

Ning Zhang

List of Publications by Year in descending order

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274
papers

12,214
citations

22153

59
h-index

36028

97
g-index

289
all docs

289
docs citations

289
times ranked

9226
citing authors

#	ARTICLE	IF	CITATIONS
1	Connected Vehicles: Solutions and Challenges. IEEE Internet of Things Journal, 2014, 1, 289-299.	8.7	913
2	A Survey of Distributed Consensus Protocols for Blockchain Networks. IEEE Communications Surveys and Tutorials, 2020, 22, 1432-1465.	39.4	470
3	Software Defined Space-Air-Ground Integrated Vehicular Networks: Challenges and Solutions. , 2017, 55, 101-109.		359
4	Cloud assisted HetNets toward 5G wireless networks. , 2015, 53, 59-65.		296
5	A Survey on Service Migration in Mobile Edge Computing. IEEE Access, 2018, 6, 23511-23528.	4.2	270
6	A Secure Charging Scheme for Electric Vehicles With Smart Communities in Energy Blockchain. IEEE Internet of Things Journal, 2019, 6, 4601-4613.	8.7	247
7	Delay-Aware Microservice Coordination in Mobile Edge Computing: A Reinforcement Learning Approach. IEEE Transactions on Mobile Computing, 2021, 20, 939-951.	5.8	217
8	Drone Assisted Vehicular Networks: Architecture, Challenges and Opportunities. IEEE Network, 2018, 32, 130-137.	6.9	212
9	Energy Efficient Dynamic Offloading in Mobile Edge Computing for Internet of Things. IEEE Transactions on Cloud Computing, 2021, 9, 1050-1060.	4.4	184
10	Dynamic Channel Access to Improve Energy Efficiency in Cognitive Radio Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3143-3156.	9.2	178
11	Energy-Harvesting-Aided Spectrum Sensing and Data Transmission in Heterogeneous Cognitive Radio Sensor Network. IEEE Transactions on Vehicular Technology, 2017, 66, 831-843.	6.3	173
12	Synergy of Big Data and 5G Wireless Networks: Opportunities, Approaches, and Challenges. IEEE Wireless Communications, 2018, 25, 12-18.	9.0	165
13	Unified Biometric Privacy Preserving Three-Factor Authentication and Key Agreement for Cloud-Assisted Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 9390-9401.	6.3	160
14	BSIS: Blockchain-Based Secure Incentive Scheme for Energy Delivery in Vehicular Energy Network. IEEE Transactions on Industrial Informatics, 2019, 15, 3620-3631.	11.3	159
15	Utility-Optimal Resource Management and Allocation Algorithm for Energy Harvesting Cognitive Radio Sensor Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 3552-3565.	14.0	155
16	Partner selection and incentive mechanism for physical layer security. IEEE Transactions on Wireless Communications, 2015, 14, 4265-4276.	9.2	145
17	S2M: A Lightweight Acoustic Fingerprints-Based Wireless Device Authentication Protocol. IEEE Internet of Things Journal, 2017, 4, 88-100.	8.7	144
18	Content Popularity Prediction Towards Location-Aware Mobile Edge Caching. IEEE Transactions on Multimedia, 2019, 21, 915-929.	7.2	142

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19	Energy-Aware Traffic Offloading for Green Heterogeneous Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 1116-1129.	14.0	141
20	Cooperative UAV Cluster-Assisted Terrestrial Cellular Networks for Ubiquitous Coverage. IEEE Journal on Selected Areas in Communications, 2018, 36, 2045-2058.	14.0	141
21	Online Proactive Caching in Mobile Edge Computing Using Bidirectional Deep Recurrent Neural Network. IEEE Internet of Things Journal, 2019, 6, 5520-5530.	8.7	131
22	Cooperative Spectrum Access Towards Secure Information Transfer for CRNs. IEEE Journal on Selected Areas in Communications, 2013, 31, 2453-2464.	14.0	129
23	DeepEDN: A Deep-Learning-Based Image Encryption and Decryption Network for Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 1504-1518.	8.7	119
24	Learning in the Air: Secure Federated Learning for UAV-Assisted Crowdsensing. IEEE Transactions on Network Science and Engineering, 2021, 8, 1055-1069.	6.4	119
25	Opportunistic Spectrum Access for CR-VANETs: A Game-Theoretic Approach. IEEE Transactions on Vehicular Technology, 2014, 63, 237-251.	6.3	117
26	Joint Admission Control and Resource Allocation in Edge Computing for Internet of Things. IEEE Network, 2018, 32, 72-79.	6.9	117
27	Dynamic Spectrum Access in Multi-Channel Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 2053-2064.	14.0	116
28	LVBS: Lightweight Vehicular Blockchain for Secure Data Sharing in Disaster Rescue. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 19-32.	5.4	116
29	Multiple Drone-Cell Deployment Analyses and Optimization in Drone Assisted Radio Access Networks. IEEE Access, 2018, 6, 12518-12529.	4.2	114
30	TOFFEE: Task Offloading and Frequency Scaling for Energy Efficiency of Mobile Devices in Mobile Edge Computing. IEEE Transactions on Cloud Computing, 2021, 9, 1634-1644.	4.4	101
31	Delay-Aware and Energy-Efficient Computation Offloading in Mobile-Edge Computing Using Deep Reinforcement Learning. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 881-892.	7.9	101
32	Computation Offloading in Beyond 5G Networks: A Distributed Learning Framework and Applications. IEEE Wireless Communications, 2021, 28, 56-62.	9.0	100
33	Dynamic Computation Offloading in Edge Computing for Internet of Things. IEEE Internet of Things Journal, 2019, 6, 4242-4251.	8.7	98
34	Performance Analysis of Vehicular Device-to-Device Underlay Communication. IEEE Transactions on Vehicular Technology, 2017, 66, 5409-5421.	6.3	93
35	Vehicular WiFi offloading: Challenges and solutions. Vehicular Communications, 2014, 1, 13-21.	4.0	92
36	Fast mmwave Beam Alignment via Correlated Bandit Learning. IEEE Transactions on Wireless Communications, 2019, 18, 5894-5908.	9.2	89

#	ARTICLE	IF	CITATIONS
37	Opportunistic WiFi Offloading in Vehicular Environment: A Game-Theory Approach. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1944-1955.	8.0	85
38	Optimal Power Control in Ultra-Dense Small Cell Networks: A Game-Theoretic Approach. IEEE Transactions on Wireless Communications, 2017, 16, 4139-4150.	9.2	85
39	Secure and Efficient Federated Learning for Smart Grid With Edge-Cloud Collaboration. IEEE Transactions on Industrial Informatics, 2022, 18, 1333-1344.	11.3	85
40	Optimizing Federated Learning in Distributed Industrial IoT: A Multi-Agent Approach. IEEE Journal on Selected Areas in Communications, 2021, 39, 3688-3703.	14.0	84
41	Risk-Aware Cooperative Spectrum Access for Multi-Channel Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 516-527.	14.0	82
42	Vehicles Meet Infrastructure: Toward Capacity-Cost Tradeoffs for Vehicular Access Networks. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1266-1277.	8.0	81
43	Software Defined Networking Enabled Wireless Network Virtualization: Challenges and Solutions. IEEE Network, 2017, 31, 42-49.	6.9	80
44	Catalyzing Cloud-Fog Interoperation in 5G Wireless Networks: An SDN Approach. IEEE Network, 2017, 31, 14-20.	6.9	80
45	DDC: Dynamic duty cycle for improving delay and energy efficiency in wireless sensor networks. Journal of Network and Computer Applications, 2019, 131, 16-27.	9.1	78
46	SS-MAC: A Novel Time Slot-Sharing MAC for Safety Messages Broadcasting in VANETs. IEEE Transactions on Vehicular Technology, 2018, 67, 3586-3597.	6.3	76
47	Multi-Resource Coordinate Scheduling for Earth Observation in Space Information Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 268-279.	14.0	76
48	Differentially Private Smart Metering With Fault Tolerance and Range-Based Filtering. IEEE Transactions on Smart Grid, 2017, 8, 2483-2493.	9.0	75
49	Enhancing Cloud-Based IoT Security Through Trustworthy Cloud Service: An Integration of Security and Reputation Approach. IEEE Access, 2019, 7, 9368-9383.	4.2	73
50	Wireless-Powered Over-the-Air Computation in Intelligent Reflecting Surface-Aided IoT Networks. IEEE Internet of Things Journal, 2021, 8, 1585-1598.	8.7	72
51	Deep Reinforcement Learning for Throughput Improvement of the Uplink Grant-Free NOMA System. IEEE Internet of Things Journal, 2020, 7, 6369-6379.	8.7	71
52	SPDS: A Secure and Auditable Private Data Sharing Scheme for Smart Grid Based on Blockchain. IEEE Transactions on Industrial Informatics, 2021, 17, 7688-7699.	11.3	71
53	QoE Driven Decentralized Spectrum Sharing in 5G Networks: Potential Game Approach. IEEE Transactions on Vehicular Technology, 2017, 66, 7797-7808.	6.3	69
54	Computation Rate Maximization for Intelligent Reflecting Surface Enhanced Wireless Powered Mobile Edge Computing Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 10820-10831.	6.3	69

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55	Performance Analysis of the Hybrid Satellite-Terrestrial Relay Network With Opportunistic Scheduling Over Generalized Fading Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 2914-2924.	6.3	68
56	Joint Channel Access and Sampling Rate Control in Energy Harvesting Cognitive Radio Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 149-161.	4.6	67
57	Variational Graph Neural Networks for Road Traffic Prediction in Intelligent Transportation Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 2802-2812.	11.3	67
58	Vehicle Assisted Computing Offloading for Unmanned Aerial Vehicles in Smart City. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1932-1944.	8.0	67
59	Joint Multi-User Computation Offloading and Data Caching for Hybrid Mobile Cloud/Edge Computing. IEEE Transactions on Vehicular Technology, 2019, 68, 11018-11030.	6.3	66
60	Blockchain-Empowered Space-Air-Ground Integrated Networks: Opportunities, Challenges, and Solutions. IEEE Communications Surveys and Tutorials, 2022, 24, 160-209.	39.4	66
61	Service-Oriented Dynamic Connection Management for Software-Defined Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2826-2837.	8.0	65
62	Optimizing Trajectory of Unmanned Aerial Vehicles for Efficient Data Acquisition: A Matrix Completion Approach. IEEE Internet of Things Journal, 2019, 6, 1829-1840.	8.7	65
63	Energy-Efficient UAV-Enabled Data Collection via Wireless Charging: A Reinforcement Learning Approach. IEEE Internet of Things Journal, 2021, 8, 10209-10219.	8.7	61
64	Beef Up mmWave Dense Cellular Networks With D2D-Assisted Cooperative Edge Caching. IEEE Transactions on Vehicular Technology, 2019, 68, 3890-3904.	6.3	60
65	Energy-Efficient and Secure Air-to-Ground Communication With Jittering UAV. IEEE Transactions on Vehicular Technology, 2020, 69, 3954-3967.	6.3	58
66	Three-factor authentication protocol using physical unclonable function for IoV. Computer Communications, 2021, 173, 45-55.	5.1	58
67	Edge Coordinated Query Configuration for Low-Latency and Accurate Video Analytics. IEEE Transactions on Industrial Informatics, 2020, 16, 4855-4864.	11.3	57
68	A Novel Charging Scheme for Electric Vehicles With Smart Communities in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 8487-8501.	6.3	56
69	Joint Unmanned Aerial Vehicle (UAV) Deployment and Power Control for Internet of Things Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4367-4378.	6.3	55
70	Cost-Effective Cache Deployment in Mobile Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 11264-11276.	6.3	54
71	A trusted energy trading framework by marrying blockchain and optimization. Advances in Applied Energy, 2021, 2, 100029.	13.2	53
72	Identifying the Most Valuable Workers in Fog-Assisted Spatial Crowdsourcing. IEEE Internet of Things Journal, 2017, 4, 1193-1203.	8.7	52

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73	LACS: A Lightweight Label-Based Access Control Scheme in IoT-Based 5G Caching Context. IEEE Access, 2017, 5, 4018-4027.	4.2	51
74	Air-Ground Integrated Mobile Edge Networks: A Survey. IEEE Access, 2020, 8, 125998-126018.	4.2	51
75	TV White Space Enabled Connected Vehicle Networks: Challenges and Solutions. IEEE Network, 2017, 31, 6-13.	6.9	50
76	Physical-Layer Authentication for Internet of Things via WFRFT-Based Gaussian Tag Embedding. IEEE Internet of Things Journal, 2020, 7, 9001-9010.	8.7	50
77	On Physical Layer Security: Weighted Fractional Fourier Transform Based User Cooperation. IEEE Transactions on Wireless Communications, 2017, 16, 5498-5510.	9.2	49
78	PCP: A Privacy-Preserving Content-Based Publish-Subscribe Scheme With Differential Privacy in Fog Computing. IEEE Access, 2017, 5, 17962-17974.	4.2	49
79	Self-Sustaining Caching Stations: Toward Cost-Effective 5G-Enabled Vehicular Networks. , 2017, 55, 202-208.		48
80	RAV: Relay Aided Vectorized Secure Transmission in Physical Layer Security for Internet of Things Under Active Attacks. IEEE Internet of Things Journal, 2019, 6, 8496-8506.	8.7	48
81	Learning-Aided User Identification Using Smartphone Sensors for Smart Homes. IEEE Internet of Things Journal, 2019, 6, 7760-7772.	8.7	47
82	Energy and Information Management of Electric Vehicular Network: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 967-997.	39.4	47
83	Autonomous Channel Switching: Towards Efficient Spectrum Sharing for Industrial Wireless Sensor Networks. IEEE Internet of Things Journal, 2016, 3, 231-243.	8.7	46
84	A Services Routing Based Caching Scheme for Cloud Assisted CRNs. IEEE Access, 2018, 6, 15787-15805.	4.2	46
85	Construction of Large-Scale Low-Cost Delivery Infrastructure Using Vehicular Networks. IEEE Access, 2018, 6, 21482-21497.	4.2	46
86	Beyond Coexistence: Traffic Steering in LTE Networks with Unlicensed Bands. IEEE Wireless Communications, 2016, 23, 40-46.	9.0	45
87	Road Damage Detection Using RetinaNet. , 2018, , .		44
88	QoE-Driven Edge Caching in Vehicle Networks Based on Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 5286-5295.	6.3	42
89	Channel-based physical layer authentication. , 2014, , .		41
90	Opportunistic WiFi offloading in vehicular environment: A queueing analysis. , 2014, , .		41

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91	Spatial Coordinated Medium Sharing: Optimal Access Control Management in Drive-Thru Internet. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2673-2686.	8.0	41
92	An LDPC Code Based Physical Layer Message Authentication Scheme With Perfect Security. IEEE Journal on Selected Areas in Communications, 2018, 36, 748-761.	14.0	41
93	Leveraging High Order Cumulants for Spectrum Sensing and Power Recognition in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2018, 17, 1298-1310.	9.2	41
94	Delay-Aware VNF Scheduling: A Reinforcement Learning Approach With Variable Action Set. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 304-318.	7.9	40
95	Vehicle-assisted device-to-device data delivery for smart grid. IEEE Transactions on Vehicular Technology, 2016, 65, 2325-2340.	6.3	39
96	Minimum-cost mobile crowdsourcing with QoS guarantee using matrix completion technique. Pervasive and Mobile Computing, 2018, 49, 23-44.	3.3	39
97	A blockchain consensus mechanism that uses Proof of Solution to optimize energy dispatch and trading. Nature Energy, 2022, 7, 495-502.	39.5	39
98	Toward Energy-Efficient and Robust Large-Scale WSNs: A Scale-Free Network Approach. IEEE Journal on Selected Areas in Communications, 2016, 34, 4035-4047.	14.0	38
99	Performance Analysis of IEEE 802.15.6-Based Coexisting Mobile WBANs With Prioritized Traffic and Dynamic Interference. IEEE Transactions on Wireless Communications, 2018, 17, 5637-5652.	9.2	38
100	Physical Layer based Message Authentication with Secure Channel Codes. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 1079-1093.	5.4	38
101	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
102	Deep Learning Based Plant Disease Detection for Smart Agriculture. , 2019, , .		37
103	Joint Route Selection and Charging Discharging Scheduling of EVs in V2G Energy Network. IEEE Transactions on Vehicular Technology, 2020, 69, 10630-10641.	6.3	36
104	PrivacyGuard: Enforcing Private Data Usage Control with Blockchain and Attested Off-Chain Contract Execution. Lecture Notes in Computer Science, 2020, , 610-629.	1.3	35
105	A Trust With Abstract Information Verified Routing Scheme for Cyber-Physical Network. IEEE Access, 2018, 6, 3882-3898.	4.2	34
106	Trust-Evaluation-Based Intrusion Detection and Reinforcement Learning in Autonomous Driving. IEEE Network, 2019, 33, 54-60.	6.9	33
107	A Cloud-Guided Feature Extraction Approach for Image Retrieval in Mobile Edge Computing. IEEE Transactions on Mobile Computing, 2021, 20, 292-305.	5.8	33
108	Shake to Communicate: Secure Handshake Acceleration-Based Pairing Mechanism for Wrist Worn Devices. IEEE Internet of Things Journal, 2019, 6, 5618-5630.	8.7	31

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109	Cell-Edge User Offloading via Flying UAV in Non-Uniform Heterogeneous Cellular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 2411-2426.	9.2	31
110	Blockchain-Based Secure and Cooperative Private Charging Pile Sharing Services for Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 1857-1874.	6.3	31
111	Analysis of mobile WiMAX security: Vulnerabilities and solutions. , 2008, , .		30
112	mmWave IEEE 802.11ay for 5G Fixed Wireless Access. IEEE Wireless Communications, 2020, 27, 88-95.	9.0	30
113	Joint Resource Allocation and Online Virtual Network Embedding for 5G Networks. , 2017, , .		29
114	ToStaGAN: An end-to-end two-stage generative adversarial network for brain tumor segmentation. Neurocomputing, 2021, 462, 141-153.	5.9	29
115	Sec-D2D: A Secure and Lightweight D2D Communication System With Multiple Sensors. IEEE Access, 2019, 7, 33759-33770.	4.2	28
116	AI-Empowered Maritime Internet of Things: A Parallel-Network-Driven Approach. IEEE Network, 2020, 34, 54-59.	6.9	28
117	Latency Minimization of Reverse Offloading in Vehicular Edge Computing. IEEE Transactions on Vehicular Technology, 2022, 71, 5343-5357.	6.3	28
118	Energy-efficient and trust-aware cooperation in cognitive radio networks. , 2012, , .		27
119	Energy-Sustainable Traffic Steering for 5G Mobile Networks. , 2017, 55, 54-60.		27
120	Mobile Wireless Rechargeable UAV Networks: Challenges and Solutions. IEEE Communications Magazine, 2022, 60, 33-39.	6.1	26
121	Cooperative heterogeneous framework for spectrum harvesting in cognitive cellular network. , 2015, 53, 60-67.		25
122	Cost-effective vehicular network planning with cache-enabled green roadside units. , 2017, , .		25
123	A survey on sleep mode techniques for ultra-dense networks in 5G and beyond. Computer Networks, 2021, 201, 108567.	5.1	25
124	FedSTN: Graph Representation Driven Federated Learning for Edge Computing Enabled Urban Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 8738-8748.	8.0	25
125	Wi-Fi Hotspot at Signalized Intersection: Cost-Effectiveness for Vehicular Internet Access. IEEE Transactions on Vehicular Technology, 2016, 65, 3506-3518.	6.3	24
126	On Base Station Coordination in Cache- and Energy Harvesting-Enabled HetNets: A Stochastic Geometry Study. IEEE Transactions on Communications, 2018, 66, 3079-3091.	7.8	24

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127	Two-Factor Authentication Protocol Using Physical Unclonable Function for IoV. , 2019, , .		24
128	TruSense: Information Leakage from TrustZone. , 2018, , .		23
129	Orchestrating Data as a Services-Based Computing and Communication Model for Information-Centric Internet of Things. IEEE Access, 2018, 6, 38900-38920.	4.2	23
130	Reward or Penalty: Aligning Incentives of Stakeholders in Crowdsourcing. IEEE Transactions on Mobile Computing, 2019, 18, 974-985.	5.8	23
131	DeepSlicing: Deep Reinforcement Learning Assisted Resource Allocation for Network Slicing. , 2020, , .		23
132	Cooperative Computation Offloading for UAVs: A Joint Radio and Computing Resource Allocation Approach. , 2018, , .		22
133	Trust Based Secure Content Delivery in Vehicular Networks: A Bargaining Game Theoretical Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 3267-3279.	6.3	22
134	A Cooperative Matching Approach for Resource Management in Dynamic Spectrum Access Networks. IEEE Transactions on Wireless Communications, 2014, 13, 1047-1057.	9.2	21
135	Channel Precoding Based Message Authentication in Wireless Networks: Challenges and Solutions. IEEE Network, 2019, 33, 99-105.	6.9	21
136	A Secure and Efficient Wireless Charging Scheme for Electric Vehicles in Vehicular Energy Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 1491-1508.	6.3	21
137	SDN-Based Framework for the PEV Integrated Smart Grid. IEEE Network, 2017, 31, 14-21.	6.9	20
138	UAV-Aided Covert Communication With a Multi-Antenna Jammer. IEEE Transactions on Vehicular Technology, 2021, 70, 11619-11631.	6.3	19
139	Joint Road Side Units Selection and Resource Allocation in Vehicular Edge Computing. IEEE Transactions on Vehicular Technology, 2021, 70, 13190-13204.	6.3	18
140	Disaster Relief Wireless Networks: Challenges and Solutions. IEEE Wireless Communications, 2021, 28, 148-155.	9.0	18
141	Secure and Lightweight Authentication With Key Agreement for Smart Wearable Systems. IEEE Internet of Things Journal, 2020, 7, 7334-7344.	8.7	17
142	Incentive-Driven Task Allocation for Collaborative Edge Computing in Industrial Internet of Things. IEEE Internet of Things Journal, 2022, 9, 706-718.	8.7	17
143	Secrecy Performance Analysis of Air-to-Ground Communication With UAV Jitter and Multiple Random Walking Eavesdroppers. IEEE Transactions on Vehicular Technology, 2021, 70, 572-584.	6.3	17
144	ContainerGuard: A Real-Time Attack Detection System in Container-Based Big Data Platform. IEEE Transactions on Industrial Informatics, 2022, 18, 3327-3336.	11.3	17

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145	Adaptive Beaconing Based MAC Protocol for Sensor Based Wearable System. IEEE Access, 2018, 6, 29700-29714.	4.2	16
146	Channel-Based Optimal Back-Off Delay Control in Delay-Constrained Industrial WSNs. IEEE Transactions on Wireless Communications, 2020, 19, 696-711.	9.2	16
147	Deep Reinforcement Learning Based Online Network Selection in CRNs With Multiple Primary Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 7691-7699.	11.3	16
148	Multuser Scheduling for Minimizing Age of Information in Uplink MIMO Systems. , 2020, , .		16
149	Exploiting Error-Correction-CRC for Polar SCL Decoding: A Deep Learning-Based Approach. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 817-828.	7.9	15
150	Multiservice Function Chain Embedding With Delay Guarantee: A Game-Theoretical Approach. IEEE Internet of Things Journal, 2021, 8, 11219-11232.	8.7	15
151	Vehicle-assisted data delivery for smart grid: An optimal stopping approach. , 2013, , .		14
152	Cost-Efficient Resource Provisioning in Cloud Assisted Mobile Edge Computing. , 2017, , .		14
153	Content-Aware Cooperative Transmission in HetNets With Consideration of Base Station Height. IEEE Transactions on Vehicular Technology, 2018, 67, 6048-6062.	6.3	14
154	Repairable Fountain Coded Storage Systems for Multi-Tier Mobile Edge Caching Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 2310-2322.	6.4	14
155	Service Coordination in the Space-Air-Ground Integrated Network. IEEE Network, 2021, 35, 168-173.	6.9	14
156	Incentive Mechanism for Cached-Enabled Small Cell Sharing: A Stackelberg Game Approach. , 2017, , .		13
157	On Effective Capacity and Effective Energy Efficiency in Relay-Assisted Wireless Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4389-4400.	6.3	13
158	Performance Analysis and Enhancement of Beamforming Training in 802.11ad. IEEE Transactions on Vehicular Technology, 2020, 69, 5293-5306.	6.3	13
159	Safeguarding Physical Layer Security Using Weighted Fractional Fourier Transform. , 2016, , .		12
160	GAN and Multi-Agent DRL Based Decentralized Traffic Light Signal Control. IEEE Transactions on Vehicular Technology, 2022, 71, 1333-1348.	6.3	12
161	Energy-Efficient Collaborative Offloading in NOMA-Enabled Fog Computing for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 13794-13807.	8.7	12
162	Cooperative networking towards secure communications for CRNs. , 2013, , .		11

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163	3D Drone-cell deployment optimization for drone assisted radio access networks. , 2017, , .		11
164	Contract Based Energy Blockchain for Secure Electric Vehicles Charging in Smart Community. , 2018, , .		11
165	A Privacy-Aware and Traceable Fine-Grained Data Delivery System in Cloud-Assisted Healthcare IIoT. IEEE Internet of Things Journal, 2021, 8, 10034-10046.	8.7	11
166	Enhance the edge with beamforming: Performance analysis of beamforming-enabled WLAN. , 2018, , .		10
167	Joint Placement of UPF and Edge Server for 6G Network. IEEE Internet of Things Journal, 2021, 8, 16370-16378.	8.7	10
168	Multiple High-Order Cumulants-Based Spectrum Sensing in Full-Duplex-Enabled Cognitive IoT Networks. IEEE Internet of Things Journal, 2021, 8, 9330-9343.	8.7	10
169	Age-Oriented Transmission Protocol Design in Space-Air-Ground Integrated Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5573-5585.	9.2	10
170	Database-assisted dynamic spectrum access with QoS guarantees: A double-phase auction approach. China Communications, 2015, 12, 66-77.	3.2	9
171	Elastic Energy Distribution of Local Area Packetized Power Networks to Mitigate Distribution Level Load Fluctuation. IEEE Access, 2018, 6, 8219-8231.	4.2	9
172	Nonlinear Pricing Based Distributed Offloading in Multi-User Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2021, 70, 1077-1082.	6.3	9
173	Reverse Offloading for Latency Minimization in Vehicular Edge Computing. , 2021, , .		9
174	Energy-Efficient Resource Allocation for Mobile Edge Computing With Multiple Relays. IEEE Internet of Things Journal, 2022, 9, 10732-10750.	8.7	9
175	Edge Learning for Low-Latency Video Analytics: Query Scheduling and Resource Allocation. , 2021, , .		9
176	Cooperative cognitive radio networking for opportunistic channel access. , 2013, , .		8
177	Green-oriented user-satisfaction aware WiFi offloading in HetNets. IET Communications, 2018, 12, 501-508.	2.2	8
178	Joint Computation and Communication Resource Allocation for Energy-Efficient Mobile Edge Networks. , 2019, , .		8
179	Age-Optimal Mobile Elements Scheduling for Recharging and Data Collection in Green IIoT. IEEE Access, 2020, 8, 81765-81775.	4.2	8
180	Energy-Efficient Content Placement With Coded Transmission in Cache-Enabled Hierarchical Industrial Internet of Things Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 5699-5708.	11.3	8

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181	FLeX: Trading Edge Computing Resources for Federated Learning via Blockchain. , 2021, , .		8
182	Multi-message Authentication over Noisy Channel with Polar Codes. , 2017, , .		7
183	Joint Scheduling of Observation and Transmission in Earth Observation Satellite Networks. , 2017, , .		7
184	Collaborative Computing in Vehicular Networks: A Deep Reinforcement Learning Approach. , 2020, , .		7
185	Differential Game Approach for Attack-Defense Strategy Analysis in Internet of Things Networks. IEEE Internet of Things Journal, 2022, 9, 10340-10353.	8.7	7
186	PN Ranging Based on Noncommensurate Sampling: Zero-Bias Mitigation Methods. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 926-940.	4.7	6
187	Capacity- and Trust-Aware BS Cooperation in Nonuniform HetNets: Spectral Efficiency and Optimal BS Density. IEEE Transactions on Vehicular Technology, 2017, 66, 11317-11329.	6.3	6
188	Dynamic Mobile Edge Caching with Location Differentiation. , 2017, , .		6
189	Reinforcement Learning Based VNF Scheduling with End-to-End Delay Guarantee. , 2019, , .		6
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