

Fang Han

List of Publications by Year in descending order

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39
papers

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217
citing authors

#	ARTICLE	IF	CITATIONS
1	EXCITEMENT AND SYNCHRONIZATION OF SMALL-WORLD NEURONAL NETWORKS WITH SHORT-TERM SYNAPTIC PLASTICITY. <i>International Journal of Neural Systems</i> , 2011, 21, 415-425.	5.2	33
2	Robust synchronization of bursting Hodgkin-Huxley neuronal systems coupled by delayed chemical synapses. <i>International Journal of Non-Linear Mechanics</i> , 2015, 70, 105-111.	2.6	28
3	Chaotic burst synchronization in heterogeneous small-world neuronal network with noise. <i>International Journal of Non-Linear Mechanics</i> , 2009, 44, 298-303.	2.6	23
4	Dependency analysis of frequency and strength of gamma oscillations on input difference between excitatory and inhibitory neurons. <i>Cognitive Neurodynamics</i> , 2021, 15, 501-515.	4.0	16
5	Global firing rate contrast enhancement in E/I neuronal networks by recurrent synchronized inhibition. <i>Chaos</i> , 2018, 28, 106324.	2.5	15
6	Model-based optogenetic stimulation to regulate beta oscillations in Parkinsonian neural networks. <i>Cognitive Neurodynamics</i> , 2022, 16, 667-681.	4.0	15
7	Low-Power and Tunable-Performance Biomemristor Based on Silk Fibroin. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3459-3468.	5.2	14
8	Fabric Weave Pattern and Yarn Color Recognition and Classification Using a Deep ELM Network. <i>Algorithms</i> , 2017, 10, 117.	2.1	12
9	A review of computational models for gamma oscillation dynamics: from spiking neurons to neural masses. <i>Nonlinear Dynamics</i> , 2022, 108, 1849-1866.	5.2	12
10	Robust Synchronization in an E/I Network with Medium Synaptic Delay and High Level of Heterogeneity. <i>Chinese Physics Letters</i> , 2015, 32, 040502.	3.3	11
11	A Novel Intermittent Jumping Coupled Map Lattice Based on Multiple Chaotic Maps. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3797.	2.5	10
12	Music Genre Classification Using Independent Recurrent Neural Network. , 2018, , .		8
13	Solving Inverse Kinematics Model for 7-DoF Robot Arms Based on Space Vector. , 2018, , .		8
14	Time delay system identification using controlled recurrent neural network and discrete bayesian optimization. <i>Applied Intelligence</i> , 2022, 52, 8351-8371.	5.3	8
15	Epileptogenic Zone Location of Temporal Lobe Epilepsy by Cross-Frequency Coupling Analysis. <i>Frontiers in Neurology</i> , 2021, 12, 764821.	2.4	8
16	A novel time-event-driven algorithm for simulating spiking neural networks based on circular array. <i>Neurocomputing</i> , 2018, 292, 121-129.	5.9	7
17	Bifurcation Analysis and Probabilistic Energy Landscapes of Two-Component Genetic Network. <i>IEEE Access</i> , 2020, 8, 150696-150708.	4.2	6
18	Beta-band bursting activity in computational model of heterogeneous external globus pallidus circuits. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 110, 106388.	3.3	6

#	ARTICLE	IF	CITATIONS
19	A new regime for highly robust gamma oscillation with co-exist of accurate and weak synchronization in excitatory&inhibitory networks. Cognitive Neurodynamics, 2014, 8, 335-344.	4.0	5
20	Optimum neural tuning curves for information efficiency with rate coding and finite-time window. Frontiers in Computational Neuroscience, 2015, 9, 67.	2.1	4
21	A novel parallel clock-driven algorithm for simulation of neuronal networks based on virtual synapse. Simulation, 2020, 96, 415-427.	1.8	4
22	A PCC-Ensemble-TCN model for wind turbine icing detection using class-imbalanced and label-missing SCADA data. International Journal of Distributed Sensor Networks, 2021, 17, 155014772110577.	2.2	4
23	Rhythmic Oscillations of Excitatory Bursting Hodgkin-Huxley Neuronal Network with Synaptic Learning. Computational Intelligence and Neuroscience, 2016, 2016, 1-8.	1.7	3
24	Determine Neuronal Tuning Curves by Exploring Optimum Firing Rate Distribution for Information Efficiency. Frontiers in Computational Neuroscience, 2017, 11, 10.	2.1	3
25	Image Error Concealment Based on Deep Neural Network. Algorithms, 2019, 12, 82.	2.1	3
26	Enhanced Multi-Dimensional and Multi-Grained Cascade Forest for Cloud/Snow Recognition Using Multispectral Satellite Remote Sensing Imagery. IEEE Access, 2021, 9, 131072-131086.	4.2	3
27	High-Frequency Synchronization Improves Firing Rate Contrast and Information Transmission Efficiency in E/I Neuronal Networks. Neural Plasticity, 2020, 2020, 1-11.	2.2	2
28	Enhancement of gamma oscillations in E/I neural networks by increase of difference between external inputs. Electronic Research Archive, 2021, 29, 3227-3241.	0.9	2
29	Dynamical mechanisms of a monolayer binocular rivalry model with fixed and time-dependent stimuli. Nonlinear Dynamics, 2021, 106, 927-944.	5.2	2
30	Progressively Inpainting Images Based on a Forked-Then-Fused Decoder Network. Sensors, 2021, 21, 6336.	3.8	2
31	Transition of Chimera States and Synchronization in Two-Layer Networks of Coupled Hindmarsh-Rose Neurons. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	2
32	Synaptic Role in Facilitating Synchronous Theta Oscillations in a Hybrid Hippocampal Neuronal Network. Frontiers in Computational Neuroscience, 2022, 16, 791189.	2.1	2
33	Visual netlogo-based simulation of anti-SARS immune system and low-to-high resolution reconstruction of sequence medical ct images anti-sars CT. , 2015, , .		1
34	A New Analytical Inverse Kinematics Model for Seven Degrees of Freedom Redundant Manipulators. , 2019, , .		1
35	Bifurcation analysis for two coupled Fitzhugh-Nagumo neurons. , 2011, , .		0
36	Excitement and synchronization of electrically coupled small-world neuronal network with synaptic plasticity. , 2011, , .		0

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37	Pattern dynamics in telegraph reaction diffusion. Theoretical and Applied Mechanics Letters, 2018, 8, 355-360.	2.8	0
38	Synchronization of diffusively coupled chaotic neuronal networks. , 2014, , .		0
39	Regeneration of Gamma Oscillations in Large-scale Neural Network with Complicated Structure Based on CUDA. , 2020, , .		0