

# Zhijie Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

548  
citations

759233

12  
h-index

713466

21  
g-index

51  
all docs

51  
docs citations

51  
times ranked

486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time delay system identification using controlled recurrent neural network and discrete bayesian optimization. Applied Intelligence, 2022, 52, 8351-8371.	5.3	8
2	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
3	Automatic Fish Species Classification Using Deep Convolutional Neural Networks. Wireless Personal Communications, 2021, 116, 1043-1053.	2.7	56
4	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
5	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
6	A Novel Intermittent Jumping Coupled Map Lattice Based on Multiple Chaotic Maps. Applied Sciences (Switzerland), 2021, 11, 3797.	2.5	10
7	Dynamical mechanisms of a monolayer binocular rivalry model with fixed and time-dependent stimuli. Nonlinear Dynamics, 2021, 106, 927-944.	5.2	2
8	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
9	Bangladeshi Native Vehicle Classification Based on Transfer Learning with Deep Convolutional Neural Network. Sensors, 2021, 21, 7545.	3.8	12
10	Research on Optimal Motion Decision and Trajectory Generation for Table Tennis Robot. , 2021, , .		2
11	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
12	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
13	Woven Fabric Pattern Recognition and Classification Based on Deep Convolutional Neural Networks. Electronics (Switzerland), 2020, 9, 1048.	3.1	39
14	A novel parallel clock-driven algorithm for simulation of neuronal networks based on virtual synapse. Simulation, 2020, 96, 415-427.	1.8	4
15	Regeneration of Gamma Oscillations in Large-scale Neural Network with Complicated Structure Based on CUDA. , 2020, , .		0
16	Parallel Correlation Filters for Real-Time Visual Tracking. Sensors, 2019, 19, 2362.	3.8	10
17	Image Error Concealment Based on Deep Neural Network. Algorithms, 2019, 12, 82.	2.1	3
18	A New Analytical Inverse Kinematics Model for Seven Degrees of Freedom Redundant Manipulators. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Pattern Formation and Oscillations in Reaction-Diffusion Model with p53-Mdm2 Feedback Loop. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1930040.	1.7	11
20	Automatic Recognition and Classification of Granite Tiles Using Convolutional Neural Networks (CNN)., 2019, , .		2
21	A novel time-event-driven algorithm for simulating spiking neural networks based on circular array. Neurocomputing, 2018, 292, 121-129.	5.9	7
22	Brain Tumor Segmentation on MR Images Using Anisotropic Deeply Supervised Convolutional Neural Network. , 2018, , .		0
23	Music Genre Classification Using Independent Recurrent Neural Network. , 2018, , .		8
24	Global firing rate contrast enhancement in E/I neuronal networks by recurrent synchronized inhibition. Chaos, 2018, 28, 106324.	2.5	15
25	Pattern dynamics in telegraph reaction diffusion. Theoretical and Applied Mechanics Letters, 2018, 8, 355-360.	2.8	0
26	Solving Inverse Kinematics Model for 7-DoF Robot Arms Based on Space Vector. , 2018, , .		8
27	Dynamic Prediction of the Silicon Content in the Blast Furnace using LSTM-RNN-Based Models. , 2018, , .		5
28	Pattern dynamics of the reaction-diffusion immune system. PLoS ONE, 2018, 13, e0190176.	2.5	8
29	Adaptive Exponential Synchronization of Multislave Time-Delayed Recurrent Neural Networks With Lévy Noise and Regime Switching. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2885-2898.	11.3	32
30	Dynamic Prediction of the Silicon Content in the Blast Furnace Using LSTM-RNN Based Models. , 2017, , .		1
31	Fabric Weave Pattern and Yarn Color Recognition and Classification Using a Deep ELM Network. Algorithms, 2017, 10, 117.	2.1	12
32	Determine Neuronal Tuning Curves by Exploring Optimum Firing Rate Distribution for Information Efficiency. Frontiers in Computational Neuroscience, 2017, 11, 10.	2.1	3
33	Turing Bifurcation and Pattern Formation of Stochastic Reaction-Diffusion System. Advances in Mathematical Physics, 2017, 2017, 1-9.	0.8	5
34	Rhythmic Oscillations of Excitatory Bursting Hodgkin-Huxley Neuronal Network with Synaptic Learning. Computational Intelligence and Neuroscience, 2016, 2016, 1-8.	1.7	3
35	Mean square synchronization of neural networks with Lévy noise via sampled-data and actuator saturating controller. Neurocomputing, 2016, 173, 1235-1244.	5.9	23
36	Robust synchronization of bursting Hodgkin-Huxley neuronal systems coupled by delayed chemical synapses. International Journal of Non-Linear Mechanics, 2015, 70, 105-111.	2.6	28

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37	Adaptive almost sure asymptotically stability for neutral-type neural networks with stochastic perturbation and Markovian switching. <i>Neurocomputing</i> , 2015, 156, 151-156.	5.9	8
38	Portfolio Strategy of Financial Market with Regime Switching Driven by Geometric Lévy Process. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-9.	0.7	0
39	Sequence memory based on an oscillatory neural network. <i>Science China Information Sciences</i> , 2014, 57, 1-12.	4.3	2
40	Facile seed-assisted hydrothermal fabrication of $\text{Al}^{3+}$ -AIOOH nanoflake films with superhydrophobicity. <i>New Journal of Chemistry</i> , 2014, 38, 1321.	2.8	22
41	In situ growth of hierarchical boehmite on 2024 aluminum alloy surface as superhydrophobic materials. <i>RSC Advances</i> , 2014, 4, 14708-14714.	3.6	55
42	A new regime for highly robust gamma oscillation with co-exist of accurate and weak synchronization in excitatory-inhibitory networks. <i>Cognitive Neurodynamics</i> , 2014, 8, 335-344.	4.0	5
43	Synchronization of diffusively coupled chaotic neuronal networks. , 2014, , .		0
44	Effect of inhibitory feedback on correlated firing of spiking neural network. <i>Cognitive Neurodynamics</i> , 2013, 7, 325-331.	4.0	6
45	Rapid gesture recognition for robot navigation. , 2013, , .		2
46	Temporal association based on dynamic depression synapses and chaotic neurons. <i>Neurocomputing</i> , 2011, 74, 3242-3247.	5.9	12
47	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
48	Dynamic depression control of chaotic neural networks for associative memory. <i>Neurocomputing</i> , 2010, 73, 776-783.	5.9	27
49	Effect of Synaptic Plasticity on Correlation between Neural Spike Trains. , 2010, , .		1
50	AN ASSOCIATIVE NETWORK WITH CHAOTIC NEURONS AND DYNAMIC SYNAPSES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 3085-3097.	1.7	9
51	Dynamics of a continuous-valued discrete-time Hopfield neural network with synaptic depression. <i>Neurocomputing</i> , 2007, 71, 181-190.	5.9	4