

Zhikui Chen

List of Publications by Year in descending order

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84
papers

4,082
citations

172207

29
h-index

118652

62
g-index

85
all docs

85
docs citations

85
times ranked

4352
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey on deep learning for big data. Information Fusion, 2018, 42, 146-157.	11.7	827
2	A Survey on Deep Learning for Multimodal Data Fusion. Neural Computation, 2020, 32, 829-864.	1.3	252
3	A Cooperative Quality-Aware Service Access System for Social Internet of Vehicles. IEEE Internet of Things Journal, 2018, 5, 2506-2517.	5.5	241
4	Privacy Preserving Deep Computation Model on Cloud for Big Data Feature Learning. IEEE Transactions on Computers, 2016, 65, 1351-1362.	2.4	203
5	An Efficient Deep Learning Model to Predict Cloud Workload for Industry Informatics. IEEE Transactions on Industrial Informatics, 2018, 14, 3170-3178.	7.2	159
6	Deep Convolutional Computation Model for Feature Learning on Big Data in Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 790-798.	7.2	159
7	An Incremental CFS Algorithm for Clustering Large Data in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2017, 13, 1193-1201.	7.2	148
8	Deep Computation Model for Unsupervised Feature Learning on Big Data. IEEE Transactions on Services Computing, 2016, 9, 161-171.	3.2	115
9	Energy-Efficient Scheduling for Real-Time Systems Based on Deep Q-Learning Model. IEEE Transactions on Sustainable Computing, 2019, 4, 132-141.	2.2	107
10	A localization method for the Internet of Things. Journal of Supercomputing, 2013, 63, 657-674.	2.4	104
11	A Double Deep Q-Learning Model for Energy-Efficient Edge Scheduling. IEEE Transactions on Services Computing, 2019, 12, 739-749.	3.2	103
12	An Adaptive Dropout Deep Computation Model for Industrial IoT Big Data Learning With Crowdsourcing to Cloud Computing. IEEE Transactions on Industrial Informatics, 2019, 15, 2330-2337.	7.2	101
13	High-order possibilistic c-means algorithms based on tensor decompositions for big data in IoT. Information Fusion, 2018, 39, 72-80.	11.7	95
14	Social-Oriented Adaptive Transmission in Opportunistic Internet of Smartphones. IEEE Transactions on Industrial Informatics, 2017, 13, 810-820.	7.2	92
15	Vehicle Trajectory Clustering Based on Dynamic Representation Learning of Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3567-3576.	4.7	87
16	PPHOPCM: Privacy-Preserving High-Order Possibilistic c-Means Algorithm for Big Data Clustering with Cloud Computing. IEEE Transactions on Big Data, 2022, 8, 25-34.	4.4	85
17	Privacy-Preserving Double-Projection Deep Computation Model With Crowdsourcing on Cloud for Big Data Feature Learning. IEEE Internet of Things Journal, 2018, 5, 2896-2903.	5.5	79
18	Incomplete multi-view clustering via deep semantic mapping. Neurocomputing, 2018, 275, 1053-1062.	3.5	73

#	ARTICLE	IF	CITATIONS
19	A scheme of access service recommendation for the Social Internet of Things. International Journal of Communication Systems, 2016, 29, 694-706.	1.6	69
20	Novel Framework of Risk-Aware Virtual Network Embedding in Optical Data Center Networks. IEEE Systems Journal, 2018, 12, 2473-2482.	2.9	55
21	A privacy-preserving high-order neuro-fuzzy c-means algorithm with cloud computing. Neurocomputing, 2017, 256, 82-89.	3.5	48
22	An Incremental Deep Convolutional Computation Model for Feature Learning on Industrial Big Data. IEEE Transactions on Industrial Informatics, 2019, 15, 1341-1349.	7.2	48
23	A Tensor-Train Deep Computation Model for Industry Informatics Big Data Feature Learning. IEEE Transactions on Industrial Informatics, 2018, 14, 3197-3204.	7.2	41
24	Deep Discrete Cross-Modal Hashing for Cross-Media Retrieval. Pattern Recognition, 2018, 83, 64-77.	5.1	40
25	Local Similarity Imputation Based on Fast Clustering for Incomplete Data in Cyber-Physical Systems. IEEE Systems Journal, 2018, 12, 1610-1620.	2.9	38
26	An Attention-Based Deep Learning Framework for Trip Destination Prediction of Sharing Bike. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4601-4610.	4.7	38
27	A Tucker Deep Computation Model for Mobile Multimedia Feature Learning. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-18.	3.0	37
28	Distributed Feature Selection for Efficient Economic Big Data Analysis. IEEE Transactions on Big Data, 2018, 4, 164-176.	4.4	37
29	Deep learning models for diagnosing spleen and stomach diseases in smart Chinese medicine with cloud computing. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	1.4	33
30	An Improved Deep Computation Model Based on Canonical Polyadic Decomposition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1657-1666.	5.9	31
31	ICFS Clustering With Multiple Representatives for Large Data. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 728-738.	7.2	30
32	A Distributed Weighted Possibilistic c-Means Algorithm for Clustering Incomplete Big Sensor Data. International Journal of Distributed Sensor Networks, 2014, 10, 430814.	1.3	27
33	A nodes scheduling model based on Markov chain prediction for big streaming data analysis. International Journal of Communication Systems, 2015, 28, 1610-1619.	1.6	27
34	Supervised Intra- and Inter-Modality Similarity Preserving Hashing for Cross-Modal Retrieval. IEEE Access, 2018, 6, 27796-27808.	2.6	26
35	Co-Learning Non-Negative Correlated and Uncorrelated Features for Multi-View Data. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1486-1496.	7.2	26
36	Unsupervised Multiview Nonnegative Correlated Feature Learning for Data Clustering. IEEE Signal Processing Letters, 2018, 25, 60-64.	2.1	25

#	ARTICLE	IF	CITATIONS
37	A canonical polyadic deep convolutional computation model for big data feature learning in Internet of Things. <i>Future Generation Computer Systems</i> , 2019, 99, 508-516.	4.9	24
38	A Unified Smart Chinese Medicine Framework for Healthcare and Medical Services. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 882-890.	1.9	24
39	Incremental Deep Computation Model for Wireless Big Data Feature Learning. <i>IEEE Transactions on Big Data</i> , 2020, 6, 248-257.	4.4	22
40	Challenges and techniques in Big data security and privacy: A review. <i>Security and Privacy</i> , 2018, 1, e13.	1.9	20
41	Smart Chinese medicine for hypertension treatment with a deep learning model. <i>Journal of Network and Computer Applications</i> , 2019, 129, 1-8.	5.8	20
42	A Universal Storage Architecture for Big Data in Cloud Environment. , 2013, , .		19
43	Distributed fuzzy c-means algorithms for big sensor data based on cloud computing. <i>International Journal of Sensor Networks</i> , 2015, 18, 32.	0.2	19
44	Collaborative Filtering With Network Representation Learning for Citation Recommendation. <i>IEEE Transactions on Big Data</i> , 2022, 8, 1233-1246.	4.4	19
45	Social-Oriented Resource Management in Cloud-Based Mobile Networks. <i>IEEE Cloud Computing</i> , 2016, 3, 24-31.	5.3	16
46	Unsupervised multi-view non-negative for law data feature learning with dual graph-regularization in smart Internet of Things. <i>Future Generation Computer Systems</i> , 2019, 100, 523-530.	4.9	16
47	Deep Semantic Mapping for Heterogeneous Multimedia Transfer Learning Using Co-Occurrence Data. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2019, 15, 1-21.	3.0	16
48	Efficient Byzantine Consensus Mechanism Based on Reputation in IoT Blockchain. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-14.	0.8	15
49	A two-stage deep transfer learning model and its application for medical image processing in Traditional Chinese Medicine. <i>Knowledge-Based Systems</i> , 2022, 239, 108060.	4.0	14
50	Semantic Clustering-Based Deep Hypergraph Model for Online Reviews Semantic Classification in Cyber-Physical-Social Systems. <i>IEEE Access</i> , 2018, 6, 17942-17951.	2.6	13
51	Integration of Image Feature and Word Relevance: Toward Automatic Image Annotation in Cyber-Physical-Social Systems. <i>IEEE Access</i> , 2018, 6, 44190-44198.	2.6	12
52	Multilabel Aerial Image Classification With a Concept Attention Graph Neural Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	2.7	11
53	Multi-View Robust Feature Learning for Data Clustering. <i>IEEE Signal Processing Letters</i> , 2020, 27, 1750-1754.	2.1	9
54	A hybrid deep computation model for feature learning on aero-engine data: applications to fault detection. <i>Applied Mathematical Modelling</i> , 2020, 83, 487-496.	2.2	8

#	ARTICLE	IF	CITATIONS
55	Parameter-Free Incremental Co-Clustering for Multi-Modal Data in Cyber-Physical-Social Systems. IEEE Access, 2017, 5, 21852-21861.	2.6	7
56	Cross-Entropy Pruning for Compressing Convolutional Neural Networks. Neural Computation, 2018, 30, 3128-3149.	1.3	7
57	An efficient data delivery and scheduling scheme for smart and sustainable cities. Journal of Cleaner Production, 2019, 215, 497-513.	4.6	7
58	TCMHG: Topic-Based Cross-Modal Hypergraph Learning for Online Service Recommendations. IEEE Access, 2018, 6, 24856-24865.	2.6	6
59	Averaged Soft Actor-Critic for Deep Reinforcement Learning. Complexity, 2021, 2021, 1-16.	0.9	6
60	Multilabel Aerial Image Classification With Unsupervised Domain Adaptation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	6
61	LSTM-MFCN: A time series classifier based on multi-scale spatial-temporal features. Computer Communications, 2022, 182, 52-59.	3.1	6
62	Cross-Modal Retrieval for CPSS Data. IEEE Access, 2020, 8, 16689-16701.	2.6	5
63	A Partitioning and Index Algorithm for RDF Data of Cloud-Based Robotic Systems. IEEE Access, 2018, 6, 29836-29845.	2.6	4
64	Corrections to "A Cooperative Quality-Aware Service Access System for Social Internet of Vehicles". IEEE Internet of Things Journal, 2020, 7, 6663-6663.	5.5	3
65	Parallel Implementations of Candidate Solution Evaluation Algorithm for N-Queens Problem. Complexity, 2021, 2021, 1-15.	0.9	3
66	Dual Alignment Self-Supervised Incomplete Multi-View Subspace Clustering Network. IEEE Signal Processing Letters, 2021, 28, 2122-2126.	2.1	3
67	Semantic Understandings for Aerial Images via Multigrained Feature Grouping. Scientific Programming, 2022, 2022, 1-12.	0.5	3
68	Special issue on big data intelligence in communication systems. International Journal of Communication Systems, 2018, 31, e3800.	1.6	2
69	Complex communication networks. International Journal of Communication Systems, 2014, 27, 1217-1219.	1.6	1
70	STLIS: A Scalable Two-Level Index Scheme for Big Data in IoT. Mobile Information Systems, 2016, 2016, 1-11.	0.4	1
71	A New Deep Transfer Learning Model for Judicial Data Classification. , 2018, , .		1
72	Privacy-Preserving Deep Learning Models for Law Big Data Feature Learning. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
73	A Deep Fusion Gaussian Mixture Model for Multiview Land Data Clustering. Wireless Communications and Mobile Computing, 2020, 2020, 1-9.	0.8	1
74	MESH: A Flexible Manifold-Embedded Semantic Hashing for Cross-Modal Retrieval. IEEE Access, 2020, 8, 147569-147579.	2.6	1
75	A Sparse Deep Transfer Learning Model and Its Application for Smart Agriculture. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	0.8	1
76	STCMH with minimal semantic loss. IET Image Processing, 2019, 13, 2529-2537.	1.4	1
77	Joint Optimization of Latency Monitoring and Traffic Scheduling in Software Defined Heterogeneous Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 104-113.	0.2	1
78	Enhanced Attention-based Back Projection Network for Image Super-Resolution in Sensor Network. IEEE Sensors Journal, 2020, , 1-1.	2.4	1
79	Multi-View Representation Learning via Dual Optimal Transportation. IEEE Access, 2021, 9, 144976-144984.	2.6	1
80	A Deep CFS Model for Text Clustering. , 2018, , .		0
81	Combinative hypergraph learning in subspace for cross-modal ranking. Multimedia Tools and Applications, 2018, 77, 25959-25982.	2.6	0
82	Semisupervised Deep Embedded Clustering with Adaptive Labels. Scientific Programming, 2021, 2021, 1-12.	0.5	0
83	Incremental multi-view correlated feature learning based on non-negative matrix factorisation. IET Computer Vision, 2021, 15, 573.	1.3	0
84	Image Annotation based on Semantic Structure and Graph Learning. , 2020, , .		0