

Xiliang Luo

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

846
citations

759233

12
h-index

580821

25
g-index

74
all docs

74
docs citations

74
times ranked

786
citing authors

#	ARTICLE	IF	CITATIONS
1	MEETS: Maximal Energy Efficient Task Scheduling in Homogeneous Fog Networks. IEEE Internet of Things Journal, 2018, 5, 4076-4087.	8.7	144
2	DEBTS: Delay Energy Balanced Task Scheduling in Homogeneous Fog Networks. IEEE Internet of Things Journal, 2018, 5, 2094-2106.	8.7	130
3	Fog as a Service Technology. IEEE Communications Magazine, 2018, 56, 95-101.	6.1	80
4	Online Task Scheduling and Resource Allocation for Intelligent NOMA-Based Industrial Internet of Things. IEEE Journal on Selected Areas in Communications, 2020, 38, 803-815.	14.0	57
5	BLOT: Bandit Learning-Based Offloading of Tasks in Fog-Enabled Networks. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2636-2649.	5.6	41
6	Delay-Oriented QoS-Aware User Association and Resource Allocation in Heterogeneous Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1809-1822.	9.2	39
7	JOTE: Joint Offloading of Tasks and Energy in Fog-Enabled IoT Networks. IEEE Internet of Things Journal, 2020, 7, 3067-3082.	8.7	27
8	Multi-User Massive MIMO Performance with Calibration Errors. IEEE Transactions on Wireless Communications, 2016, , 1-1.	9.2	22
9	Time Reusing in D2D-Enabled Cooperative Networks. IEEE Transactions on Wireless Communications, 2018, 17, 3185-3200.	9.2	17
10	Downlink Channel Tracking for Intelligent Reflecting Surface-Aided FDD MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 3341-3353.	6.3	16
11	Pilot Contamination in Massive MIMO Induced by Timing and Frequency Errors. IEEE Transactions on Wireless Communications, 2018, 17, 4477-4492.	9.2	15
12	Age of Information Analysis for Dynamic Spectrum Sharing. , 2019, , .		15
13	Learn and Pick Right Nodes to Offload. , 2018, , .		14
14	Fog-Enabled Intelligent IoT Systems. , 2020, , .		13
15	Aligning Power in Multiple Domains for Pilot Decontamination in Massive MIMO. IEEE Transactions on Wireless Communications, 2017, 16, 7919-7935.	9.2	12
16	GAN and Multi-Agent DRL Based Decentralized Traffic Light Signal Control. IEEE Transactions on Vehicular Technology, 2022, 71, 1333-1348.	6.3	12
17	Flexible Pilot Contamination Mitigation With Doppler PSD Alignment. IEEE Signal Processing Letters, 2016, 23, 1449-1453.	3.6	11
18	Joint Dimming and Data Transmission Optimization for Multi-user Visible Light Communication System. IEEE Access, 2017, , 1-1.	4.2	11

#	ARTICLE	IF	CITATIONS
19	Intelligent Traffic Network Control in the Era of Internet of Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 9787-9802.	6.3	11
20	A Scalable Framework for CSI Feedback in FDD Massive MIMO via DL Path Aligning. IEEE Transactions on Signal Processing, 2017, 65, 4702-4716.	5.3	10
21	Online user association and computation offloading for Fog-enabled D2D network. , 2017, , .		9
22	Adaptive Queuing Censoring for Big Data Processing. IEEE Signal Processing Letters, 2018, 25, 610-614.	3.6	9
23	Maximal energy efficient task scheduling for homogeneous fog networks. , 2018, , .		9
24	Massive MIMO Self-Calibration: Optimal Interconnection for Full Calibration. IEEE Transactions on Vehicular Technology, 2019, 68, 10357-10371.	6.3	8
25	How Accurate Calibration Is Needed in Massive MIMO?. , 2015, , .		7
26	Robust Large Scale Calibration for Massive MIMO. , 2015, , .		7
27	Pilot Decontamination via PDP Alignment. , 2016, , .		7
28	Distributed Censoring with Energy Constraint in Wireless Sensor Networks. , 2018, , .		7
29	Fog Computing Architecture and Technologies. , 2020, , 39-60.		7
30	AN ONLINE LEARNING APPROACH TO WIRELESS COMPUTATION OFFLOADING. , 2018, , .		6
31	Online Learning for Computation Peer Offloading with Semi-bandit Feedback. , 2019, , .		6
32	Task Offloading in NOMA-Based Fog Computing Networks: A Deep Q-Learning Approach. , 2019, , .		6
33	OPTIMAL TASK OFFLOADING IN FOG-ENABLED NETWORKS VIA INDEX POLICIES. , 2018, , .		5
34	Handover Mitigation in Dense HetNets via Bandit Arm Elimination. , 2019, , .		5
35	IRS-Based TDD Reciprocity Breaking for Pilot Decontamination in Massive MIMO. IEEE Wireless Communications Letters, 2021, 10, 102-106.	5.0	4
36	Joint Traffic Signal and Connected Vehicle Control in IoV via Deep Reinforcement Learning. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
37	How to calibrate massive MIMO?. , 2015, , .		3
38	A queuing method for adaptive censoring in big data processing. , 2017, , .		3
39	MIDAR: Massive MIMO Based Detection and Ranging. , 2018, , .		3
40	A Non-Stationary Online Learning Approach to Mobility Management. , 2018, , .		3
41	Optimal Interconnection for Massive MIMO Self-Calibration. , 2018, , .		3
42	A Restless MAB-Based Index Policy for UL Pilot Allocation in Massive MIMO Over Gaussi�Markov Fading Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 3034-3047.	6.3	3
43	Pilot decontamination via Doppler PSD alignment. , 2016, , .		2
44	How to Interconnect for Massive Mimo Self-Calibration?. , 2018, , .		2
45	Task Offloading Policy for Nodes with Energy Harvesting Capabilities. , 2019, , .		2
46	Three-Dimensional Channel Power Spectrum Extraction in Massive MIMO for Industrial IoT. IEEE Internet of Things Journal, 2020, 7, 11170-11182.	8.7	2
47	Optimal Query Policy and Task Offloading in Dynamic Environments. , 2020, , .		2
48	Greedy Hybrid Rate Adaptation in Dynamic Wireless Communication Environment. , 2020, , .		2
49	Joint Control of Power, Beamwidth, and Spacing for Platoon-Based Vehicular Cyber-Physical Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 8615-8629.	6.3	2
50	Compressive massive MIMO calibration. , 2016, , .		1
51	Traffic-aware association in heterogeneous networks. , 2016, , .		1
52	Massive MIMO performance with timing & frequency errors. , 2017, , .		1
53	Learning graph structure with stationary graph signals via first-order approximation. , 2017, , .		1
54	Online compressive diagnosis of massive MIMO calibration state. Journal of Communications and Networks, 2017, 19, 666-677.	2.6	1

#	ARTICLE	IF	CITATIONS
55	HOW TO EXPLOIT MOBILITY TO MITIGATE PILOT CONTAMINATION?. , 2018, , .		1
56	ENERGY-AWARE SENSOR SCHEDULING IN DISTRIBUTED GAUSSIAN DETECTION. , 2018, , .		1
57	Task Offloading Strategy and Pricing Scheme in Fog-Enabled Networks. , 2019, , .		1
58	Uplink Pilot Allocation in Massive MIMO over Gauss-Markov Fading Channels. , 2019, , .		1
59	Global Traffic State Recovery VIA Local Observations with Generative Adversarial Networks. , 2020, , .		1
60	Serving Mobile Users in Intelligent Reflecting Surface Assisted Massive MIMO System. IEEE Transactions on Vehicular Technology, 2022, 71, 6384-6396.	6.3	1
61	Robust Large Scale Calibration for Massive MIMO. , 2014, , .		0
62	Hierarchical visible light communication system. , 2016, , .		0
63	Low-PAPR Multiplexing of Data and Pilots. , 2016, , .		0
64	Online censoring for real-time digital predistortion linearization of power amplifiers. , 2017, , .		0
65	Estimation of sparse equivalent graph filters with limited observations. , 2017, , .		0
66	Pilot Decontamination with Directional Doppler PSD in Massive MIMO. , 2018, , .		0
67	Optimal Frequency Reuse in HetNets With In-Band Relays. IEEE Access, 2018, 6, 67082-67094.	4.2	0
68	Sparse Spectrum Reuse in HetNets with Relays. , 2018, , .		0
69	Learn to Offload in Mobile Edge Computing. , 2019, , .		0
70	A study on CSI feedback schemes exploiting feedforward information in FDD cellular systems. Transactions on Emerging Telecommunications Technologies, 2021, 32, .	3.9	0
71	Analytical Framework for Multi-Task Multi-Helper Fog Networks. , 2020, , 61-98.		0
72	Optimal Configuration of Intelligent Walls for Interference Management in Smart Buildings. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
73	Social Bandit Learning: Strangers Can Help. , 2020, , .		0