Xiaobo Zhou

List of Publications by Year
in descending order

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89	1,281	516710 16	414414 32
papers	citations	h-index	g-index

91	91	91	1132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Energy-Efficient Service Migration for Multi-User Heterogeneous Dense Cellular Networks. IEEE Transactions on Mobile Computing, 2023, 22, 890-905.	5.8	9
2	BLS-Location: A Wireless Fingerprint Localization Algorithm Based on Broad Learning. IEEE Transactions on Mobile Computing, 2023, 22, 115-128.	5.8	21
3	Path Planning for Adaptive CSI Map Construction With A3C in Dynamic Environments. IEEE Transactions on Mobile Computing, 2023, 22, 2925-2937.	5.8	2
4	An Online Cost-Efficient Transmission Scheme for Information-Agnostic Traffic in Inter-Datacenter Networks. IEEE Transactions on Cloud Computing, 2022, 10, 202-215.	4.4	3
5	Learning-Driven Cloud Resource Provision Policy for Content Providers With Competitor. IEEE Transactions on Cloud Computing, 2022, 10, 1913-1924.	4.4	2
6	Trading Cost and Throughput in Geo-Distributed Analytics With A Two Time Scale Approach. IEEE Transactions on Cloud Computing, 2022, 10, 2163-2177.	4.4	3
7	An Adaptive Social Spammer Detection Model With Semi-Supervised Broad Learning. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4622-4635.	5.7	14
8	Intelligent Fingerprint-Based Localization Scheme Using CSI Images for Internet of Things. IEEE Transactions on Network Science and Engineering, 2022, 9, 2378-2391.	6.4	4
9	LF-SWIPT: Outage Analysis for SWIPT Relaying Networks Using Lossy Forwarding With QoS Guaranteed. IEEE Internet of Things Journal, 2022, 9, 18737-18748.	8.7	2
10	DLBN: Group Storage Mechanism Based on Double-Layer Blockchain Network. IEEE Internet of Things Journal, 2022, 9, 19649-19659.	8.7	7
11	Outage Analysis for Correlated Sources Coding over NOMA in Shadowed Î°-Âµ Fading. , 2022, , .		0
12	Dynamically Transient Social Community Detection for Mobile Social Networks. IEEE Internet of Things Journal, 2021, 8, 1282-1293.	8.7	6
13	Scheduling Mix-Coflows in Datacenter Networks. IEEE Transactions on Network and Service Management, 2021, 18, 2002-2015.	4.9	6
14	Outage Probability of One-Source-With-One- Helper Sensor Systems in Block Rayleigh Fading Multiple Access Channels. IEEE Sensors Journal, 2021, 21, 2140-2148.	4.7	5
15	Multi-Relay Assisted Computation Offloading for Multi-Access Edge Computing Systems With Energy Harvesting. IEEE Transactions on Vehicular Technology, 2021, 70, 10941-10956.	6.3	23
16	Performance Analyses for Applying Machine Learning on Bitcoin Miners. , 2021, , .		4
17	Edge Intelligent Networking Optimization for Internet of Things in Smart City. IEEE Wireless Communications, 2021, 28, 26-31.	9.0	29
18	A Text Similarity-based Protocol Parsing Scheme for Industrial Internet of Things. , 2021, , .		0

#	Article	IF	Citations
19	DarkTE: Towards Dark Traffic Engineering in Data Center Networks with Ensemble Learning. , 2021, , .		9
20	Multi-Agent Reinforcement Learning-Based Cooperative Beam Selection in mmWave Vehicular Networks. , 2021, , .		1
21	Latency-Aware Path Planning for Disconnected Sensor Networks With Mobile Sinks. IEEE Transactions on Industrial Informatics, 2020, 16, 350-361.	11.3	46
22	A Novel Shortcut Addition Algorithm With Particle Swarm for Multisink Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 3566-3577.	11.3	25
23	Parking-Area-Assisted Spider-Web Routing Protocol for Emergency Data in Urban VANET. IEEE Transactions on Vehicular Technology, 2020, 69, 971-982.	6.3	29
24	Edge Computing in Industrial Internet of Things: Architecture, Advances and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 2462-2488.	39.4	355
25	TINA: A Fair Inter-datacenter Transmission Mechanism with Deadline Guarantee. , 2020, , .		7
26	Efficient Coflow Transmission for Distributed Stream Processing. , 2020, , .		9
27	GuardRider: Reliable WiFi Backscatter Using Reed-Solomon Codes With QoS Guarantee. , 2020, , .		8
28	Interference Aware Service Migration in Vehicular Fog Computing. IEEE Access, 2020, 8, 84272-84281.	4.2	11
29	A Two-Stage Service Migration Algorithm in Parked Vehicle Edge Computing for Internet of Things. Sensors, 2020, 20, 2786.	3.8	9
30	Endpoint-Flexible Coflow Scheduling Across Geo-Distributed Datacenters. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2466-2481.	5.6	14
31	Location-Privacy-Aware Service Migration in Mobile Edge Computing. , 2020, , .		16
32	Multi-user Cooperative Computation Offloading in Mobile Edge Computing. Lecture Notes in Computer Science, 2020, , 182-193.	1.3	2
33	HBL-Sketch: A New Three-Tier Sketch for Accurate Network Measurement. Lecture Notes in Computer Science, 2020, , 48-59.	1.3	1
34	Multi-user Service Migration for Mobile Edge Computing Empowered Connected and Autonomous Vehicles. Lecture Notes in Computer Science, 2020, , 306-320.	1.3	1
35	A Tutorial on Lossy Forwarding Cooperative Relaying. IEEE Communications Surveys and Tutorials, 2019, 21, 66-87.	39.4	33
36	QIMS: QoE-Centric Information-Agnostic Mix-Flows Scheduling in SD-WAN. , 2019, , .		0

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37	Latency-Aware Resource-Efficient Virtual Network Embedding in Software Defined Networking. , 2019, , .		7
38	FlowTracer: An Effective Flow Trajectory Detection Solution Based on Probabilistic Packet Tagging in SDN-Enabled Networks. IEEE Transactions on Network and Service Management, 2019, 16, 1884-1898.	4.9	6
39	On evaluating the resource usage effectiveness of multi-tenant cloud storage. Journal of Systems Architecture, 2019, 98, 403-412.	4.3	1
40	Physical Layer Security in Untrusted Decode-and-Forward Relay Networks Allowing Intra-Link Errors. , 2019, , .		5
41	D2D-Assisted Computation Offloading for Mobile Edge Computing Systems with Energy Harvesting. , 2019, , .		5
42	A Null-Space-Based Verification Scheme for Coded Edge Computing against Pollution Attacks. , 2019, , .		3
43	Cloud Resource Provision of Competitive Content Providers: Models and Analysis. , 2019, , .		2
44	OSTB: Optimizing Fairness and Efficiency for Coflow Scheduling without Prior Knowledge. , 2019, , .		1
45	information-Agnostic Traffic Scheduling in Data Center Networks with Asymmetric Topologies. , 2019, , .		1
46	An Efficient Secure Coded Edge Computing Scheme Using Orthogonal Vector. , 2019, , .		1
47	An Intelligent Robust Networking Mechanism for the Internet of Things. IEEE Communications Magazine, 2019, 57, 91-95.	6.1	75
48	ScaRL: Service Function Chain Allocation Based on Reinforcement Learning in Mobile Edge Computing. , 2019, , .		3
49	Reducing the site survey using fingerprint refinement for cost-efficient indoor location. Wireless Networks, 2019, 25, 1201-1213.	3.0	3
50	PRSFC-IoT: A Performance and Resource Aware Orchestration System of Service Function Chaining for Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1400-1410.	8.7	32
51	How to Set Timeout: Achieving Adaptive Load Balance in Asymmetric Topology Based on Flowlet Switching. , 2018, , .		1
52	Shaping Deadline Coflows to Accelerate Non-Deadline Coflows. , 2018, , .		6
53	Leveraging Endpoint Flexibility when Scheduling Coflows across Geo-distributed Datacenters. , 2018, , .		22
54	Fast and Accurate Missing Tag Detection for Multi-category RFID Systems. , 2018, , .		8

#	Article	IF	Citations
55	More Requests, Less Cost: Uncertain Inter-Datacenter Traffic Transmission with Multi-Tier Pricing. Journal of Computer Science and Technology, 2018, 33, 1152-1163.	1.5	2
56	Outage Probability Analysis of Decode-and-Forward Relaying Systems with Energy Harvesting. , 2018, , .		4
57	EasyLB: Adaptive Load Balancing Based on Flowlet Switching for Wireless Sensor Networks. Sensors, 2018, 18, 3060.	3.8	0
58	Experience-Availability Analysis of Online Cloud Services using Stochastic Models. , 2018, , .		3
59	<italic>TrafficShaper:</italic> Shaping Inter-Datacenter Traffic to Reduce the Transmission Cost. IEEE/ACM Transactions on Networking, 2018, 26, 1193-1206.	3.8	28
60	AJSR: an Efficient Multiple Jumps Forwarding Scheme in Software-Defined WAN. IEEE Access, 2017, 5, 3139-3148.	4.2	11
61	Experience Availability: Tail-Latency Oriented Availability in Software-Defined Cloud Computing. Journal of Computer Science and Technology, 2017, 32, 250-257.	1.5	8
62	Optimizing the cost-performance tradeoff for geo-distributed data analytics with uncertain demand. , 2017, , .		0
63	Foreword to the special issue on parallel and distributed computing with its applications. Concurrency Computation Practice and Experience, 2017, 29, e4226.	2.2	0
64	Perturbation-Based Private Profile Matching in Social Networks. IEEE Access, 2017, 5, 19720-19732.	4.2	8
65	Performance Analysis for Lossy-Forward Relaying Over Nakagami- m Fading Channels. IEEE Transactions on Vehicular Technology, 2017, 66, 10035-10043.	6.3	9
66	More Peak, Less Differentiation: Towards A Pricing-aware Online Control Framework for Inter-Datacenter Transfers. , 2017, , .		7
67	An error rate model of relay communications with lossy forwarding and joint decoding. , 2016, , .		5
68	A Rate-Distortion Region Analysis for a Binary CEO Problem. , 2016, , .		3
69	Utilization of multi-dimensional source correlation in multi-dimensional single parity check codes. Telecommunication Systems, 2016, 62, 735-745.	2.5	1
70	A Lower Bound Analysis of Hamming Distortion for a Binary CEO Problem With Joint Source-Channel Coding. IEEE Transactions on Communications, 2016, 64, 343-353.	7.8	20
71	Data and error rate bounds for binary data gathering wireless sensor networks. , 2015, , .		6
72	Outage Probabilities of Orthogonal Multiple-Access Relaying Techniques With Imperfect Source-Relay Links. IEEE Transactions on Wireless Communications, 2015, 14, 2269-2280.	9.2	15

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73	Outage probability of correlated binary source transmission over fading multiple access channels. , 2015, , .		7
74	CEO problem based analysis of D2D cooperative user pairing. , 2015, , .		1
75	Subsurface Drainage Flow and Soil Water Dynamics of Reconstructed Prairies and Corn Rotations for Biofuel Production. Vadose Zone Journal, 2014, 13, 1-11.	2.2	32
76	Exact and Approximated Outage Probability Analyses for Decode-and-Forward Relaying System Allowing Intra-Link Errors. IEEE Transactions on Wireless Communications, 2014, 13, 7062-7071.	9.2	44
77	Correlated Sources Transmission in Orthogonal Multiple Access Relay Channel: Theoretical Analysis and Performance Evaluation. IEEE Transactions on Wireless Communications, 2014, 13, 1424-1435.	9.2	13
78	Joint Adaptive Networkâ€“Channel Coding for Energy-Efficient Multiple-Access Relaying. IEEE Transactions on Vehicular Technology, 2014, 63, 2298-2305.	6.3	13
79	Exploitation of 2D binary source correlation using turbo block codes with fine-tuning. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	7
80	Estimation of Observation Error Probability in Wireless Sensor Networks. IEEE Communications Letters, 2013, 17, 1073-1076.	4.1	16
81	Effect of Aeration and Soil Water Redistribution on the Air Permeability under Subsurface Drip Irrigation. Soil Science Society of America Journal, 2012, 76, 815-820.	2.2	42
82	Utilization of 2-D Markov source correlation using block turbo codes. , 2012, , .		8
83	GREAT-CEO: larGe scale distRibuted dEcision mAking Techniques for Wireless Chief Executive Officer Problems. IEICE Transactions on Communications, 2012, E95.B, 3654-3662.	0.7	17
84	Distributed joint source-channel coding for relay systems exploiting source-relay correlation and source memory. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	11
85	EXIT Chart Based Joint Source-Channel Coding for Binary Markov Sources. , 2012, , .		3
86	Distributed joint source-channel coding for relay systems exploiting spatial and temporal correlations. , 2012, , .		6
87	Simple Relay Systems with BICM-ID Allowing Intra-Link Errors. IEICE Transactions on Communications, 2012, E95.B, 3671-3678.	0.7	4
88	Serially concatenated joint source-channel coding for binary Markov sources. , 2011, , .		3
89	Performance analysis of oneâ€sourceâ€withâ€oneâ€helper transmission over shadowed Î¹$kappa$â€¼mu fading multiple access channels. IET Communications, 0, , .	2.2	0