

Jigang Wu

List of Publications by Year in descending order

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111
papers

1,898
citations

331259

21
h-index

301761

39
g-index

111
all docs

111
docs citations

111
times ranked

1675
citing authors

#	ARTICLE	IF	CITATIONS
1	Pinning Control for Synchronization of Coupled Reaction-Diffusion Neural Networks With Directed Topologies. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 1109-1120.	5.9	172
2	Block-secure: Blockchain based scheme for secure P2P cloud storage. <i>Information Sciences</i> , 2018, 465, 219-231.	4.0	150
3	Blockchain-based public auditing for big data in cloud storage. <i>Information Processing and Management</i> , 2020, 57, 102382.	5.4	137
4	Passivity of Directed and Undirected Complex Dynamical Networks With Adaptive Coupling Weights. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 1827-1839.	7.2	91
5	Joint Charging Tour Planning and Depot Positioning for Wireless Sensor Networks Using Mobile Chargers. <i>IEEE/ACM Transactions on Networking</i> , 2017, 25, 2250-2266.	2.6	84
6	Approximate Low-Rank Projection Learning for Feature Extraction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 5228-5241.	7.2	84
7	Passivity Analysis of Coupled Reaction-Diffusion Neural Networks With Dirichlet Boundary Conditions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 2148-2159.	5.9	82
8	Continuous Influence-Based Community Partition for Social Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 1187-1197.	4.1	68
9	Feature-transfer network and local background suppression for microaneurysm detection. <i>Machine Vision and Applications</i> , 2021, 32, 1.	1.7	58
10	Asymmetric Supervised Consistent and Specific Hashing for Cross-Modal Retrieval. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 986-1000.	6.0	42
11	Learning Compact Multifeature Codes for Palmprint Recognition From a Single Training Image per Palm. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 2930-2942.	5.2	37
12	Dependency-Aware Computation Offloading for Mobile Edge Computing With Edge-Cloud Cooperation. <i>IEEE Transactions on Cloud Computing</i> , 2022, 10, 2451-2468.	3.1	32
13	Flexible Affinity Matrix Learning for Unsupervised and Semisupervised Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 1133-1149.	7.2	31
14	DOTA: Delay Bounded Optimal Cloudlet Deployment and User Association in WMANs. , 2017, . .		30
15	Unsupervised feature extraction by low-rank and sparsity preserving embedding. <i>Neural Networks</i> , 2019, 109, 56-66.	3.3	30
16	Efficient task scheduling for servers with dynamic states in vehicular edge computing. <i>Computer Communications</i> , 2020, 150, 245-253.	3.1	30
17	Double Relaxed Regression for Image Classification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 307-319.	5.6	29
18	QUICK: QoS-guaranteed efficient cloudlet placement in wireless metropolitan area networks. <i>Journal of Supercomputing</i> , 2018, 74, 4037-4059.	2.4	27

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19	Fog Computing Model and Efficient Algorithms for Directional Vehicle Mobility in Vehicular Network. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2599-2614.	4.7	27
20	Passivity and Pinning Passivity of Coupled Delayed Reaction-Diffusion Neural Networks with Dirichlet Boundary Conditions. Neural Processing Letters, 2017, 45, 869-885.	2.0	26
21	Constrained Discriminative Projection Learning for Image Classification. IEEE Transactions on Image Processing, 2020, 29, 186-198.	6.0	26
22	Blockchain-Based Security Architecture for Distributed Cloud Storage. , 2017, , .		25
23	Passivity and pinning control of coupled neural networks with and without time-varying delay. Transactions of the Institute of Measurement and Control, 2018, 40, 2708-2717.	1.1	24
24	Passivity-Based Leader-Following Consensus Control for Nonlinear Multi-Agent Systems with Fixed and Switching Topologies. IEEE Transactions on Network Science and Engineering, 2019, 6, 844-856.	4.1	23
25	Low-rank and sparse embedding for dimensionality reduction. Neural Networks, 2018, 108, 202-216.	3.3	22
26	BRAINS: Joint Bandwidth-Relay Allocation in Multihoming Cooperative D2D Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 5387-5398.	3.9	21
27	TARCO: Two-Stage Auction for D2D Relay Aided Computation Resource Allocation in HetNet. IEEE Transactions on Services Computing, 2019, , 1-1.	3.2	21
28	Fast algorithms for capacitated cloudlet placements. , 2017, , .		18
29	Transferable Linear Discriminant Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5630-5638.	7.2	17
30	Fault Modeling and Efficient Testing of Memristor-Based Memory. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4444-4455.	3.5	16
31	Precision direction and compact surface type representation for 3D palmprint identification. Pattern Recognition, 2019, 87, 237-247.	5.1	15
32	Group Low-Rank Representation-Based Discriminant Linear Regression. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 760-770.	5.6	15
33	Latent Elastic-Net Transfer Learning. IEEE Transactions on Image Processing, 2020, 29, 2820-2833.	6.0	15
34	Load Balance Guaranteed Vehicle-to-Vehicle Computation Offloading for Min-Max Fairness in VANETs. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11994-12013.	4.7	15
35	Blockchain-Based Secure Key Management for Mobile Edge Computing. IEEE Transactions on Mobile Computing, 2023, 22, 100-114.	3.9	15
36	Energy-Efficient Offloading in Mobile Edge Computing with Edge-Cloud Collaboration. Lecture Notes in Computer Science, 2018, , 460-475.	1.0	14

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37	Deduplication with Blockchain for Secure Cloud Storage. Communications in Computer and Information Science, 2018, , 558-570.	0.4	14
38	Smart Contract-Based Long-Term Auction for Mobile Blockchain Computation Offloading. IEEE Access, 2020, 8, 36029-36042.	2.6	14
39	SODNet: small object detection using deconvolutional neural network. IET Image Processing, 2020, 14, 1662-1669.	1.4	13
40	Reconfiguring Three-Dimensional Processor Arrays for Fault-Tolerance: Hardness and Heuristic Algorithms. IEEE Transactions on Computers, 2015, 64, 2926-2939.	2.4	12
41	ETRA: Efficient Three-Stage Resource Allocation Auction for Mobile Blockchain in Edge Computing. , 2018, , .		12
42	Efficient Auction Mechanism for Edge Computing Resource Allocation in Mobile Blockchain. , 2019, , .		12
43	Long-term optimization for MEC-enabled HetNets with device-“edge”-cloud collaboration. Computer Communications, 2021, 166, 66-80.	3.1	11
44	Generalized Multi-View Collaborative Subspace Clustering. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3561-3574.	5.6	11
45	Algorithmic aspects of graph reduction for hardware/software partitioning. Journal of Supercomputing, 2015, 71, 2251-2274.	2.4	10
46	Projective Double Reconstructions Based Dictionary Learning Algorithm for Cross-Domain Recognition. IEEE Transactions on Image Processing, 2020, 29, 9220-9233.	6.0	10
47	Exploring Fine-Grained Cluster Structure Knowledge for Unsupervised Domain Adaptation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5481-5494.	5.6	10
48	Passivity and synchronization of switched coupled reaction-“diffusion neural networks with non-delayed and delayed couplings. International Journal of Computer Mathematics, 2019, 96, 1702-1722.	1.0	9
49	Multiview Consensus Structure Discovery. IEEE Transactions on Cybernetics, 2022, 52, 3469-3482.	6.2	9
50	Task Offloading Algorithms for Novel Load Balancing in Homogeneous Fog Network. , 2021, , .		9
51	QoE-Aware Task Offloading for Time Constraint Mobile Applications. , 2017, , .		8
52	Efficient three-stage auction schemes for cloudlets deployment in wireless access network. Wireless Networks, 2019, 25, 3335-3349.	2.0	8
53	Energy Efficient Cooperative Edge Computing with Multi-Source Multi-Relay Devices. , 2019, , .		8
54	Visual Sentiment Prediction with Attribute Augmentation and Multi-attention Mechanism. Neural Processing Letters, 2020, 51, 2403-2416.	2.0	8

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55	Joint discriminative attributes and similarity embeddings modeling for zero-shot recognition. <i>Neurocomputing</i> , 2020, 399, 117-128.	3.5	7
56	Coupled Knowledge Transfer for Visual Data Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 1776-1789.	5.6	7
57	TACD: A Three-Stage Auction Scheme for Cloudlet Deployment in Wireless Access Network. <i>Lecture Notes in Computer Science</i> , 2017, , 877-882.	1.0	6
58	Robust Multi-View Hashing for Cross-Modal Retrieval. , 2019, , .		6
59	Defect Analysis and Parallel Testing for 3D Hybrid CMOS-Memristor Memory. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2021, 9, 745-758.	3.2	6
60	Efficient Algorithms For Storage Load Balancing Of Outsourced Data In Blockchain Network. <i>Computer Journal</i> , 2022, 65, 1512-1526.	1.5	6
61	Shortest Partial Path First Algorithm for Reconfigurable Processor Array with Faults. , 2016, , .		5
62	Defect Analysis and Parallel March Test Algorithm for 3D Hybrid CMOS-Memristor Memory. , 2018, , .		5
63	Blockchain-Based Secure and Reliable Distributed Deduplication Scheme. <i>Lecture Notes in Computer Science</i> , 2018, , 393-405.	1.0	5
64	Reconfigurations for Processor Arrays with Faulty Switches and Links. , 2015, , .		4
65	Secure and Balanced Scheme for Non-Local Data Storage in Blockchain Network. , 2019, , .		4
66	Flexible robust principal component analysis. <i>International Journal of Machine Learning and Cybernetics</i> , 2020, 11, 603-613.	2.3	4
67	Integrating Two Logics Into One Crossbar Array for Logic Gate Design. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 2987-2991.	2.2	4
68	Structure preservation adversarial network for visual domain adaptation. <i>Information Sciences</i> , 2021, 579, 266-280.	4.0	4
69	Learning Multipart Attention Neural Network for Zero-Shot Classification. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2022, 14, 414-423.	2.6	4
70	Erasure-Coded Multi-Block Updates Based on Hybrid Writes and Common XORs First. , 2021, , .		4
71	EECDN: Energy-efficient Cooperative DNN Edge Inference in Wireless Sensor Networks. <i>ACM Transactions on Internet Technology</i> , 2022, 22, 1-30.	3.0	4
72	Combining Enhanced Competitive Code with Compacted ST for 3D Palmprint Recognition. , 2017, , .		3

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73	NESTLE: Incentive Mechanism Specialized for Computation Offloading in Local Edge Community. Lecture Notes in Computer Science, 2018, , 90-104.	1.0	3
74	POEM: Pricing Longer for Edge Computing in the Device Cloud. Lecture Notes in Computer Science, 2018, , 355-369.	1.0	3
75	Low-Latency Cooperative Computation Offloading for Mobile Edge Computing. , 2019, , .		3
76	Utility-Aware Batch-Processing Algorithms for Dynamic Carpooling Based on Double Auction. , 2019, , .		3
77	Multiple-Choice Hardware/Software Partitioning for Tree Task-Graph on MPSoC. Computer Journal, 2020, 63, 688-700.	1.5	3
78	Robust Discriminant Projection Via Joint Margin and Locality Structure Preservation. Neural Processing Letters, 2021, 53, 959-982.	2.0	3
79	Efficient decentralized access control for secure data sharing in cloud computing. Concurrency Computation Practice and Experience, 2023, 35, e6383.	1.4	3
80	F3D: Accelerating 3D Convolutional Neural Networks in Frequency Space Using ReRAM. , 2021, , .		3
81	Task Tree Partition and Subtree Allocation for Heterogeneous Multiprocessors. , 2021, , .		3
82	A Direction-Based Vehicular Network Model in Vehicular Fog Computing. , 2018, , .		2
83	Supervised Consistent and Specific Hashing. , 2019, , .		2
84	Secrecy rate and residual energy trade-off in energy harvesting cognitive radio networks. Physical Communication, 2019, 37, 100857.	1.2	2
85	Task Merging and Scheduling for Parallel Deep Learning Applications in Mobile Edge Computing. , 2019, , .		2
86	Search-Free Inference Acceleration for Sparse Convolutional Neural Networks. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 2156-2169.	1.9	2
87	Context switch cost aware joint task merging and scheduling for deep learning applications. Parallel Computing, 2021, 102, 102753.	1.3	2
88	Joint Optimization of Path Planning and Task Assignment for Space Robot. , 2021, , .		2
89	Intra-cluster aggregation aware routing for distributed training in wireless sensor networks. Concurrency Computation Practice and Experience, 0, , .	1.4	2
90	Predatory Search Strategy Aided Monte Carlo Localization for Cellular Networks. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
91	Efficient Heuristic for Placing Monitors on Flow Networks. , 2015, , .		1
92	Tight Upper Bound for Accelerating Reconfiguration of VLSI Arrays. Journal of Circuits, Systems and Computers, 2015, 24, 1550099.	1.0	1
93	Fast Replica Placement and Update Strategies in Tree Networks. , 2015, , .		1
94	Note on Edge-Colored Graphs for Networks with Homogeneous Faults. Computer Journal, 2016, 59, 1470-1478.	1.5	1
95	Algorithms for Replica Placement and Update in Tree Network. Computer Journal, 2018, 61, 273-287.	1.5	1
96	Coalitional Game Based Carpooling Algorithms for Quality of Experience. , 2018, , .		1
97	Latency Optimization for Mobile Edge Computing with Dynamic Energy Harvesting. , 2019, , .		1
98	Small Target Recognition Using Dynamic Time Warping and Visual Attention. Computer Journal, 2020, , .	1.5	1
99	Efficient Algorithms for Caregiver Routing and Scheduling in Home Health Care Services. , 2021, , .		1
100	General Algorithm for Fault-Tolerant Virtual Machine Assignments. , 2017, , .		0
101	TAMSA: Two-Stage Auction Mechanism for Spectrum Allocation in Cooperative Cognitive Radio Networks. Lecture Notes in Computer Science, 2018, , 3-16.	1.0	0
102	Combinatorial Double Auction for Resource Allocation in Mobile Blockchain Network. Wireless Networks, 2021, 27, 3299-3312.	2.0	0
103	Parameter Servers Placement for Distributed Deep Learning in Edge computing. , 2021, , .		0
104	Coalitional Double Auction for Ride-Sharing with Buyout Ask Price. , 2021, , .		0
105	BEADS: Blockchain-Empowered Auction in Decentralized Storage. , 2021, , .		0
106	Reconfiguration algorithms for synchronous communication on switch based degradable arrays. Parallel Computing, 2022, 111, 102901.	1.3	0
107	Energy-aware Preprocessing for Distributed Training in D2D Edge Network with Non-iid Data. , 2021, , .		0
108	Efficient Algorithm for Home Care Scheduling with Budget Constraint. , 2021, , .		0

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109	Efficient Parameter Server Placement for Distributed Deep Learning in Edge Computing. Computer Journal, 0, , .	1.5	0
110	Hierarchical Triple-Level Alignment for Multiple Source and Target Domain Adaptation. Applied Intelligence, 0, , .	3.3	0
111	Loading Cost-Aware Model Caching And Request Routing In Edge-enabled Wireless Sensor Networks. Computer Journal, 0, , .	1.5	0