

# Zhu Han

## List of Publications by Year in descending order

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1,009  
papers

42,589  
citations

4146

87  
h-index

5679

162  
g-index

1024  
all docs

1024  
docs citations

1024  
times ranked

21348  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Dispersed Federated Learning Framework for 6G-Enabled Autonomous Driving Cars. IEEE Transactions on Network Science and Engineering, 2024, , 1-12.	6.4	14
2	Contract-Theory-Based Incentive Design Mechanism for Opportunistic IoT Networks. IEEE Internet of Things Journal, 2023, 10, 2881-2892.	8.7	4
3	Data-Driven Transportation Network Company Vehicle Scheduling With Users's Location Differential Privacy Preservation. IEEE Transactions on Mobile Computing, 2023, 22, 813-823.	5.8	7
4	Radio and Computing Resource Allocation in Co-Located Edge Computing: A Generalized Nash Equilibrium Model. IEEE Transactions on Mobile Computing, 2023, 22, 2340-2352.	5.8	7
5	Stochastic Coded Offloading Scheme for Unmanned-Aerial-Vehicle-Assisted Edge Computing. IEEE Internet of Things Journal, 2023, 10, 5626-5643.	8.7	4
6	Hierarchical Aerial Computing for Internet of Things via Cooperation of HAPs and UAVs. IEEE Internet of Things Journal, 2023, 10, 5676-5688.	8.7	25
7	Privacy-Aware Laser Wireless Power Transfer for Aerial Multi-Access Edge Computing: A Colonel Blotto Game Approach. IEEE Internet of Things Journal, 2023, 10, 5923-5939.	8.7	2
8	LEAF + AIO: Edge-Assisted Energy-Aware Object Detection for Mobile Augmented Reality. IEEE Transactions on Mobile Computing, 2023, 22, 5933-5948.	5.8	4
9	Quickest Detection of False Data Injection Attacks in Smart Grid with Dynamic Models. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1292-1302.	5.4	12
10	Two-Tier Matching Game in Small Cell Networks for Mobile Edge Computing. IEEE Transactions on Services Computing, 2022, 15, 254-265.	4.6	21
11	Auction Design for Edge Computation Offloading in SDN-Based Ultra Dense Networks. IEEE Transactions on Mobile Computing, 2022, 21, 1580-1595.	5.8	19
12	Pricing and Resource Allocation Optimization for IoT Fog Computing and NFV: An EPEC and Matching Based Perspective. IEEE Transactions on Mobile Computing, 2022, 21, 1349-1361.	5.8	14
13	The Coverage Overlapping Problem of Serving Arbitrary Crowds in 3D Drone Cellular Networks. IEEE Transactions on Mobile Computing, 2022, 21, 1124-1141.	5.8	13
14	Computation Offloading With Instantaneous Load Billing for Mobile Edge Computing. IEEE Transactions on Services Computing, 2022, 15, 1473-1485.	4.6	24
15	Intelligent Omni-Surfaces: Ubiquitous Wireless Transmission by Reflective-Refractive Metasurfaces. IEEE Transactions on Wireless Communications, 2022, 21, 219-233.	9.2	71
16	Socially Driven Joint Optimization of Communication, Caching, and Computing Resources in Vehicular Networks. IEEE Transactions on Wireless Communications, 2022, 21, 461-476.	9.2	14
17	Gateway Placement in Integrated Satellite-Terrestrial Networks: Supporting Communications and Internet of Remote Things. IEEE Internet of Things Journal, 2022, 9, 4421-4434.	8.7	25
18	Make Smart Decisions Faster: Deciding D2D Resource Allocation via Stackelberg Game Guided Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Mobile Computing, 2022, 21, 4426-4438.	5.8	17

#	ARTICLE	IF	CITATIONS
19	Edge-Assisted Democratized Learning Toward Federated Analytics. IEEE Internet of Things Journal, 2022, 9, 572-588.	8.7	16
20	Cooperative Control of Physical Collision and Transmission Power for UAV Swarm: A Dual-Fields Enabled Approach. IEEE Internet of Things Journal, 2022, 9, 2390-2403.	8.7	5
21	Distortion minimization for multimedia transmission in NOMA HAP-UAV integrated aerial access networks. Chinese Journal of Aeronautics, 2022, 35, 81-94.	5.3	2
22	Optimal Energy Management for Multi-Microgrid Under a Transactive Energy Framework With Distributionally Robust Optimization. IEEE Transactions on Smart Grid, 2022, 13, 599-612.	9.0	53
23	Stochastic Optimization-Aided Energy-Efficient Information Collection in Internet of Underwater Things Networks. IEEE Internet of Things Journal, 2022, 9, 1775-1789.	8.7	73
24	LEOPARD: Parallel Optimal Deep Echo State Network Prediction Improves Service Coverage for UAV-Assisted Outdoor Hotspots. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 282-295.	7.9	8
25	MetaRadar: Indoor Localization by Reconfigurable Metamaterials. IEEE Transactions on Mobile Computing, 2022, 21, 2895-2908.	5.8	29
26	Blockchain-Based Task Offloading for Edge Computing on Low-Quality Data via Distributed Learning in the Internet of Energy. IEEE Journal on Selected Areas in Communications, 2022, 40, 657-676.	14.0	18
27	Following the Correct Direction: Renovating Sparsified SGD Towards Global Optimization in Distributed Edge Learning. IEEE Journal on Selected Areas in Communications, 2022, 40, 499-514.	14.0	3
28	Federated Anomaly Analytics for Local Model Poisoning Attack. IEEE Journal on Selected Areas in Communications, 2022, 40, 596-610.	14.0	8
29	Decentralized Learning for Channel Allocation in IoT Networks Over Unlicensed Bandwidth as a Contextual Multi-Player Multi-Armed Bandit Game. IEEE Transactions on Wireless Communications, 2022, 21, 3162-3178.	9.2	6
30	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
31	Multi-Agent Reinforcement Learning Aided Intelligent UAV Swarm for Target Tracking. IEEE Transactions on Vehicular Technology, 2022, 71, 931-945.	6.3	60
32	A mean field game-theoretic cross-layer optimization for multi-hop swarm UAV communications. Journal of Communications and Networks, 2022, 24, 68-82.	2.6	15
33	Transceiver Optimization for Wireless Powered Time-Division Duplex MU-MIMO Systems: Non-Robust and Robust Designs. IEEE Transactions on Wireless Communications, 2022, 21, 4594-4607.	9.2	53
34	A Learning Aided Long-Term User Association Scheme for Ultra-Dense Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 820-830.	6.3	3
35	Cost-Efficient Beam Management and Resource Allocation in Millimeter Wave Backhaul HetNets With Hybrid Energy Supply. IEEE Transactions on Wireless Communications, 2022, 21, 3291-3306.	9.2	7
36	Assessment of Overloading Correlations Among Transmission Lines Under Load Redistribution Attacks. IEEE Transactions on Smart Grid, 2022, 13, 1570-1581.	9.0	7

#	ARTICLE	IF	CITATIONS
37	Toward Data Collection and Transmission in 6G Space-Air-Ground Integrated Networks: Cooperative HAP and LEO Satellite Schemes. <i>IEEE Internet of Things Journal</i> , 2022, 9, 10516-10528.	8.7	24
38	Distributed Clustering-Based Cooperative Vehicular Edge Computing for Real-Time Offloading Requests. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 653-669.	6.3	12
39	Toward Energy-Efficient Multiple IRSs: Federated Learning-Based Configuration Optimization. <i>IEEE Transactions on Green Communications and Networking</i> , 2022, 6, 755-765.	5.5	9
40	Safeguarding UAV-Enabled Wireless Power Transfer Against Aerial Eavesdropper: A Colonel Blotto Game. <i>IEEE Wireless Communications Letters</i> , 2022, 11, 503-507.	5.0	1
41	3D Geo-Indistinguishability for Indoor Location-Based Services. <i>IEEE Transactions on Wireless Communications</i> , 2022, 21, 4682-4694.	9.2	6
42	Low-Latency Federated Learning Over Wireless Channels With Differential Privacy. <i>IEEE Journal on Selected Areas in Communications</i> , 2022, 40, 290-307.	14.0	21
43	Age of Information in Energy Harvesting Aided Massive Multiple Access Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2022, 40, 1441-1456.	14.0	84
44	Content Distribution Based on Joint V2I and V2V Scheduling in mmWave Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 3201-3213.	6.3	10
45	A Dynamic Handover Software-Defined Transmission Control Scheme in Space-Air-Ground Integrated Networks. <i>IEEE Transactions on Wireless Communications</i> , 2022, 21, 6110-6124.	9.2	6
46	Massive Access of Static and Mobile Users via Reconfigurable Intelligent Surfaces: Protocol Design and Performance Analysis. <i>IEEE Journal on Selected Areas in Communications</i> , 2022, 40, 1253-1269.	14.0	20
47	RIS-Aided Ground-Aerial NOMA Communications: A Distributionally Robust DRL Approach. <i>IEEE Journal on Selected Areas in Communications</i> , 2022, 40, 1287-1301.	14.0	23
48	Blockchain Assisted Decentralized Federated Learning (BLADE-FL): Performance Analysis and Resource Allocation. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2022, 33, 2401-2415.	5.6	60
49	Peer-to-Peer Energy Trading and Energy Conversion in Interconnected Multi-Energy Microgrids Using Multi-Agent Deep Reinforcement Learning. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 715-727.	9.0	65
50	MetaSketch: Wireless Semantic Segmentation by Reconfigurable Intelligent Surfaces. <i>IEEE Transactions on Wireless Communications</i> , 2022, 21, 5916-5929.	9.2	9
51	Deep-Reinforcement-Learning-Based Resource Allocation for Content Distribution in Fog Radio Access Networks. <i>IEEE Internet of Things Journal</i> , 2022, 9, 16874-16883.	8.7	26
52	Utility Optimization for Resource Allocation in Multi-Access Edge Network Slicing: A Twin-Actor Deep Deterministic Policy Gradient Approach. <i>IEEE Transactions on Wireless Communications</i> , 2022, 21, 5842-5856.	9.2	20
53	Design and Performance Analysis of 3-D Markov-Chain-Model-Based Fair Spectrum-Sharing Access for IoT Services. <i>IEEE Internet of Things Journal</i> , 2022, 9, 15756-15770.	8.7	2
54	Energy-Efficient Federated Learning Over UAV-Enabled Wireless Powered Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 4977-4990.	6.3	51

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55	Digital-Twin-Enabled 6G: Vision, Architectural Trends, and Future Directions. IEEE Communications Magazine, 2022, 60, 74-80.	6.1	161
56	Age-of-Information Minimization in Healthcare IoT Using Distributionally Robust Optimization. IEEE Internet of Things Journal, 2022, 9, 16154-16167.	8.7	16
57	Mean-Field-Game-Based Dynamic Task Pricing in Mobile Crowdsensing. IEEE Internet of Things Journal, 2022, 9, 18098-18112.	8.7	3
58	Deployment for High Altitude Platform Systems With Perturbation: Distributionally Robust Optimization Approach. IEEE Communications Letters, 2022, 26, 1126-1130.	4.1	5
59	Deep Learning-Assisted Secure UAV-Relaying Networks With Channel Uncertainties. IEEE Transactions on Vehicular Technology, 2022, 71, 5048-5059.	6.3	6
60	RL/DRL Meets Vehicular Task Offloading Using Edge and Vehicular Cloudlet: A Survey. IEEE Internet of Things Journal, 2022, 9, 8315-8338.	8.7	53
61	Meta-Wall: Intelligent Omni-Surfaces Aided Multi-Cell MIMO Communications. IEEE Transactions on Wireless Communications, 2022, 21, 7026-7039.	9.2	18
62	A Precoding Approach for Dual-Functional Radar-Communication System With One-Bit DACs. IEEE Journal on Selected Areas in Communications, 2022, 40, 1965-1977.	14.0	7
63	Distributed Learning for Wireless Communications: Methods, Applications and Challenges. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 326-342.	10.8	13
64	Modeling and Analysis of Opinion Dynamics in Social Networks Using Multiple-Population Mean Field Games. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 301-316.	2.8	7
65	Deep Reinforcement Learning Coordinated Receiver Beamforming for Millimeter-Wave Train-Ground Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 5156-5171.	6.3	8
66	Relay Hybrid Precoding in UAV-Assisted Wideband Millimeter-Wave Massive MIMO System. IEEE Transactions on Wireless Communications, 2022, 21, 7040-7054.	9.2	9
67	Two-Stage Resource Allocation in Reconfigurable Intelligent Surface Assisted Hybrid Networks via Multi-player Bandits. IEEE Transactions on Communications, 2022, 70, 3526-3541.	7.8	2
68	Smartphone App Usage Analysis: Datasets, Methods, and Applications. IEEE Communications Surveys and Tutorials, 2022, 24, 937-966.	39.4	59
69	Hierarchical Coded Caching for Multiscale Content Sharing in Heterogeneous Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 5770-5786.	6.3	2
70	Holographic Integrated Sensing and Communication. IEEE Journal on Selected Areas in Communications, 2022, 40, 2114-2130.	14.0	28
71	Improving Physical Layer Security in Vehicles and Pedestrians Networks With Ambient Backscatter Communication. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9380-9390.	8.0	9
72	MetaRadar: Multi-Target Detection for Reconfigurable Intelligent Surface Aided Radar Systems. IEEE Transactions on Wireless Communications, 2022, 21, 6994-7010.	9.2	18

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73	Energy-Efficient Resource Allocation in Multi-UAV-Assisted Two-Stage Edge Computing for Beyond 5G Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16421-16432.	8.0	30
74	Energy-Efficient Velocity Control for Massive Numbers of UAVs: A Mean Field Game Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 6266-6278.	6.3	9
75	Joint Resource Management for Intelligent Reflecting Surface-Aided Visible Light Communications. IEEE Transactions on Wireless Communications, 2022, 21, 6508-6522.	9.2	24
76	Intelligent Omni-Surfaces for Full-Dimensional Wireless Communications: Principles, Technology, and Implementation. IEEE Communications Magazine, 2022, 60, 39-45.	6.1	67
77	Non-Acted Text and Keystrokes Database and Learning Methods to Recognize Emotions. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-24.	4.3	5
78	Optimization on Multiuser Physical Layer Security of Intelligent Reflecting Surface-Aided VLC. IEEE Wireless Communications Letters, 2022, 11, 1344-1348.	5.0	17
79	Joint 3-D Positioning and Power Allocation for UAV Relay Aided by Geographic Information. IEEE Transactions on Wireless Communications, 2022, 21, 8148-8162.	9.2	13
80	Distributed Auction-Based Incentive Mechanism for Energy Trading Between Electric Vehicles and Mobile Charging Stations. IEEE Access, 2022, 10, 56331-56347.	4.2	12
81	A Business Model for Resource Sharing in Cell-Free UAVs-Assisted Wireless Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 8839-8852.	6.3	3
82	Opinion Evolution in Social Networks: Connecting Mean Field Games to Generative Adversarial Nets. IEEE Transactions on Network Science and Engineering, 2022, 9, 2734-2746.	6.4	0
83	Maximizing dirty-paper coding rate of RIS-assisted multi-user MIMO broadcast channels. Intelligent and Converged Networks, 2022, 3, 64-73.	4.8	3
84	Toward Ubiquitous Sensing and Localization With Reconfigurable Intelligent Surfaces. Proceedings of the IEEE, 2022, 110, 1401-1422.	21.8	33
85	Hybrid Quantum Bendersâ€™ Decomposition For Mixed-integer Linear Programming. , 2022, , .		8
86	An Adaptive Device-Edge Co-Inference Framework Based on Soft Actor-Critic. , 2022, , .		4
87	Editorial: Introduction to the Issue on Distributed Machine Learning for Wireless Communication. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 320-325.	10.8	0
88	Joint Illumination and Communication Optimization in Indoor VLC for IoT Applications. IEEE Internet of Things Journal, 2022, 9, 20788-20800.	8.7	12
89	Affective Computing Model With Impulse Control in Internet of Things Based on Affective Robotics. IEEE Internet of Things Journal, 2022, 9, 20815-20832.	8.7	1
90	Underwater Optical Channel Generator: A Generative Adversarial Network Based Approach. IEEE Transactions on Wireless Communications, 2022, 21, 9394-9403.	9.2	1

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91	A Reinforcement Learning Approach for Defending Against Multiscenario Load Redistribution Attacks. IEEE Transactions on Smart Grid, 2022, 13, 3711-3722.	9.0	8
92	Age-of-Information in First-Come-First-Served Wireless Communications: Upper Bound and Performance Optimization. IEEE Transactions on Vehicular Technology, 2022, 71, 9501-9515.	6.3	5
93	A survey on vehicular task offloading: Classification, issues, and challenges. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 4135-4162.	3.9	9
94	Dynamic Task Pricing in Mobile Crowdsensing: An Age-of-Information-Based Queueing Game Scheme. IEEE Internet of Things Journal, 2022, 9, 21278-21291.	8.7	3
95	Mobile Reconfigurable Intelligent Surfaces for NOMA Networks: Federated Learning Approaches. IEEE Transactions on Wireless Communications, 2022, 21, 10020-10034.	9.2	10
96	On Sidechain-Assisted Transaction Service Management for Internet of Things: A Random Contract Approach. IEEE Transactions on Network Science and Engineering, 2022, 9, 3437-3453.	6.4	1
97	Age-of-Information Oriented Scheduling for Multichannel IoT Systems With Correlated Sources. IEEE Transactions on Wireless Communications, 2022, 21, 9775-9790.	9.2	7
98	Vehicle Behavior-Cognition-Based Particle-Filter-Enabled mmWave Beam Tracking for Connected Automated Vehicles. IEEE Internet of Things Journal, 2022, 9, 21292-21304.	8.7	1
99	Energy-Efficient Multiuser Localization in the RIS-Assisted IoT Networks. IEEE Internet of Things Journal, 2022, 9, 20651-20665.	8.7	3
100	Joint Resources and Phase-Shift Optimization of MEC-Enabled UAV in IRS-Assisted 6G THz Networks. , 2022, , .		8
101	Dynamic Data Offloading for Massive Users in Ultra-dense LEO Satellite Networks based on Stackelberg Mean Field Game. , 2022, , .		1
102	FedFPM: A Unified Federated Analytics Framework for Collaborative Frequent Pattern Mining. , 2022, , .		7
103	Adaptive Decision-Making Framework for Federated Learning Tasks in Multi-Tier Computing. , 2022, , .		1
104	Elastic O-RAN Slicing for Industrial Monitoring and Control: A Distributed Matching Game and Deep Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 10808-10822.	6.3	13
105	Joint Routing and Scheduling Optimization in Time-Sensitive Networks Using Graph-Convolutional-Network-Based Deep Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 23981-23994.	8.7	11
106	Federated-Reinforcement-Learning-Enabled Joint Communication, Sensing, and Computing Resources Allocation in Connected Automated Vehicles Networks. IEEE Internet of Things Journal, 2022, 9, 23224-23240.	8.7	7
107	Federated Analytics Informed Distributed Industrial IoT Learning with Non-IID Data. IEEE Transactions on Network Science and Engineering, 2022, , 1-15.	6.4	0
108	To Talk or to Work: Dynamic Batch Sizes Assisted Time Efficient Federated Learning Over Future Mobile Edge Devices. IEEE Transactions on Wireless Communications, 2022, 21, 11038-11050.	9.2	10

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109	Meta-Material Sensor Based Internet of Things: Design, Optimization, and Implementation. IEEE Transactions on Communications, 2022, 70, 5645-5662.	7.8	2
110	Trajectory Optimization and Phase-Shift Design in IRS-Assisted UAV Network for Smart Railway. IEEE Transactions on Vehicular Technology, 2022, 71, 11317-11321.	6.3	8
111	Incentive Framework for Cross-Device Federated Learning and Analytics With Multiple Tasks Based on a Multi-Leader-Follower Game. IEEE Transactions on Network Science and Engineering, 2022, 9, 3749-3761.	6.4	6
112	Adaptive Stochastic ADMM for Decentralized Reinforcement Learning in Edge IoT. IEEE Internet of Things Journal, 2022, 9, 22958-22971.	8.7	2
113	Insurance Plan for Service Assurance in Cloud Computing Market with Incomplete Information. Journal of Communications and Information Networks, 2022, 7, 11-22.	5.2	1
114	Grouped Federated Learning: A Decentralized Learning Framework with Low Latency for Heterogeneous Devices. , 2022, , .		2
115	FLIGHT: Federated Learning with IRS for Grouped Heterogeneous Training. Journal of Communications and Information Networks, 2022, 7, 135-144.	5.2	3
116	The Fifth Issue of the Series on Machine Learning in Communications and Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 2251-2253.	14.0	0
117	Prediction of Cloud Resources Demand Based on Hierarchical Pythagorean Fuzzy Deep Neural Network. IEEE Transactions on Services Computing, 2021, 14, 1890-1901.	4.6	18
118	Integrating Social Networks with Mobile Device-to-Device Services. IEEE Transactions on Services Computing, 2021, 14, 1209-1223.	4.6	6
119	Incentive Mechanism Design for Two-Layer Wireless Edge Caching Networks Using Contract Theory. IEEE Transactions on Services Computing, 2021, 14, 1426-1438.	4.6	9
120	Heterogeneous Computational Resource Allocation for C-RAN: A Contract-Theoretic Approach. IEEE Transactions on Services Computing, 2021, 14, 2026-2040.	4.6	5
121	Hierarchical Game for Networked Electric Vehicle Public Charging Under Time-Based Billing Model. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 518-530.	8.0	16
122	Codebook-Based Beam Tracking for Conformal Array-Enabled UAV mmWave Networks. IEEE Internet of Things Journal, 2021, 8, 244-261.	8.7	13
123	Enforcing Access Control in Information-Centric Edge Networking. IEEE Transactions on Communications, 2021, 69, 353-364.	7.8	8
124	Mean Field Deep Reinforcement Learning for Fair and Efficient UAV Control. IEEE Internet of Things Journal, 2021, 8, 813-828.	8.7	46
125	Artificial Intelligence for Wireless Caching: Schemes, Performance, and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 631-661.	39.4	30
126	Reconfigurable Intelligent Surface (RIS) Assisted Wireless Coverage Extension: RIS Orientation and Location Optimization. IEEE Communications Letters, 2021, 25, 269-273.	4.1	144



#	ARTICLE	IF	CITATIONS
127	Reinforcement Learning Meets Wireless Networks: A Layering Perspective. IEEE Internet of Things Journal, 2021, 8, 85-111.	8.7	19
128	Towards Ubiquitous Positioning by Leveraging Reconfigurable Intelligent Surface. IEEE Communications Letters, 2021, 25, 284-288.	4.1	57
129	On Spatial Multiplexing Using Reconfigurable Intelligent Surfaces. IEEE Wireless Communications Letters, 2021, 10, 226-230.	5.0	15
130	Automatic Modulation Recognition: A Few-Shot Learning Method Based on the Capsule Network. IEEE Wireless Communications Letters, 2021, 10, 474-477.	5.0	38
131	Coexistence Mechanism Between eMBB and uRLLC in 5G Wireless Networks. IEEE Transactions on Communications, 2021, 69, 1736-1749.	7.8	82
132	Hierarchical Deep Reinforcement Learning for Backscattering Data Collection With Multiple UAVs. IEEE Internet of Things Journal, 2021, 8, 3786-3800.	8.7	61
133	Stochastic Delay Analysis for Satellite Data Relay Networks With Heterogeneous Traffic and Transmission Links. IEEE Transactions on Wireless Communications, 2021, 20, 156-170.	9.2	4
134	Joint HAP Access and LEO Satellite Backhaul in 6G: Matching Game-Based Approaches. IEEE Journal on Selected Areas in Communications, 2021, 39, 1147-1159.	14.0	71
135	Learning-Aided Resource Allocation for Pattern Division Multiple Access-Based SWIPT Systems. IEEE Wireless Communications Letters, 2021, 10, 131-135.	5.0	6
136	LEO-Satellite-Assisted UAV: Joint Trajectory and Data Collection for Internet of Remote Things in 6G Aerial Access Networks. IEEE Internet of Things Journal, 2021, 8, 9814-9826.	8.7	106
137	Cyclic Three-Sided Matching Game Inspired Wireless Network Virtualization. IEEE Transactions on Mobile Computing, 2021, 20, 416-428.	5.8	23
138	Age of Information Minimization for Grant-Free Non-Orthogonal Massive Access Using Mean-Field Games. IEEE Transactions on Communications, 2021, 69, 7806-7820.	7.8	19
139	Asymptotic Achievability of the Cram�r-Rao Lower Bound of Channel Estimation for Reconfigurable Intelligent Surface Aided Communication Systems. IEEE Wireless Communications Letters, 2021, , 1-1.	5.0	3
140	RIS Aided MIMO Communications. Wireless Networks, 2021, , 19-104.	0.5	0
141	Coalition Game Based User Association for mmWave Mobile Relay Systems in Rail Traffic Scenarios. IEEE Transactions on Vehicular Technology, 2021, 70, 10528-10540.	6.3	2
142	Task Selection and Collision-Free Route Planning for Mobile Crowdsensing Using Multi-Population Mean-Field Games. IEEE Transactions on Green Communications and Networking, 2021, 5, 1947-1960.	5.5	11
143	Meta Distribution of the SINR for mmWave Cellular Networks With Clusters. IEEE Transactions on Communications, 2021, 69, 6956-6970.	7.8	9
144	Machine Learning-Based Resource Allocation in Satellite Networks Supporting Internet of Remote Things. IEEE Transactions on Wireless Communications, 2021, 20, 6606-6621.	9.2	40

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145	A Systematic Review on NOMA Variants for 5G and Beyond. IEEE Access, 2021, 9, 85573-85644.	4.2	86
146	Honeypot Detection Strategy Against Advanced Persistent Threats in Industrial Internet of Things: A Prospect Theoretic Game. IEEE Internet of Things Journal, 2021, 8, 17372-17381.	8.7	24
147	Energy-Constrained Computation Offloading in Space-Air-Ground Integrated Networks Using Distributionally Robust Optimization. IEEE Transactions on Vehicular Technology, 2021, 70, 12113-12125.	6.3	28
148	On-Device Computational Caching-Enabled Augmented Reality for 5G and Beyond: A Contract-Theory-Based Incentive Mechanism. IEEE Internet of Things Journal, 2021, 8, 17382-17394.	8.7	12
149	MetaLocalization: Reconfigurable Intelligent Surface Aided Multi-User Wireless Indoor Localization. IEEE Transactions on Wireless Communications, 2021, 20, 7743-7757.	9.2	81
150	Convergences of RISs with Existing Wireless Technologies. Wireless Networks, 2021, , 105-160.	0.5	0
151	An Energy Efficient Scheme for WPCN-NOMA Based Device-to-Device Communication. IEEE Transactions on Vehicular Technology, 2021, 70, 11935-11948.	6.3	15
152	RIS Aided RF Sensing and Localization. Wireless Networks, 2021, , 161-251.	0.5	2
153	Introductions and Basics. Wireless Networks, 2021, , 1-17.	0.5	0
154	A Multi-Task CNN for Maritime Target Detection. IEEE Signal Processing Letters, 2021, 28, 434-438.	3.6	16
155	Adaptive and Robust Routing With Lyapunov-Based Deep RL in MEC Networks Enabled by Blockchains. IEEE Internet of Things Journal, 2021, 8, 2208-2225.	8.7	16
156	Multiple Correlated Attributes Based Physical Layer Authentication in Wireless Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 1673-1687.	6.3	17
157	Energy Drain of the Object Detection Processing Pipeline for Mobile Devices: Analysis and Implications. IEEE Transactions on Green Communications and Networking, 2021, 5, 41-60.	5.5	6
158	RIS-Assisted mmWave Channel Estimation Using Convolutional Neural Networks. , 2021, , .		13
159	Resource Allocation for NOMA-MEC Systems in Ultra-Dense Networks: A Learning Aided Mean-Field Game Approach. IEEE Transactions on Wireless Communications, 2021, 20, 1487-1500.	9.2	42
160	Reconfigurable Intelligent Surface Assisted Internet-of-Things: MAC Design and Optimization. , 2021, , .		1
161	Tensor-Based Reinforcement Learning for Network Routing. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 617-629.	10.8	8
162	Robust Secrecy Competition With Aggregate Interference Constraint in Small-Cell Networks. IEEE Transactions on Wireless Communications, 2021, 20, 2325-2340.	9.2	8

#	ARTICLE	IF	CITATIONS
163	RSS Fingerprinting Based Multi-user Outdoor Localization Using Reconfigurable Intelligent Surfaces. , 2021, , .		8
164	Matching With Contracts-Based Resource Trading and Price Negotiation in Multi-Access Edge Computing. IEEE Wireless Communications Letters, 2021, 10, 892-896.	5.0	5
165	Artificial Noise-Aided Secure Relay Communication With Unknown Channel Knowledge of Eavesdropper. IEEE Transactions on Wireless Communications, 2021, 20, 3168-3179.	9.2	11
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