Zhijie Wang

List of Publications by Year
in descending order

51	548	759233	713466
papers	citations	12	21
		h-index	g-index

51	51	51	486
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automatic Fish Species Classification Using Deep Convolutional Neural Networks. Wireless Personal Communications, 2021, 116, 1043-1053.	2.7	56
2	In situ growth of hierarchical boehmite on 2024 aluminum alloy surface as superhydrophobic materials. RSC Advances, 2014, 4, 14708-14714.	3.6	55
3	Woven Fabric Pattern Recognition and Classification Based on Deep Convolutional Neural Networks. Electronics (Switzerland), 2020, 9, 1048.	3.1	39
4	EXCITEMENT AND SYNCHRONIZATION OF SMALL-WORLD NEURONAL NETWORKS WITH SHORT-TERM SYNAPTIC PLASTICITY. International Journal of Neural Systems, 2011, 21, 415-425.	5.2	33
5	Adaptive Exponential Synchronization of Multislave Time-Delayed Recurrent Neural Networks With LÃ©vy Noise and Regime Switching. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2885-2898.	11.3	32
6	Robust synchronization of bursting Hodgkinâ€"Huxley neuronal systems coupled by delayed chemical synapses. International Journal of Non-Linear Mechanics, 2015, 70, 105-111.	2.6	28
7	Dynamic depression control of chaotic neural networks for associative memory. Neurocomputing, 2010, 73, 776-783.	5.9	27
8	Mean square synchronization of neural networks with LÃ©vy noise via sampled-data and actuator saturating controller. Neurocomputing, 2016, 173, 1235-1244.	5.9	23
9	Facile seed-assisted hydrothermal fabrication of Î³-AlOOH nanoflake films with superhydrophobicity. New Journal of Chemistry, 2014, 38, 1321.	2.8	22
10	A New Recurrent Plug-and-Play Prior Based on the Multiple Self-Similarity Network. IEEE Signal Processing Letters, 2020, 27, 451-455.	3.6	17
11	Dependency analysis of frequency and strength of gamma oscillations on input difference between excitatory and inhibitory neurons. Cognitive Neurodynamics, 2021, 15, 501-515.	4.0	16
12	Global firing rate contrast enhancement in E/I neuronal networks by recurrent synchronized inhibition. Chaos, 2018, 28, 106324.	2.5	15
13	Temporal association based on dynamic depression synapses and chaotic neurons. Neurocomputing, 2011, 74, 3242-3247.	5.9	12
14	Fabric Weave Pattern and Yarn Color Recognition and Classification Using a Deep ELM Network. Algorithms, 2017, 10, 117.	2.1	12
15	Bangladeshi Native Vehicle Classification Based on Transfer Learning with Deep Convolutional Neural Network. Sensors, 2021, 21, 7545.	3.8	12
16	Pattern Formation and Oscillations in Reactionâ€"Diffusion Model with p53-Mdm2 Feedback Loop. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1930040.	1.7	11
17	Parallel Correlation Filters for Real-Time Visual Tracking. Sensors, 2019, 19, 2362.	3.8	10
18	A Novel Intermittent Jumping Coupled Map Lattice Based on Multiple Chaotic Maps. Applied Sciences (Switzerland), 2021, 11, 3797.	2.5	10

#	Article	IF	Citations
19	AN ASSOCIATIVE NETWORK WITH CHAOTIC NEURONS AND DYNAMIC SYNAPSES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3085-3097.	1.7	9
20	Adaptive almost sure asymptotically stability for neutral-type neural networks with stochastic perturbation and Markovian switching. Neurocomputing, 2015, 156, 151-156.	5.9	8
21	Music Genre Classification Using Independent Recurrent Neural Network. , 2018, , .		8
22	Solving Inverse Kinematics Model for 7-DoF Robot Arms Based on Space Vector. , 2018, , .		8
23	Pattern dynamics of the reaction-diffusion immune system. PLoS ONE, 2018, 13, e0190176.	2.5	8
24	Time delay system identification using controlled recurrent neural network and discrete bayesian optimization. Applied Intelligence, 2022, 52, 8351-8371.	5.3	8
25	A novel time-event-driven algorithm for simulating spiking neural networks based on circular array. Neurocomputing, 2018, 292, 121-129.	5.9	7
26	Effect of inhibitory feedback on correlated firing of spiking neural network. Cognitive Neurodynamics, 2013, 7, 325-331.	4.0	6
27	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
28	Turing Bifurcation and Pattern Formation of Stochastic Reaction-Diffusion System. Advances in Mathematical Physics, 2017, 2017, 1-9.	0.8	5
29	Dynamic Prediction of the Silicon Content in the Blast Furnace using LSTM-RNN-Based Models. , 2018, , .		5
30	Dynamics of a continuous-valued discrete-time Hopfield neural network with synaptic depression. Neurocomputing, 2007, 71, 181-190.	5.9	4
31	A novel parallel clock-driven algorithm for simulation of neuronal networks based on virtual synapse. Simulation, 2020, 96, 415-427.	1.8	4
32	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
33	Rhythmic Oscillations of Excitatory Bursting Hodkin-Huxley Neuronal Network with Synaptic Learning. Computational Intelligence and Neuroscience, 2016, 2016, 1-8.	1.7	3
34	Determine Neuronal Tuning Curves by Exploring Optimum Firing Rate Distribution for Information Efficiency. Frontiers in Computational Neuroscience, 2017, 11, 10.	2.1	3
35	Image Error Concealment Based on Deep Neural Network. Algorithms, 2019, 12, 82.	2.1	3
36	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

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37	Rapid gesture recognition for robert navigation. , 2013, , .		2
38	Sequence memory based on an oscillatory neural network. Science China Information Sciences, 2014, 57, 1-12.	4.3	2
39	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
40	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
41	Dynamical mechanisms of a monolayer binocular rivalry model with fixed and time-dependent stimuli. Nonlinear Dynamics, 2021, 106, 927-944.	5.2	2
42	Automatic Recognition and Classification of Granite Tiles Using Convolutional Neural Networks (CNN). , 2019, , .		2
43	Research on Optimal Motion Decision and Trajectory Generation for Table Tennis Robot. , 2021, , .		2
44	Effect of Synaptic Plasticity on Correlation between Neural Spike Trains. , 2010, , .		1
45	Dynamic Prediction of the Silicon Content in the Blast Furnace Using LSTM-RNN Based Models. , 2017, , .		1
46	A New Analytical Inverse Kinematics Model for Seven Degrees of Freedom Redundant Manipulators. , 2019, , .		1
47	Portfolio Strategy of Financial Market with Regime Switching Driven by Geometric LÃ©vy Process. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.7	0
48	Brain Tumor Segmentation on MR Images Using Anisotropic Deeply Supervised Convolutional Neural Network. , 2018, , .		0
49	Pattern dynamics in telegraph reaction diffusion. Theoretical and Applied Mechanics Letters, 2018, 8, 355-360.	2.8	0
50	Synchronization of diffusively coupled chaotic neuronal networks. , 2014, , .		0
51	Regeneration of Gamma Oscillations in Large-scale Neural Network with Complicated Structure Based on CUDA. , 2020, , .		0