Synchronous Behaviours in Inhibitory Coupled Bursting Neurons with Nonlinear Dynamics of Single Neuron. <i>Procedia IUTAM</i> , 2017, 22, 160-167.	1.2	9
13	Different dynamical behaviors induced by slow excitatory feedback for type II and III excitabilities. <i>Scientific Reports</i> , 2020, 10, 3646.	3.3	9
14	White-noise-induced double coherence resonances in reduced Hodgkin-Huxley neuron model near subcritical Hopf bifurcation. <i>Physical Review E</i> , 2022, 105, 034408.	2.1	5
15	Inhibitory autapse with time delay induces mixed-mode oscillations related to unstable dynamical behaviors near subcritical Hopf bifurcation. <i>Electronic Research Archive</i> , 2022, 30, 1898-1917.	0.9	3
16	Negative self-feedback induced enhancement and transition of spiking activity for class-3 excitability. <i>Chinese Physics B</i> , 2022, 31, 070506.	1.4	2
17	Transition Between Synchronous Behaviors of Coupled Neurons with Reciprocal Inhibition and Time Delay. <i>Advances in Cognitive Neurodynamics</i> , 2016, , 861-866.	0.1	0