Xiang-Wei Zheng

List of Publications by Year
in descending order

61 papers	730 citations	567281 15 h-index	580821 25 g-index
62 all docs	62 docs citations	62 times ranked	551 citing authors

#	Article	IF	Citations
1	EEG emotion recognition using fusion model of graph convolutional neural networks and LSTM. Applied Soft Computing Journal, 2021, 100, 106954.	7.2	221
2	Automatic Sleep Stage Classification Based on Convolutional Neural Network and Fine-Grained Segments. Complexity, 2018, 2018, 1-13.	1.6	41
3	A portable HCI systemâ€oriented EEG feature extraction and channel selection for emotion recognition. International Journal of Intelligent Systems, 2021, 36, 152-176.	5.7	39
4	A heuristic survivable virtual network mapping algorithm. Soft Computing, 2019, 23, 1453-1463.	3.6	36
5	Threeâ€dimensional feature maps and convolutional neural networkâ€basedÂemotion recognition. International Journal of Intelligent Systems, 2021, 36, 6312-6336.	5.7	30
6	A cooperative coevolutionary biogeography-based optimizer. Applied Intelligence, 2015, 43, 95-111.	5.3	29
7	3D Non-Stationary Wideband UAV-to-Ground MIMO Channel Models Based on Aeronautic Random Mobility Model. IEEE Transactions on Vehicular Technology, 2021, 70, 11154-11168.	6.3	29
8	Effective algorithms for vertical mining probabilistic frequent patterns in uncertain mobile environments. International Journal of Ad Hoc and Ubiquitous Computing, 2016, 23, 137.	0.5	25
9	A Multidomain Survivable Virtual Network Mapping Algorithm. Security and Communication Networks, 2017, 2017, 1-12.	1.5	25
10	Early diagnosis model of Alzheimerâ€™s disease based on sparse logistic regression with the generalized elastic net. Biomedical Signal Processing and Control, 2021, 66, 102362.	5.7	25
11	An optimized digital watermarking algorithm in wavelet domain based on differential evolution for color image. PLoS ONE, 2018, 13, e0196306.	2.5	22
12	Early diagnosis model of Alzheimerâ€™s Disease based on sparse logistic regression. Multimedia Tools and Applications, 2021, 80, 3969-3980.	3.9	20
13	EEG-Based Mild Depressive Detection Using Differential Evolution. IEEE Access, 2019, 7, 7814-7822.	4.2	19
14	A scalable coevolutionary multi-objective particle swarm optimizer. International Journal of Computational Intelligence Systems, 2010, 3, 590-600.	2.7	17
15	A study on a cooperative character modeling based on an improved NSGA II. Multimedia Tools and Applications, 2016, 75, 4305-4320.	3.9	15
16	A novel consciousness emotion recognition method using ERP components and MMSE. Journal of Neural Engineering, 2021, 18, 046001.	3.5	12
17	A different topology multi-swarm PSO in dynamic environment. , 2009, , .		10
18	Multi-layer Representation Learning and Its Application to Electronic Health Records. Neural Processing Letters, 2021, 53, 1417-1433.	3.2	9

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19	Disease Prediction Model Based on BiLSTM and Attention Mechanism. , 2019, , .		7
20	A Novel Multidimensional Feature Extraction Method Based on VMD and WPD for Emotion Recognition. , 2020, , .		7
21	A Cooperative Dual-swarm PSO for dynamic optimization problems. , 2011, , .		6
22	An RBF neural network–based dynamic virtual network embedding algorithm. Concurrency Computation Practice and Experience, 2019, 31, e4516.	2.2	6
23	A proposal of survivable virtual network embedding algorithm. Journal of High Speed Networks, 2016, 22, 241-251.	0.8	5
24	A Secure Incentive Mechanism for Competitive Organization Data Sharing: A Contract Theoretic Approach. IEEE Access, 2019, 7, 60067-60078.	4.2	5
25	A study on educational data clustering approach based on improved particle swarm optimizer. , 2011, , .		4
26	A Virtual Network Resource Allocation Model Based on Dynamic Resource Pricing. IEEE Access, 2020, 8, 160414-160426.	4.2	4
27	Dynamic resource allocation algorithm of virtual networks in edge computing networks. Personal and Ubiquitous Computing, 2021, 25, 571-586.	2.8	4
28	Emotion Classification Based on Brain Functional Connectivity Network. , 2020, , .		4
29	EEG Emotion Recognition based on Hierarchy Graph Convolution Network. , 2021, , .		4
30	A Proposal for a Cooperative Coevolutionary PSO. , 2007, , .		3
31	A study on cooperative multi-objective group search optimizer. , 2015, , .		3
32	A Virtual Network Embedding Algorithm Based on RBF Neural Network. , 2017, , .		3
33	An Incentive Mechanism for Cross-Organization Data Sharing Based on Data Competitiveness. IEEE Access, 2018, 6, 72836-72844.	4.2	3
34	Collaborative Sleep Electroencephalogram Data Analysis Based on Improved Empirical Mode Decomposition and Clustering Algorithm. Complexity, 2020, 2020, 1-14.	1.6	3
35	Analysis of electronic health records based on long short-term memory. Concurrency Computation Practice and Experience, 2020, 32, e5684.	2.2	3
36	Deep feature extraction via adaptive collaborative learning for drusen segmentation from fundus images. Signal, Image and Video Processing, 2021, 15, 895-902.	2.7	3

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37	An improved fast shapelet selection algorithm and its application to pervasive EEG. Personal and Ubiquitous Computing, 2022, 26, 941-953.	2.8	3
38	Identifiable Temporal Feature Selection via Horizontal Visibility Graph Towards Smart Medical Applications. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 717-730.	3.6	3
39	A Study of Subliminal Emotion Classification Based on Entropy Features. Frontiers in Psychology, 2022, 13, 781448.	2.1	3
40	PFâ€‖TS: Intelligent traffic service recommendation based on DeepAFM model. International Journal of Intelligent Systems, 2022, 37, 7638-7664.	5.7	3
41	A Hybrid Multi-objective Evolutionary Algorithm and Its Application in Component-based Product Design. , 2007, , .		2
42	A study on path planning of crowd animation based on PSO. , 2010, , .		2
43	Design and Application of Virtual Training System for Computer Hardware Assembly. , 2020, , .		2
44	A dynamic and resource sharing virtual network mapping algorithm. Digital Communications and Networks, 2023, 9, 1101-1112.	5.0	2
45	A Study of Web-based Multi-objective Collaborative Design Synthesis and Its Evaluation. , 2007, , .		1
46	A Multi-Objective evaluation based Cooperative Character Modeling System. , 2011, , .		1
47	A teaching quality evaluation system based on PSK-means clustering. , 2012, , .		1
48	A Bidirectional Process Algorithm for Mining Probabilistic Frequent Itemsets. , 2014, , .		1
49	Priority-Oriented Cloud Video Delivery Networks. , 2016, , .		1
50	Multi-Objective Virtual Network Embedding Algorithm Based on Global Resource Capacity. , 2017, , .		1
51	A Novel Color Image Watermarking Algorithm Based on Digital Signature. , 2019, , .		1
52	A Novel Emotion Recognition Method Incorporating MST-based Brain Network and FVMD-GAMPE. , 2021, , .		1
53	Study on the Formation and Evolvement Mechanism in the City System. , 2008, , .		0
54	A Scalable Coevolutionary Particle Swarm Optimizer. , 2008, , .		0

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55	New adaptations of classic algorithm for mining frequent itemsets from uncertain data. , 2014, , .		0
56	Virtual Network Mapping Based on the Prediction of Support Vector Machine. , 2016, , .		0
57	A Study on Automatic Sleep Staging Algorithm Based on Improved SVM. , 2017, , .		0
58	A Sensor Data Processing and Storage Method for Wireless Body Area Networks. , 2019, , .		0
59	Multi-task deep representation learning method for electronic health records. , 2020, , .		0
60	ECG Prediction based on Bidirectional Time Series Chain Discovery Algorithm. , 2021, , .		0
61	A Mild Depression Recognition with Classifier Combination Method Based on Differential Evolution. , 2021, , .		0