Xiaofei Wang

List of Publications by Year
in descending order

77 papers	4,373 citations	304743 22 h-index	206112 48 g-index
77 all docs	77 docs citations	77 times ranked	4063 citing authors

#	Article	IF	Citations
1	Resource Management and Pricing for Cloud Computing Based Mobile Blockchain With Pooling. IEEE Transactions on Cloud Computing, 2023, 11, 128-138.	4.4	6
2	Improved Flow Awareness Among Edge Nodes by Learning-Based Sampling in Software Defined Networks. Mobile Networks and Applications, 2022, 27, 1867-1879.	3.3	0
3	Virtual Machine Placement Optimization in Mobile Cloud Gaming Through QoE-Oriented Resource Competition. IEEE Transactions on Cloud Computing, 2022, 10, 2204-2218.	4.4	28
4	Multitask Offloading Strategy Optimization Based on Directed Acyclic Graphs for Edge Computing. IEEE Internet of Things Journal, 2022, 9, 9367-9378.	8.7	38
5	Learn to Coordinate for Computation Offloading and Resource Allocation in Edge Computing: A Rational-Based Distributed Approach. IEEE Transactions on Network Science and Engineering, 2022, 9, 3136-3151.	6.4	7
6	Hierarchical Reinforcement Learning for Blockchain-Assisted Software Defined Industrial Energy Market. IEEE Transactions on Industrial Informatics, 2022, 18, 6100-6108.	11.3	9
7	MGFL: Multi-granularity Federated Learning in Edge Computing Systems. Lecture Notes in Computer Science, 2022, , 549-563.	1.3	1
8	Sleeping Cell Detection for Resiliency Enhancements in 5G/B5G Mobile Edge-Cloud Computing Networks. ACM Transactions on Sensor Networks, 2022, 18, 1-30.	3.6	3
9	EC-SAGINs: Edge-Computing-Enhanced Space–Air–Ground-Integrated Networks for Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 5742-5754.	8.7	59
10	Cluster-based content caching driven by popularity prediction. CCF Transactions on High Performance Computing, 2022, 4, 357-366.	1.7	3
11	EdgeMatrix: A Resources Redefined Edge-Cloud System for Prioritized Services. , 2022, , .		3
12	Integrating Edge Intelligence and Blockchain: What, Why, and How. IEEE Communications Surveys and Tutorials, 2022, 24, 2193-2229.	39.4	13
13	Integrating Social Networks with Mobile Device-to-Device Services. IEEE Transactions on Services Computing, 2021, 14, 1209-1223.	4.6	6
14	Networking Integrated Cloud–Edge–End in IoT: A Blockchain-Assisted Collective Q-Learning Approach. IEEE Internet of Things Journal, 2021, 8, 12694-12704.	8.7	67
15	Resource Trading with Hierarchical Game for Computing-Power Network Market. Lecture Notes in Computer Science, 2021, , 94-109.	1.3	0
16	Guest Editorial: Special Issue on Blockchain and Edge Computing Techniques for Emerging IoT Applications. IEEE Internet of Things Journal, 2021, 8, 2082-2086.	8.7	7
17	Federated-Learning-Empowered Collaborative Data Sharing for Vehicular Edge Networks. IEEE Network, 2021, 35, 116-124.	6.9	36
18	SimEdgeIntel: A open-source simulation platform for resource management in edge intelligence. Journal of Systems Architecture, 2021, 115, 102016.	4.3	18

#	Article	IF	Citations
19	Tailored Learning-Based Scheduling for Kubernetes-Oriented Edge-Cloud System. , 2021, , .		30
20	Energy-Time Efficient Task Offloading for Mobile Edge Computing in Hot-Spot Scenarios. , 2021, , .		2
21	Adaptive and Collaborative Edge Inference in Task Stream with Latency Constraint. , 2021, , .		5
22	Multi-Community Influence Maximization in Device-to-Device social networks. Knowledge-Based Systems, 2021, 221, 106944.	7.1	6
23	Anchored User Selection for Traffic Offloading Optimization in D2D-Aided Mobile-Edge Computing. IEEE Internet of Things Journal, 2021, 8, 16911-16920.	8.7	1
24	PAIRPQ: An Efficient Path Index for Regular Path Queries on Knowledge Graphs. Lecture Notes in Computer Science, 2021, , 106-120.	1.3	4
25	Attention-Weighted Federated Deep Reinforcement Learning for Device-to-Device Assisted Heterogeneous Collaborative Edge Caching. IEEE Journal on Selected Areas in Communications, 2021, 39, 154-169.	14.0	74
26	Spatial-Temporal-Correlation Multi-Feature-based Project Engineering and Prediction in Smart Grid. , 2021, , .		0
27	Socialized Learning for Smart Cities: Cognitive Paradigm, Methodology, and Solution. IEEE Wireless Communications, 2021, 28, 200-208.	9.0	7
28	Distributed Pregel-based provenance-aware regular path query processing on RDF knowledge graphs. World Wide Web, 2020, 23, 1465-1496.	4.0	20
29	Computation Offloading with Multiple Agents in Edge-Computing–Supported IoT. ACM Transactions on Sensor Networks, 2020, 16, 1-27.	3.6	57
30	Edge AI. , 2020, , .		22
31	AI-Chain: Blockchain Energized Edge Intelligence for Beyond 5G Networks. IEEE Network, 2020, 34, 62-69.	6.9	40
32	Federated Deep Reinforcement Learning for Internet of Things With Decentralized Cooperative Edge Caching. IEEE Internet of Things Journal, 2020, 7, 9441-9455.	8.7	220
33	STCS: Spatial-Temporal Collaborative Sampling in Flow-Aware Software Defined Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 999-1013.	14.0	43
34	Measurement and analysis on large-scale offline mobile app dissemination over device-to-device sharing in mobile social networks. World Wide Web, 2020, 23, 2363-2389.	4.0	2
35	Convergence of Edge Computing and Deep Learning: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 869-904.	39.4	776
36	Artificial Intelligence for Optimizing Edge. , 2020, , 117-134.		1

#	Article	IF	Citations
37	Content Sharing Prediction for Device-to-Device (D2D)-based Offline Mobile Social Networks by Network Representation Learning. Lecture Notes in Computer Science, 2020, , 112-126.	1.3	1
38	Mobile Edge Caching in HetNets. , 2020, , 868-873.		0
39	In-Edge AI: Intelligentizing Mobile Edge Computing, Caching and Communication by Federated Learning. IEEE Network, 2019, 33, 156-165.	6.9	645
40	Popularity-prediction-driven hierarchical caching in fog-cloud based radio access networks. , 2019, , .		1
41	Deep Reinforcement Learning for Cooperative Edge Caching in Future Mobile Networks. , 2019, , .		22
42	Edge Caching for D2D Enabled Hierarchical Wireless Networks with Deep Reinforcement Learning. Wireless Communications and Mobile Computing, 2019, 2019, 1-12.	1.2	8
43	Cognitive-LPWAN: Towards Intelligent Wireless Services in Hybrid Low Power Wide Area Networks. IEEE Transactions on Green Communications and Networking, 2019, 3, 409-417.	5.5	86
44	D2D Big Data: Content Deliveries over Wireless Device-to-Device Sharing in Large-Scale Mobile Networks. IEEE Wireless Communications, 2018, 25, 32-38.	9.0	128
45	Large Scale Measurement and Analytics on Social Groups of Device-to-Device Sharing in Mobile Social Networks. Mobile Networks and Applications, 2018, 23, 203-215.	3.3	8
46	Edge Caching via Content Offloading in Heterogeneous Mobile Opportunistic Networks. , 2018, , .		3
47	Mobile Edge Caching in HetNets. , 2018, , 1-5.		0
48	Q-Learning Based Edge Caching Optimization for D2D Enabled Hierarchical Wireless Networks. , 2018, , .		10
49	Resource allocation for cache-enabled cloud-based small cell networks. Computer Communications, 2018, 127, 20-29.	5.1	10
50	Guest Editorial Special Issue on Software Defined Networking for Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1347-1350.	8.7	2
51	Hierarchical Edge Caching in Device-to-Device Aided Mobile Networks: Modeling, Optimization, and Design. IEEE Journal on Selected Areas in Communications, 2018, 36, 1768-1785.	14.0	98
52	A backoff algorithm based on self-adaptive contention window update factor for IEEE 802.11 DCF. Wireless Networks, 2017, 23, 749-758.	3.0	25
53	A Fairness-Aware Pricing Methodology for Revenue Enhancement in Service Cloud Infrastructure. IEEE Systems Journal, 2017, 11, 1006-1017.	4.6	16
54	QoSâ€aware energyâ€efficient resource allocation in OFDMâ€based heterogenous cellular networks. International Journal of Communication Systems, 2017, 30, e2931.	2.5	15

#	Article	IF	Citations
55	Smart Home 2.0: Innovative Smart Home System Powered by Botanical IoT and Emotion Detection. Mobile Networks and Applications, 2017, 22, 1159-1169.	3.3	87
56	CaaS: Caching as a Service for 5G Networks. IEEE Access, 2017, 5, 5982-5993.	4.2	46
57	A measurement study of device–to–device sharing in mobile social networks based on *Spark*. Concurrency Computation Practice and Experience, 2017, 29, e4021.	2.2	13
58	Foreword to the special issue on networked system security and efficiency. Concurrency Computation Practice and Experience, 2017, 29, e4227.	2.2	0
59	Collaborative Multi-Tier Caching in Heterogeneous Networks: Modeling, Analysis, and Design. IEEE Transactions on Wireless Communications, 2017, 16, 6926-6939.	9.2	97
60	Serendipity of Sharing: Large-Scale Measurement and Analytics for Device-to-Device (D2D) Content Sharing in Mobile Social Networks. , 2017, , .		20
61	Collaborative hierarchical caching in cloud radio access networks. , 2017, , .		6
62	Spark-Based Measurement and Analysis on Offline Mobile Application Market over Device-to-Device Sharing in Mobile Social Networks. , 2017, , .		5
63	Optimizing power allocation in wireless networks: Are the implicit constraints really redundant?. Computer Communications, 2017, 111, 153-164.	5.1	4
64	Resource Allocation for Content Delivery in Cache-Enabled OFDMA Small Cell Networks. , 2017, , .		1
65	Weighted network traffic offloading in cache-enabled heterogeneous networks. , 2016, , .		32
66	Energy Efficiency Optimization: Joint Antenna-Subcarrier-Power Allocation in OFDM-DASs. IEEE Transactions on Wireless Communications, 2016, 15, 7470-7483.	9.2	38
67	Tag-assisted social-aware opportunistic device-to-device sharing for traffic offloading in mobile social networks. IEEE Wireless Communications, 2016, 23, 60-67.	9.0	50
68	A Framework of Cooperative Cell Caching for the Future Mobile Networks. , 2015, , .		31
69	Cognitive Resource Optimization for the Decomposed Cloud Gaming Platform. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 2038-2051.	8.3	16
70	Quality-of-Experience Optimization for a Cloud Gaming System With *Ad Hoc* Cloudlet Assistance. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 2092-2104.	8.3	18
71	Artificial Intelligence-Based Techniques for Emerging Heterogeneous Network: State of the Arts, Opportunities, and Challenges. IEEE Access, 2015, 3, 1379-1391.	4.2	133
72	Delay performance analysis of cooperative cell caching in future mobile networks. , 2015, , .		58

#	Article	IF	Citations
73	TASA: traffic offloading by tag-assisted social-aware opportunistic sharing in mobile social networks. , 2015, , .		6
74	COMER: Cloud-based medicine recommendation. , 2014, , .		4
75	Reputation-based multiplayer fairness for ad-hoc cloudlet-assisted cloud gaming system. , 2014, , .		2
76	Cache in the air: exploiting content caching and delivery techniques for 5G systems. , 2014, 52, 131-139.		920
77	TOSS: Traffic offloading by social network service-based opportunistic sharing in mobile social networks. , 2014, , .		94