

Junkai Ji

List of Publications by Year in descending order

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all docs

46
docs citations

46
times ranked

391
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive Cuffless Blood Pressure Estimation With Dendritic Neural Regression. IEEE Transactions on Cybernetics, 2023, 53, 4162-4174.	6.2	7
2	Competitive Decomposition-Based Multiobjective Architecture Search for the Dendritic Neural Model. IEEE Transactions on Cybernetics, 2023, 53, 6829-6842.	6.2	4
3	SNEGAN: Signed Network Embedding by Using Generative Adversarial Nets. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 136-149.	3.4	8
4	A cuckoo search algorithm with scale-free population topology. Expert Systems With Applications, 2022, 188, 116049.	4.4	7
5	A novel motion direction detection mechanism based on dendritic computation of direction-selective ganglion cells. Knowledge-Based Systems, 2022, 241, 108205.	4.0	4
6	Intrusion detection using multi-objective evolutionary convolutional neural network for Internet of Things in Fog computing. Knowledge-Based Systems, 2022, 244, 108505.	4.0	37
7	A survey on dendritic neuron model: Mechanisms, algorithms and practical applications. Neurocomputing, 2022, 489, 390-406.	3.5	11
8	Evolutionary Neural Architecture Design of Liquid State Machine for Image Classification. , 2022, , .		1
9	Adopting a dendritic neural model for predicting stock price index movement. Expert Systems With Applications, 2022, 205, 117637.	4.4	10
10	Accuracy Versus Simplification in an Approximate Logic Neural Model. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5194-5207.	7.2	9
11	Decomposition-based multiobjective optimization with bicriteria assisted adaptive operator selection. Swarm and Evolutionary Computation, 2021, 60, 100790.	4.5	11
12	A novel surrogate-assisted evolutionary algorithm with an uncertainty grouping based infill criterion. Swarm and Evolutionary Computation, 2021, 60, 100787.	4.5	20
13	An Evolutionary Neuron Model with Dendritic Computation for Classification and Prediction. Lecture Notes in Computer Science, 2021, , 18-36.	1.0	0
14	A Simple Dendritic Neural Network Model-Based Approach for Daily PM2.5 Concentration Prediction. Electronics (Switzerland), 2021, 10, 373.	1.8	18
15	An Adaptive Scaling Cuckoo Search Algorithm. , 2021, , .		1
16	Forecasting Wind Speed Time Series Via Dendritic Neural Regression. IEEE Computational Intelligence Magazine, 2021, 16, 50-66.	3.4	9
17	Adaptive Self-Scaling Brain-Storm Optimization via a Chaotic Search Mechanism. Algorithms, 2021, 14, 239.	1.2	2
18	Transmission trend of the COVID-19 pandemic predicted by dendritic neural regression. Applied Soft Computing Journal, 2021, 111, 107683.	4.1	12

#	ARTICLE	IF	CITATIONS
19	Artificial immune system training algorithm for a dendritic neuron model. Knowledge-Based Systems, 2021, 233, 107509.	4.0	12
20	Network Intrusion Detection by an Approximate Logic Neural Model. , 2021, , .		0
21	A multi-objective immune algorithm for intrusion feature selection. Applied Soft Computing Journal, 2020, 95, 106522.	4.1	47
22	Evolutionary Dendritic Neural Model for Classification Problems. Complexity, 2020, 2020, 1-13.	0.9	7
23	Incorporating a multiobjective knowledge-based energy function into differential evolution for protein structure prediction. Information Sciences, 2020, 540, 69-88.	4.0	15
24	Decomposition-Based Multiobjective Evolutionary Optimization with Adaptive Multiple Gaussian Process Models. Complexity, 2020, 2020, 1-22.	0.9	3
25	A Novel Angular-Guided Particle Swarm Optimizer for Many-Objective Optimization Problems. Complexity, 2020, 2020, 1-18.	0.9	3
26	A novel machine learning technique for computer-aided diagnosis. Engineering Applications of Artificial Intelligence, 2020, 92, 103627.	4.3	41
27	Evaluating a dendritic neuron model for wind speed forecasting. Knowledge-Based Systems, 2020, 201-202, 106052.	4.0	35
28	Improving Approximate Logic Neuron Model by Means of a Novel Learning Algorithm. Lecture Notes in Computer Science, 2020, , 484-496.	1.0	1
29	A Novel Plastic Neural Model with Dendritic Computation for Classification Problems. Lecture Notes in Computer Science, 2020, , 471-483.	1.0	0
30	Wind Speed Time Series Prediction Using a Single Dendritic Neuron Model. , 2020, , .		3
31	A Differential Evolution-Oriented Pruning Neural Network Model for Bankruptcy Prediction. Complexity, 2019, 2019, 1-21.	0.9	36
32	Neurons with Multiplicative Interactions of Nonlinear Synapses. International Journal of Neural Systems, 2019, 29, 1950012.	3.2	49
33	Feature Selection Using an Improved Multi-objective Immune Algorithm for Intrusion Detection. , 2019, , .		0
34	Approximate logic neuron model trained by states of matter search algorithm. Knowledge-Based Systems, 2019, 163, 120-130.	4.0	35
35	An artificial bee colony algorithm search guided by scale-free networks. Information Sciences, 2019, 473, 142-165.	4.0	54
36	A Self-adaptive Mechanism Embedded Gravitational Search Algorithm. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	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.	4.1	26
38	A Pruning Neural Network Model in Credit Classification Analysis. Computational Intelligence and Neuroscience, 2018, 2018, 1-22.	1.1	49
39	Galactic Gravitational Search Algorithm for Numerical Optimization. Lecture Notes in Computer Science, 2018, , 397-409.	1.0	2
40	A Novel Memetic Whale Optimization Algorithm for Optimization. Lecture Notes in Computer Science, 2018, , 384-396.	1.0	14
41	A neuron model with synaptic nonlinearities in a dendritic tree for liver disorders. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 105-115.	0.8	48
42	Self-Adaptive Gravitational Search Algorithm With a Modified Chaotic Local Search. IEEE Access, 2017, 5, 17881-17895.	2.6	67
43	An approximate logic neuron model with a dendritic structure. Neurocomputing, 2016, 173, 1775-1783.	3.5	74
44	Training a dendritic neural model with genetic algorithm for classification problems. , 2016, , .		12
45	Single dendritic neuron with nonlinear computation capacity: A case study on XOR problem. , 2015, , .		11
46	A Breast Cancer Classifier Using a Neuron Model with Dendritic Nonlinearity. IEICE Transactions on Information and Systems, 2015, E98.D, 1365-1376.	0.4	43