Junkai Ji

List of Publications by Year
in descending order

46 papers	859 citations	516710 16 h-index
46 all docs	46 docs citations	46 times ranked

501196 28 g-index
391 citing authors

#	Article	IF	Citations
1	An approximate logic neuron model with a dendritic structure. Neurocomputing, 2016, 173, 1775-1783.	5.9	74
2	Self-Adaptive Gravitational Search Algorithm With a Modified Chaotic Local Search. IEEE Access, 2017, 5, 17881-17895.	4.2	67
3	An artificial bee colony algorithm search guided by scale-free networks. Information Sciences, 2019, 473, 142-165.	6.9	54
4	A Pruning Neural Network Model in Credit Classification Analysis. Computational Intelligence and Neuroscience, 2018, 2018, 1-22.	1.7	49
5	Neurons with Multiplicative Interactions of Nonlinear Synapses. International Journal of Neural Systems, 2019, 29, 1950012.	5.2	49
6	A neuron model with synaptic nonlinearities in a dendritic tree for liver disorders. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 105-115.	1.4	48
7	A multi-objective immune algorithm for intrusion feature selection. Applied Soft Computing Journal, 2020, 95, 106522.	7.2	47
8	A Breast Cancer Classifier Using a Neuron Model with Dendritic Nonlinearity. IEICE Transactions on Information and Systems, 2015, E98.D, 1365-1376.	0.7	43
9	A novel machine learning technique for computer-aided diagnosis. Engineering Applications of Artificial Intelligence, 2020, 92, 103627.	8.1	41
10	Intrusion detection using multi-objective evolutionary convolutional neural network for Internet of Things in Fog computing. Knowledge-Based Systems, 2022, 244, 108505.	7.1	37
11	A Differential Evolution-Oriented Pruning Neural Network Model for Bankruptcy Prediction. Complexity, 2019, 2019, 1-21.	1.6	36
12	Approximate logic neuron model trained by states of matter search algorithm. Knowledge-Based Systems, 2019, 163, 120-130.	7.1	35
13	Evaluating a dendritic neuron model for wind speed forecasting. Knowledge-Based Systems, 2020, 201-202, 106052.	7.1	35
14	Adoption of an improved PSO to explore a compound multi-objective energy function in protein structure prediction. Applied Soft Computing Journal, 2018, 72, 539-551.	7.2	26
15	A novel surrogate-assisted evolutionary algorithm with an uncertainty grouping based infill criterion. Swarm and Evolutionary Computation, 2021, 60, 100787.	8.1	20
16	A Simple Dendritic Neural Network Model-Based Approach for Daily PM2.5 Concentration Prediction. Electronics (Switzerland), 2021, 10, 373.	3.1	18
17	Incorporating a multiobjective knowledge-based energy function into differential evolution for protein structure prediction. Information Sciences, 2020, 540, 69-88.	6.9	15
18	A Novel Memetic Whale Optimization Algorithm for Optimization. Lecture Notes in Computer Science, 2018, , 384-396.	1.3	14

#	Article	IF	Citations
19	Training a dendritic neural model with genetic algorithm for classification problems. , 2016, , .		12
20	Transmission trend of the COVID-19 pandemic predicted by dendritic neural regression. Applied Soft Computing Journal, 2021, 111, 107683.	7.2	12
21	Artificial immune system training algorithm for a dendritic neuron model. Knowledge-Based Systems, 2021, 233, 107509.	7.1	12
22	Single dendritic neuron with nonlinear computation capacity: A case study on XOR problem. , 2015, , .		11
23	Decomposition-based multiobjective optimization with bicriteria assisted adaptive operator selection. Swarm and Evolutionary Computation, 2021, 60, 100790.	8.1	11
24	A survey on dendritic neuron model: Mechanisms, algorithms and practical applications. Neurocomputing, 2022, 489, 390-406.	5.9	11
25	Adopting a dendritic neural model for predicting stock price index movement. Expert Systems With Applications, 2022, 205, 117637.	7.6	10
26	Accuracy Versus Simplification in an Approximate Logic Neural Model. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5194-5207.	11.3	9
27	Forecasting Wind Speed Time Series Via Dendritic Neural Regression. IEEE Computational Intelligence Magazine, 2021, 16, 50-66.	3.2	9
28	SNEGAN: Signed Network Embedding by Using Generative Adversarial Nets. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 136-149.	4.9	8
29	Evolutionary Dendritic Neural Model for Classification Problems. Complexity, 2020, 2020, 1-13.	1.6	7
30	A cuckoo search algorithm with scale-free population topology. Expert Systems With Applications, 2022, 188, 116049.	7.6	7
31	Noninvasive Cuffless Blood Pressure Estimation With Dendritic Neural Regression. IEEE Transactions on Cybernetics, 2023, 53, 4162-4174.	9.5	7
32	A novel motion direction detection mechanism based on dendritic computation of direction-selective ganglion cells. Knowledge-Based Systems, 2022, 241, 108205.	7.1	4
33	Competitive Decomposition-Based Multiobjective Architecture Search for the Dendritic Neural Model. IEEE Transactions on Cybernetics, 2023, 53, 6829-6842.	9.5	4
34	Decomposition-Based Multiobjective Evolutionary Optimization with Adaptive Multiple Gaussian Process Models. Complexity, 2020, 2020, 1-22.	1.6	3
35	A Novel Angular-Guided Particle Swarm Optimizer for Many-Objective Optimization Problems. Complexity, 2020, 2020, 1-18.	1.6	3
36	Wind Speed Time Series Prediction Using a Single Dendritic Neuron Model. , 2020, , .		3

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37	Galactic Gravitational Search Algorithm for Numerical Optimization. Lecture Notes in Computer Science, 2018, , 397-409.	1.3	2
38	Adaptive Self-Scaling Brain-Storm Optimization via a Chaotic Search Mechanism. Algorithms, 2021, 14, 239.	2.1	2
39	An Adaptive Scaling Cuckoo Search Algorithm. , 2021, , .		1
40	A Self-adaptive Mechanism Embedded Gravitational Search Algorithm. , 2019, , .		1
41	Improving Approximate Logic Neuron Model by Means of a Novel Learning Algorithm. Lecture Notes in Computer Science, 2020, , 484-496.	1.3	1
42	Evolutionary Neural Architecture Design of Liquid State Machine for Image Classification. , 2022, , .		1
43	Feature Selection Using an Improved Multi-objective Immune Algorithm for Intrusion Detection. , 2019, , .		0
44	An Evolutionary Neuron Model with Dendritic Computation for Classification and Prediction. Lecture Notes in Computer Science, 2021, , 18-36.	1.3	0
45	A Novel Plastic Neural Model with Dendritic Computation for Classification Problems. Lecture Notes in Computer Science, 2020, , 471-483.	1.3	0
46	Network Intrusion Detection by an Approximate Logic Neural Model. , 2021, , .		0