Zhikui Chen

List of Publications by Year
in descending order

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		172457	114465
84	4,082	29	63
papers	citations	h-index	g-index

85	85	85	4352
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A survey on deep learning for big data. Information Fusion, 2018, 42, 146-157.	19.1	827
2	A Survey on Deep Learning for Multimodal Data Fusion. Neural Computation, 2020, 32, 829-864.	2.2	252
3	A Cooperative Quality-Aware Service Access System for Social Internet of Vehicles. IEEE Internet of Things Journal, 2018, 5, 2506-2517.	8.7	241
4	Privacy Preserving Deep Computation Model on Cloud for Big Data Feature Learning. IEEE Transactions on Computers, 2016, 65, 1351-1362.	3.4	203
5	An Efficient Deep Learning Model to Predict Cloud Workload for Industry Informatics. IEEE Transactions on Industrial Informatics, 2018, 14, 3170-3178.	11.3	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.	11.3	159
7	An Incremental CFS Algorithm for Clustering Large Data in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2017, 13, 1193-1201.	11.3	148
8	Deep Computation Model for Unsupervised Feature Learning on Big Data. IEEE Transactions on Services Computing, 2016, 9, 161-171.	4.6	115
9	Energy-Efficient Scheduling for Real-Time Systems Based on Deep Q-Learning Model. IEEE Transactions on Sustainable Computing, 2019, 4, 132-141.	3.1	107
10	A localization method for the Internet of Things. Journal of Supercomputing, 2013, 63, 657-674.	3.6	104
11	A Double Deep Q-Learning Model for Energy-Efficient Edge Scheduling. IEEE Transactions on Services Computing, 2019, 12, 739-749.	4.6	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.	11.3	101
13	High-order possibilistic c-means algorithms based on tensor decompositions for big data in IoT. Information Fusion, 2018, 39, 72-80.	19.1	95
14	Social-Oriented Adaptive Transmission in Opportunistic Internet of Smartphones. IEEE Transactions on Industrial Informatics, 2017, 13, 810-820.	11.3	92
15	Vehicle Trajectory Clustering Based on Dynamic Representation Learning of Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3567-3576.	8.0	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.	6.1	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.	8.7	79
18	Incomplete multi-view clustering via deep semantic mapping. Neurocomputing, 2018, 275, 1053-1062.	5.9	73

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19	A scheme of access service recommendation for the Social Internet of Things. International Journal of Communication Systems, 2016, 29, 694-706.	2.5	69
20	Novel Framework of Risk-Aware Virtual Network Embedding in Optical Data Center Networks. IEEE Systems Journal, 2018, 12, 2473-2482.	4.6	55
21	A privacy-preserving high-order neuro-fuzzy c-means algorithm with cloud computing. Neurocomputing, 2017, 256, 82-89.	5.9	48
22	An Incremental Deep Convolutional Computation Model for Feature Learning on Industrial Big Data. IEEE Transactions on Industrial Informatics, 2019, 15, 1341-1349.	11.3	48
23	A Tensor-Train Deep Computation Model for Industry Informatics Big Data Feature Learning. IEEE Transactions on Industrial Informatics, 2018, 14, 3197-3204.	11.3	41
24	Deep Discrete Cross-Modal Hashing for Cross-Media Retrieval. Pattern Recognition, 2018, 83, 64-77.	8.1	40
25	Local Similarity Imputation Based on Fast Clustering for Incomplete Data in Cyber-Physical Systems. IEEE Systems Journal, 2018, 12, 1610-1620.	4.6	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.	8.0	38
27	A Tucker Deep Computation Model for Mobile Multimedia Feature Learning. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-18.	4.3	37
28	Distributed Feature Selection for Efficient Economic Big Data Analysis. IEEE Transactions on Big Data, 2018, 4, 164-176.	6.1	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.	2.2	33
30	An Improved Deep Computation Model Based on Canonical Polyadic Decomposition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1657-1666.	9.3	31
31	ICFS Clustering With Multiple Representatives for Large Data. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 728-738.	11.3	30
32	A Distributed Weighted Possibilistic c-Means Algorithm for Clustering Incomplete Big Sensor Data. International Journal of Distributed Sensor Networks, 2014, 10, 430814.	2.2	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.	2.5	27
34	Supervised Intra- and Inter-Modality Similarity Preserving Hashing for Cross-Modal Retrieval. IEEE Access, 2018, 6, 27796-27808.	4.2	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.	11.3	26
36	Unsupervised Multiview Nonnegative Correlated Feature Learning for Data Clustering. IEEE Signal Processing Letters, 2018, 25, 60-64.	3.6	25

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37	A canonical polyadic deep convolutional computation model for big data feature learning in Internet of Things. Future Generation Computer Systems, 2019, 99, 508-516.	7.5	24
38	A Unified Smart Chinese Medicine Framework for Healthcare and Medical Services. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 882-890.	3.0	24
39	Incremental Deep Computation Model for Wireless Big Data Feature Learning. IEEE Transactions on Big Data, 2020, 6, 248-257.	6.1	22
40	Challenges and techniques in Big data security and privacy: A review. Security and Privacy, 2018, 1, e13.	2.7	20
41	Smart Chinese medicine for hypertension treatment with a deep learning model. Journal of Network and Computer Applications, 2019, 129, 1-8.	9.1	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. International Journal of Sensor Networks, 2015, 18, 32.	0.4	19
44	Collaborative Filtering With Network Representation Learning for Citation Recommendation. IEEE Transactions on Big Data, 2022, 8, 1233-1246.	6.1	19
45	Social-Oriented Resource Management in Cloud-Based Mobile Networks. IEEE Cloud Computing, 2016, 3, 24-31.	3.9	16
46	Unsupervised multi-view non-negative for law data feature learning with dual graph-regularization in smart Internet of Things. Future Generation Computer Systems, 2019, 100, 523-530.	7.5	16
47	Deep Semantic Mapping for Heterogeneous Multimedia Transfer Learning Using Co-Occurrence Data. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-21.	4.3	16
48	Efficient Byzantine Consensus Mechanism Based on Reputation in IoT Blockchain. Wireless Communications and Mobile Computing, 2021, 2021, 1-14.	1.2	15
49	A two-stage deep transfer learning model and its application for medical image processing in Traditional Chinese Medicine. Knowledge-Based Systems, 2022, 239, 108060.	7.1	14
50	Semantic Clustering-Based Deep Hypergraph Model for Online Reviews Semantic Classification in Cyber-Physical-Social Systems. IEEE Access, 2018, 6, 17942-17951.	4.2	13
51	Integration of Image Feature and Word Relevance: Toward Automatic Image Annotation in Cyber-Physical-Social Systems. IEEE Access, 2018, 6, 44190-44198.	4.2	12
52	Multilabel Aerial Image Classification With a Concept Attention Graph Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	11
53	Multi-View Robust Feature Learning for Data Clustering. IEEE Signal Processing Letters, 2020, 27, 1750-1754.	3.6	9
54	A hybrid deep computation model for feature learning on aero-engine data: applications to fault detection. Applied Mathematical Modelling, 2020, 83, 487-496.	4.2	8

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55	Parameter-Free Incremental Co-Clustering for Multi-Modal Data in Cyber-Physical-Social Systems. IEEE Access, 2017, 5, 21852-21861.	4.2	7
56	Cross-Entropy Pruning for Compressing Convolutional Neural Networks. Neural Computation, 2018, 30, 3128-3149.	2.2	7
57	An efficient data delivery and scheduling scheme for smart and sustainable cities. Journal of Cleaner Production, 2019, 215, 497-513.	9.3	7
58	TCMHG: Topic-Based Cross-Modal Hypergraph Learning for Online Service Recommendations. IEEE Access, 2018, 6, 24856-24865.	4.2	6
59	Averaged Soft Actor-Critic for Deep Reinforcement Learning. Complexity, 2021, 2021, 1-16.	1.6	6
60	Multilabel Aerial Image Classification With Unsupervised Domain Adaptation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	6
61	LSTM-MFCN: A time series classifier based on multi-scale spatialâ€“temporal features. Computer Communications, 2022, 182, 52-59.	5.1	6
62	Cross-Modal Retrieval for CPSS Data. IEEE Access, 2020, 8, 16689-16701.	4.2	5
63	A Partitioning and Index Algorithm for RDF Data of Cloud-Based Robotic Systems. IEEE Access, 2018, 6, 29836-29845.	4.2	4
64	Corrections to â€œA Cooperative Quality-Aware Service Access System for Social Internet of Vehiclesâ€. IEEE Internet of Things Journal, 2020, 7, 6663-6663.	8.7	3
65	Parallel Implementations of Candidate Solution Evaluation Algorithm for N-Queens Problem. Complexity, 2021, 2021, 1-15.	1.6	3
66	Dual Alignment Self-Supervised Incomplete Multi-View Subspace Clustering Network. IEEE Signal Processing Letters, 2021, 28, 2122-2126.	3.6	3
67	Semantic Understandings for Aerial Images via Multigrained Feature Grouping. Scientific Programming, 2022, 2022, 1-12.	0.7	3
68	Special issue on big data intelligence in communication systems. International Journal of Communication Systems, 2018, 31, e3800.	2.5	2
69	Complex communication networks. International Journal of Communication Systems, 2014, 27, 1217-1219.	2.5	1
70	STLIS: A Scalable Two-Level Index Scheme for Big Data in IoT. Mobile Information Systems, 2016, 2016, 1-11.	0.6	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

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73	A Deep Fusion Gaussian Mixture Model for Multiview Land Data Clustering. Wireless Communications and Mobile Computing, 2020, 2020, 1-9.	1.2	1
74	MESH: A Flexible Manifold-Embedded Semantic Hashing for Cross-Modal Retrieval. IEEE Access, 2020, 8, 147569-147579.	4.2	1
75	A Sparse Deep Transfer Learning Model and Its Application for Smart Agriculture. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	1
76	STCMH with minimal semantic loss. IET Image Processing, 2019, 13, 2529-2537.	2.5	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.	0.3	1
78	Enhanced Attention-based Back Projection Network for Image Super-Resolution in Sensor Network. IEEE Sensors Journal, 2020, , 1-1.	4.7	1
79	Multi-View Representation Learning via Dual Optimal Transportation. IEEE Access, 2021, 9, 144976-144984.	4.2	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.	3.9	0
82	Semisupervised Deep Embedded Clustering with Adaptive Labels. Scientific Programming, 2021, 2021, 1-12.	0.7	0
83	Incremental multiâ€view correlated feature learning based on nonâ€negative matrix factorisation. IET Computer Vision, 2021, 15, 573.	2.0	0
84	Image Annotation based on Semantic Structure and Graph Learning. , 2020, , .		0