Junzhong Ji

List of Publications by Year
in descending order

59 papers	663 citations	759233 12 h-index	677142 22 g-index
59 all docs	59 docs citations	59 times ranked	599 citing authors

#	Article	IF	Citations
1	A Survey on Brain Effective Connectivity Network Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1879-1899.	11.3	7
2	Inferring Effective Connectivity Networks From fMRI Time Series With a Temporal Entropy-Score. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5993-6006.	11.3	10
3	Sparse data augmentation based on encoderforest for brain network classification. Applied Intelligence, 2022, 52, 4317-4329.	5.3	2
4	A novel CNN framework to extract multi-level modular features for the classification of brain networks. Applied Intelligence, 2022, 52, 6835-6852.	5.3	3
5	Convolutional Neural Network With Sparse Strategies to Classify Dynamic Functional Connectivity. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1219-1228.	6.3	4
6	Relation constraint self-attention for image captioning. Neurocomputing, 2022, 501, 778-789.	5.9	8
7	FC–HAT: Hypergraph attention network for functional brain network classification. Information Sciences, 2022, 608, 1301-1316.	6.9	9
8	Convolutional Neural Network With Graphical Lasso to Extract Sparse Topological Features for Brain Disease Classification. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 2327-2338.	3.0	7
9	Convolutional kernels with an element-wise weighting mechanism for identifying abnormal brain connectivity patterns. Pattern Recognition, 2021, 109, 107570.	8.1	18
10	HFADE-FMD: a hybrid approach of fireworks algorithm and differential evolution strategies for functional module detection in protein-protein interaction networks. Applied Intelligence, 2021, 51, 1118-1132.	5.3	7
11	Deep attributed graph clustering with self-separation regularization and parameter-free cluster estimation. Neural Networks, 2021, 142, 522-533.	5.9	4
12	Estimating Effective Connectivity by Recurrent Generative Adversarial Networks. IEEE Transactions on Medical Imaging, 2021, 40, 3326-3336.	8.9	10
13	Learning brain effective connectivity networks via controllable variational autoencoder. , 2021, , .		2
14	Stability analysis of chemotaxis dynamics in bacterial foraging optimization over multi-dimensional objective functions. Soft Computing, 2020, 24, 3711-3725.	3.6	0
15	Deep scaled dot-product attention based domain adaptation model for biomedical question answering. Methods, 2020, 173, 69-74.	3.8	15
16	Spatio-Temporal Memory Attention for Image Captioning. IEEE Transactions on Image Processing, 2020, 29, 7615-7628.	9.8	52
17	EC-GAN: Inferring Brain Effective Connectivity via Generative Adversarial Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 4852-4859.	4.9	12
18	Learning Brain Effective Connectivity Network Structure using Ant Colony Optimization Combining with Voxel Activation Information. IEEE Journal of Biomedical and Health Informatics, 2019, 24, 1-1.	6.3	12

#	Article	IF	Citations
19	Network Representations of Facial and Bodily Expressions: Evidence From Multivariate Connectivity Pattern Classification. Frontiers in Neuroscience, 2019, 13, 1111.	2.8	3
20	Attention-gated LSTM for Image Captioning. , 2019, , .		1
21	Neighbouring Relationship Exploration Based on Graph Convolutional Network for Object Detection. , 2019, , .		0
22	Estimating Brain Effective Connectivity in fMRI data by Non-stationary Dynamic Bayesian Networks. , 2019, , .		4
23	ACOEC-FD: Ant Colony Optimization for Learning Brain Effective Connectivity Networks From Functional MRI and Diffusion Tensor Imaging. Frontiers in Neuroscience, 2019, 13, 1290.	2.8	5
24	Artificial bee colony clustering with self-adaptive crossover and stepwise search for brain functional parcellation in fMRI data. Soft Computing, 2019, 23, 8689-8709.	3.6	3
25	Dynamic brain functional parcellation via sliding window and artificial bee colony algorithm. Applied Intelligence, 2019, 49, 1748-1770.	5.3	4
26	BFO-FMD: bacterial foraging optimization for functional module detection in protein–protein interaction networks. Soft Computing, 2018, 22, 3395-3416.	3.6	4
27	Convolutional Neural Network with Element-wise Filters to Extract Hierarchical Topological Features for Brain Networks. , 2018, , .		28
28	A comparative study on swarm intelligence for structure learning of Bayesian networks. Soft Computing, 2017, 21, 6713-6738.	3.6	11
29	Insula Functional Parcellation from FMRI Data via Improved Artificial Bee-Colony Clustering. Lecture Notes in Computer Science, 2017, , 72-82.	1.3	1
30	Learning Effective Connectivity Network Structure from fMRI Data Based on Artificial Immune Algorithm. PLoS ONE, 2016, 11, e0152600.	2.5	13
31	Bacterial biological mechanisms for functional module detection in PPI networks. , 2016, , .		0
32	Feature selection of fMRI data based on normalized mutual information and fisher discriminant ratio. Journal of X-Ray Science and Technology, 2016, 24, 467-475.	1.0	6
33	An ant colony optimization algorithm for learning brain effective connectivity network from fMRI data. , 2016, , .		1
34	Detecting Functional Modules Based on a Multiple-Grain Model in Large-Scale Protein-Protein Interaction Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 610-622.	3.0	3
35	Bacterial foraging optimization using novel chemotaxis and conjugation strategies. Information Sciences, 2016, 363, 72-95.	6.9	29
36	A Multiagent Evolutionary Method for Detecting Communities in Complex Networks. Computational Intelligence, 2016, 32, 587-614.	3.2	4

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37	Structural learning of Bayesian networks by bacterial foraging optimization. International Journal of Approximate Reasoning, 2016, 69, 147-167.	3.3	38
38	The human brain functional parcellation based on fMRI data. Chinese Science Bulletin, 2016, 61, 2035-2052.	0.7	7
39	ACC-FMD: ant colony clustering for functional module detection in protein-protein interaction networks. International Journal of Data Mining and Bioinformatics, 2015, 11, 331.	0.1	10
40	Ant Colony Clustering Approach Combined with Multilevel Framework for Functional Module Detection in Large-Scale PPI Networks. , 2014, , .		0
41	Survey: Functional Module Detection from Protein-Protein Interaction Networks. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 261-277.	5.7	87
42	Ant colony clustering based on sampling for community detection. , 2014, , .		2
43	Ant colony clustering with fitness perception and pheromone diffusion for community detection in complex networks. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 3260-3272.	2.6	36
44	HAM-FMD: Mining functional modules in protein–protein interaction networks using ant colony optimization and multi-agent evolution. Neurocomputing, 2013, 121, 453-469.	5.9	9
45	An artificial bee colony algorithm for learning Bayesian networks. Soft Computing, 2013, 17, 983-994.	3.6	33
46	Artificial Bee Colony Algorithm Merged with Pheromone Communication Mechanism for the 0-1 Multidimensional Knapsack Problem. Mathematical Problems in Engineering, 2013, 2013, 1-13.	1.1	9
47	Improved Ant Colony Optimization for Detecting Functional Modules in Protein-Protein Interaction Networks. Communications in Computer and Information Science, 2012, , 404-413.	0.5	12
48	An Entropy-Based Multiobjective Evolutionary Algorithm with an Enhanced Elite Mechanism. Applied Computational Intelligence and Soft Computing, 2012, 2012, 1-11.	2.3	11
49	Ant Colony Optimization with Multi-Agent Evolution for Detecting Functional Modules in Protein-Protein Interaction Networks. Lecture Notes in Computer Science, 2012, , 445-453.	1.3	13
50	A hybrid method for learning Bayesian networks based on ant colony optimization. Applied Soft Computing Journal, 2011, 11, 3373-3384.	7.2	33
51	An effective initialization strategy of pheromone for ant colony optimization. , 2009, , .		4
52	A state–of–the–practice study on communication and coordination between chinese software suppliers and their global outsourcers. Software Process Improvement and Practice, 2008, 13, 233-247.	1.1	7
53	A New Mechanism of Pheromone Increment and Diffusion for Solving Travelling Salesman Problems with Ant Colony Algorithm. , 2008, , .		2
54	An Ant Colony Optimization Algorithm for Solving the Multidimensional Knapsack Problems. , 2007, , .		20

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55	An Ant Colony Optimization Algorithm for Learning Classification Rules. , 2006, , .		13
56	PERSONALIZED RECOMMENDATION BASED ON A MULTILEVEL CUSTOMER MODEL. International Journal of Pattern Recognition and Artificial Intelligence, 2005, 19, 895-916.	1.2	7
57	Online recommendation based on customer shopping model in e-commerce. , 0, , .		6
58	Bayesian Networks Structure Learning and Its Application to Personalized Recommendation in a B2C Portal. , 0, , .		1
59	An improved bayesian networks learning algorithm based on independence test and MDL scoring. , 0, , .		1