Zheng Tang

List of Publications by Year
in descending order

60	376	759233	839539
papers	citations	12	18
		h-index	g-index
60	60	60	164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial Visual System for Orientation Detection. Electronics (Switzerland), 2022, 11, 568.	3.1	1
2	A Simple Dendritic Neural Network Model-Based Approach for Daily PM2.5 Concentration Prediction. Electronics (Switzerland), 2021, 10, 373.	3.1	18
3	The Mechanism of Orientation Detection Based on Dendritic Neuron. , 2021, , .		1
4	Application of a Fast RCNN Based on Upper and Lower Layers in Face Recognition. Computational Intelligence and Neuroscience, 2021, 2021, 1-12.	1.7	7
5	Proteinâ€"ligand docking using differential evolution with an adaptive mechanism. Knowledge-Based Systems, 2021, 231, 107433.	7.1	6
6	Single Dendritic Neural Classification with Functional Weight-enhanced Differential Evolution. , 2021, , .		0
7	A Two-Stage Method Based on Multiobjective Differential Evolution for Gene Selection. Computational Intelligence and Neuroscience, 2021, 2021, 1-16.	1.7	0
8	A Novel Spherical Search Based Grey Wolf Optimizer for Optimization Problems. , 2020, , .		1
9	A Spherical Search-based Archive Update Mechanism for Self-adaptive Differential Evolution. , 2020, , .		0
10	A Hybrid Spherical Evolution and Particle Swarm Optimization Algorithm. , 2020, , .		2
11	Incorporating a multiobjective knowledge-based energy function into differential evolution for protein structure prediction. Information Sciences, 2020, 540, 69-88.	6.9	15
12	A Sine Cosine Algorithm Enhanced Spherical Evolution for Continuous Optimization Problems. , 2020, , .		3
13	Differential Evolution-Based Wingsuit Flying Search for Optimization. , 2020, , .		2
14	Training an Approximate Logic Dendritic Neuron Model Using Social Learning Particle Swarm Optimization Algorithm. IEEE Access, 2019, 7, 141947-141959.	4.2	15
15	A Differential Evolution-Oriented Pruning Neural Network Model for Bankruptcy Prediction. Complexity, 2019, 2019, 1-21.	1.6	36
16	Complete receptor editing operation based on quantum clonal selection algorithm for optimization problems. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 411-421.	1.4	5
17	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
18	A Hybrid Discrete Imperialist Competition Algorithm for Gene Selection for Microarray Data. Current Proteomics, 2018, 15, 99-110.	0.3	8

#	Article	IF	Citations
19	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
20	Statistical Modeling and Prediction for Tourism Economy Using Dendritic Neural Network. Computational Intelligence and Neuroscience, 2017, 2017, 1-9.	1.7	28
21	TongSACOM: A TongYiCiCiLin and Sequence Alignment-Based Ontology Mapping Model for Chinese Linked Open Data. IEICE Transactions on Information and Systems, 2017, E100.D, 1251-1261.	0.7	4
22	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
23	A Multi-Learning Immune Algorithm for Numerical Optimization. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 362-377.	0.3	12
24	Visual synchronization analysis of simple color stimuli. , 2012, , .		0
25	Animacy Estimation of Moving Objects by Locomotion Analysis. Transactions of Japan Society of Kansei Engineering, 2011, 10, 465-471.	0.1	0
26	Improved pattern recognition with complex artificial immune system. Soft Computing, 2009, 13, 1209-1217.	3.6	14
27	ANNEALED CHAOTIC LEARNING FOR TIME SERIES PREDICTION IN IMPROVED NEURO-FUZZY NETWORK WITH FEEDBACKS. International Journal of Computational Intelligence and Applications, 2009, 08, 429-444.	0.8	2
28	Quantum Interference Crossover-Based Clonal Selection Algorithm and Its Application to Traveling Salesman Problem. IEICE Transactions on Information and Systems, 2009, E92-D, 78-85.	0.7	18
29	A Novel Maximum Neural Network with Stochastic Dynamics for N-Queens Problems. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 459-466.	0.2	0
30	An efficient Elastic Net method for edge linking of images. , 2008, , .		0
31	Recurrent type ANFIS using local search technique for time series prediction. , 2008, , .		10
32	A Fast Elastic Net Method for Traveling Salesman Problem. , 2008, , .		4
33	A Method of Solving Scheduling Problems Using Improved Guided Genetic Algorithm. IEEJ Transactions on Electronics, Information and Systems, 2008, 128, 1351-1357.	0.2	2
34	An Improved Maximum Neural Network with Stochastic Dynamics Characteristic for Maximum Clique Problem. IEEJ Transactions on Electronics, Information and Systems, 2008, 128, 94-100.	0.2	0
35	An Improved Algorithm for Eleman Neural Network to Avoid the Local Minima Problem. , 2007, , .		0
36	An Improved Artificial Immune System (AIS) by Considering Different Affinities among Th Cells and Antigens. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 389-396.	0.2	0

#	ARTICLE	IF	CITATIONS
37	An immune network with TH cell function and its applications to pattern recognition. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq1 1 0.784314 rgBT /Overl	0.2	0
38	Maximum Neural Network with Nonlinear Self-Feedback and Its Application to Maximum Independent Set Problem. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 314-320.	0.2	0
39	An Efficient Neural Algorithm for Two-layer Planarization Problem in Graph Drawing. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 471-477.	0.2	0
40	An Efficient Algorithm for Minimum Vertex Cover Problem. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 1494-1499.	0.2	0
41	A Modified Hopfield Neural Network for the Minimum Vertex Cover Problem. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 2155-2161.	0.2	0
42	A Neural-based Algorithm for Topological Via-minimization Problem. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 1305-1311.	0.2	1
43	A Learning Algorithm of Elastic Net for Multiple Traveling Salesmen Problem. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 1312-1318.	0.2	0
44	Genetic Algorithms with Local Minimum Escaping Technique. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 1918-1919.	0.2	0
45	A Fast and Reliable Approach to TSP using Positively Self-feedbacked Hopfield Networks. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 2353-2358.	0.2	1
46	An Improved Transiently Chaotic Neural Network with Application to the Maximum Clique Problems. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 2162-2168.	0.2	1
47	Two-Phase Pattern Search-based Learning Method for Multi-layer Neural Network. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 842-851.	0.2	0
48	Pattern recognition system using a clonal selection-based immune network. Systems and Computers in Japan, 2003, 34, 56-63.	0.2	6
49	An Algorithm of Supervised Learning for Multilayer Neural Networks. Neural Computation, 2003, 15, 1125-1142.	2.2	11
50	An Efficient Algorithm for Maximum Clique Problem Using Improved Hopfield Neural Network.. IEEJ Transactions on Electronics, Information and Systems, 2003, 123, 362-367.	0.2	0
51	A Method Solving of Constraint Satisfaction Problem by Neural Network with Self-Feedback. IEEJ Transactions on Electronics, Information and Systems, 2003, 123, 1822-1829.	0.2	0
52	A Saturation Computation Method of Artificial Binary Neural Networks for Combinatorial Optimization Problems.. IEEJ Transactions on Electronics, Information and Systems, 2003, 123, 355-361.	0.2	0
53	Learning Method of Hopfield Neural Network and Its Application to Traveling Salesman Problem.. IEEJ Transactions on Electronics, Information and Systems, 2003, 123, 86-92.	0.2	0
54	A Parallel Graph Planarization Algorithm Using Gradient Ascent Learning of Hopfield Network.. IEEJ Transactions on Electronics, Information and Systems, 2003, 123, 414-420.	0.2	0

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55	An Artificial Immune Network with Multi-layered B Cells Architecture. IEEJ Transactions on Electronics, Information and Systems, 2003, 123, 2036-2045.	0.2	1
56	A New Parallel Algorithm Analogous to Elastic Net Method for Bipartite Subgraph Problem. IEEJ Transactions on Electronics, Information and Systems, 2003, 123, 1305-1310.	0.2	0
57	An immune network with interactions between B cells for pattern recognition. Systems and Computers in Japan, 2001, 32, 31-41.	0.2	2
58	A hill-climbing learning method for Hopfield networks. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi), 2001, 84, 28-40.	0.1	0
59	A model of the neuron based on dendrite mechanisms. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi), 2001, 84, 11-24.	0.1	18
60	An artificial immune network with diversity and its applications. , 0, , .		4