

Chenggui Yao

List of Publications by Year in descending order

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papers

606
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687363

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410
citing authors

#	ARTICLE	IF	CITATIONS
1	Signal transmission by vibrational resonance in one-way coupled bistable systems. <i>Physical Review E</i> , 2010, 81, 061129.	2.1	83
2	The infinite-scroll attractor and energy transition in chaotic circuit. <i>Nonlinear Dynamics</i> , 2016, 84, 2305-2315.	5.2	53
3	Inhibitory-autapse-enhanced signal transmission in neural networks. <i>Nonlinear Dynamics</i> , 2019, 97, 1425-1437.	5.2	48
4	Eliminating delay-induced oscillation death by gradient coupling. <i>Physical Review E</i> , 2010, 82, 056203.	2.1	44
5	Complete synchronization induced by disorder in coupled chaotic lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 370-377.	2.1	42
6	Frequency-resonance-enhanced vibrational resonance in bistable systems. <i>Physical Review E</i> , 2011, 83, 061122.	2.1	37
7	Enhanced multiple vibrational resonances by Na ⁺ and K ⁺ dynamics in a neuron model. <i>Scientific Reports</i> , 2015, 5, 7684.	3.3	22
8	Effect of Dynamic Interaction between microRNA and Transcription Factor on Gene Expression. <i>BioMed Research International</i> , 2016, 2016, 1-10.	1.9	21
9	Transmission and detection of biharmonic envelope signal in a feed-forward multilayer neural network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 797-806.	2.6	19
10	Spatiotemporal dynamics in excitable homogeneous random networks composed of periodically self-sustained oscillation. <i>Scientific Reports</i> , 2017, 7, 11885.	3.3	17
11	The effect of process delay on dynamical behaviors in a self-feedback nonlinear oscillator. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 39, 99-107.	3.3	16
12	The effect of oxygen concentration on the coupled neurons: Rich spiking patterns and synchronization. <i>Science China Technological Sciences</i> , 2020, 63, 2339-2348.	4.0	16
13	Spontaneous Oscillations and Synchronization of Active Droplets on a Water Surface via Marangoni Convection. <i>Langmuir</i> , 2017, 33, 12362-12368.	3.5	14
14	Transmission of pacemaker signal in a small world neuronal networks: temperature effects. <i>Nonlinear Dynamics</i> , 2021, 106, 2547-2557.	5.2	13
15	Resonance induced by a spatially periodic force in the reaction-diffusion system. <i>Physical Review E</i> , 2015, 91, 052901.	2.1	11
16	Insensitivity of synchronization to network structure in chaotic pendulum systems with time-delay coupling. <i>Chaos</i> , 2017, 27, 126702.	2.5	11
17	Synchronization and multistability in the coupled neurons with propagation and processing delays. <i>Nonlinear Dynamics</i> , 2020, 101, 2401-2411.	5.2	11
18	Resonance in an ensemble of excitable reaction-diffusion systems under spatially periodic force. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 467, 184-191.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Winfree loop sustained oscillation in two-dimensional excitable lattices: Prediction and realization. <i>Chaos</i> , 2019, 29, 073106.	2.5	10
20	Simple electronic circuit model for diversity-induced resonance. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2446-2451.	2.1	9
21	Spatiotemporal stochastic resonance in a bistable FitzHugh-Nagumo ring with phase-repulsive coupling. <i>European Physical Journal B</i> , 2011, 84, 299-305.	1.5	9
22	Spiking patterns of a neuron model to stimulus: Rich dynamics and oxygen's role. <i>Chaos</i> , 2018, 28, 083112.	2.5	9
23	Enhanced vibrational resonance in a single neuron with chemical autapse for signal detection*. <i>Chinese Physics B</i> , 2020, 29, 128702.	1.4	9
24	The study of amplitude death in globally delay-coupled nonidentical systems based on order parameter expansion. <i>Chaos</i> , 2012, 22, 023149.	2.5	7
25	Time delay induced different synchronization patterns in repulsively coupled chaotic oscillators. <i>Chaos</i> , 2013, 23, 033140.	2.5	7
26	Anormal diffusion enhancement of resonant responses for coupled oscillator networks to weak signals. <i>Chaos</i> , 2020, 30, 083120.	2.5	7
27	Collective dynamics induced by diversity taken from two-point distribution in globally coupled chaotic oscillators. <i>Nonlinear Dynamics</i> , 2014, 75, 17-26.	5.2	6
28	Synchronization performance in time-delayed random networks induced by diversity in system parameter. <i>Chinese Physics B</i> , 2018, 27, 108902.	1.4	6
29	The optimal oscillation mode in excitable small-world networks. <i>Europhysics Letters</i> , 2020, 131, 38002.	2.0	6
30	Perturbation analysis and comparison of network synchronization methods. <i>Physical Review E</i> , 2019, 99, 052207.	2.1	5
31	An Algorithm for Finding the Singleton Attractors and Pre-Images in Strong-Inhibition Boolean Networks. <i>PLoS ONE</i> , 2016, 11, e0166906.	2.5	5
32	Stability of amplitude death in conjugate-coupled nonlinear oscillator networks. <i>Applied Mathematics Letters</i> , 2022, 131, 108052.	2.7	5
33	Eliminating amplitude death by the asymmetry coupling and process delay in coupled oscillators. <i>European Physical Journal B</i> , 2016, 89, 1.	1.5	4
34	Constructing backbone network by using tinker algorithm. <i>Frontiers of Physics</i> , 2017, 12, 1.	5.0	3
35	Oscillation behavior driven by processing delay in diffusively coupled inactive systems: Cluster synchronization and multistability. <i>Chaos</i> , 2020, 30, 123137.	2.5	3
36	A Chimera Oscillatory State in a Globally Delay-Coupled Oscillator Network. <i>Complexity</i> , 2020, 2020, 1-11.	1.6	3

#	ARTICLE	IF	CITATIONS
37	Temperature-optimized propagation of synchronous firing rate in a feed-forward multilayer neuronal network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 596, 127139.	2.6	3
38	Stability of multiple attractors in the unidirectionally coupled circular networks of limit cycle oscillators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 111, 106456.	3.3	2