

Boya

List of Publications by Year in descending order

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103
papers

4,231
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182225

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134545

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104
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104
times ranked

3374
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent Omni-Surfaces: Ubiquitous Wireless Transmission by Reflective-Refractive Metasurfaces. IEEE Transactions on Wireless Communications, 2022, 21, 219-233.	6.1	71
2	Distortion minimization for multimedia transmission in NOMA HAP-UAV integrated aerial access networks. Chinese Journal of Aeronautics, 2022, 35, 81-94.	2.8	2
3	MetaRadar: Indoor Localization by Reconfigurable Metamaterials. IEEE Transactions on Mobile Computing, 2022, 21, 2895-2908.	3.9	29
4	Meta-IoT: Simultaneous Sensing and Transmission by Meta-Material Sensor-Based Internet of Things. IEEE Transactions on Wireless Communications, 2022, 21, 6048-6063.	6.1	4
5	HDMA: Holographic-Pattern Division Multiple Access. IEEE Journal on Selected Areas in Communications, 2022, 40, 1317-1332.	9.7	15
6	Reconfigurable Holographic Surface-Enabled Multi-User Wireless Communications: Amplitude-Controlled Holographic Beamforming. IEEE Transactions on Wireless Communications, 2022, 21, 6003-6017.	6.1	20
7	Cellular Communications Over Unlicensed mmWave Bands With Hybrid Beamforming. IEEE Transactions on Wireless Communications, 2022, 21, 6064-6078.	6.1	5
8	Multi-Layer Computation Offloading in Distributed Heterogeneous Mobile Edge Computing Networks. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1301-1315.	4.9	7
9	Deployment for High Altitude Platform Systems With Perturbation: Distributionally Robust Optimization Approach. IEEE Communications Letters, 2022, 26, 1126-1130.	2.5	5
10	Meta-Wall: Intelligent Omni-Surfaces Aided Multi-Cell MIMO Communications. IEEE Transactions on Wireless Communications, 2022, 21, 7026-7039.	6.1	18
11	Loss-Privacy Tradeoff in Federated Edge Learning. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 546-558.	7.3	7
12	Holographic Integrated Sensing and Communication. IEEE Journal on Selected Areas in Communications, 2022, 40, 2114-2130.	9.7	28
13	Holographic Beamforming for Ultra Massive MIMO With Limited Radiation Amplitudes: How Many Quantized Bits Do We Need?. IEEE Communications Letters, 2022, 26, 1403-1407.	2.5	4
14	MetaRadar: Multi-Target Detection for Reconfigurable Intelligent Surface Aided Radar Systems. IEEE Transactions on Wireless Communications, 2022, 21, 6994-7010.	6.1	18
15	Intelligent Omni-Surfaces for Full-Dimensional Wireless Communications: Principles, Technology, and Implementation. IEEE Communications Magazine, 2022, 60, 39-45.	4.9	67
16	Privacy-Preserving Federated Edge Learning: Modeling and Optimization. IEEE Communications Letters, 2022, 26, 1489-1493.	2.5	4
17	Mega-Constellation Design for Integrated Satellite-Terrestrial Networks for Global Seamless Connectivity. IEEE Wireless Communications Letters, 2022, 11, 1669-1673.	3.2	2
18	Toward Ubiquitous Sensing and Localization With Reconfigurable Intelligent Surfaces. Proceedings of the IEEE, 2022, 110, 1401-1422.	16.4	33

#	ARTICLE	IF	CITATIONS
19	Codebook Design and Beam Training for Intelligent Omni-Surface Aided Communications. , 2022, , .		1
20	Dual Codebook Design for Intelligent Omni-Surface Aided Communications. IEEE Transactions on Wireless Communications, 2022, 21, 9232-9245.	6.1	12
21	Secure Directional Modulation in RIS-Aided Networks: A Low-Sidelobe Hybrid Beamforming Approach. IEEE Wireless Communications Letters, 2022, 11, 1753-1757.	3.2	1
22	Meta-Material Sensor Based Internet of Things: Design, Optimization, and Implementation. IEEE Transactions on Communications, 2022, 70, 5645-5662.	4.9	2
23	Reconfigurable Refractive Surfaces: An Energy-Efficient Way to Holographic MIMO. IEEE Communications Letters, 2022, 26, 2490-2494.	2.5	9
24	Asynchronous Multi-User Detection for Code-Domain NOMA: Expectation Propagation Over 3D Factor-Graph. IEEE Transactions on Vehicular Technology, 2022, 71, 10770-10781.	3.9	4
25	Reconfigurable Intelligent Surface Aided Cell-Free MIMO Communications. IEEE Wireless Communications Letters, 2021, 10, 775-779.	3.2	33
26	Reconfigurable Intelligent Surface (RIS) Assisted Wireless Coverage Extension: RIS Orientation and Location Optimization. IEEE Communications Letters, 2021, 25, 269-273.	2.5	144
27	Towards Ubiquitous Positioning by Leveraging Reconfigurable Intelligent Surface. IEEE Communications Letters, 2021, 25, 284-288.	2.5	57
28	RIS Aided MIMO Communications. Wireless Networks, 2021, , 19-104.	0.3	0
29	MetaLocalization: Reconfigurable Intelligent Surface Aided Multi-User Wireless Indoor Localization. IEEE Transactions on Wireless Communications, 2021, 20, 7743-7757.	6.1	81
30	Convergences of RISs with Existing Wireless Technologies. Wireless Networks, 2021, , 105-160.	0.3	0
31	Trajectory Optimization and Resource Allocation for OFDMA UAV Relay Networks. IEEE Transactions on Wireless Communications, 2021, 20, 6634-6647.	6.1	29
32	RIS Aided RF Sensing and Localization. Wireless Networks, 2021, , 161-251.	0.3	2
33	Introductions and Basics. Wireless Networks, 2021, , 1-17.	0.3	0
34	Distributed mechanism design for multi-cell communications aided by multiple reconfigurable intelligent surfaces. IET Communications, 2021, 15, 1821-1830.	1.5	2
35	RSS Fingerprinting Based Multi-user Outdoor Localization Using Reconfigurable Intelligent Surfaces. , 2021, , .		8
36	Distributed Multi-Cloud Multi-Access Edge Computing by Multi-Agent Reinforcement Learning. IEEE Transactions on Wireless Communications, 2021, 20, 2565-2578.	6.1	29

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37	Reconfigurable Holographic Metasurface Aided Wideband OFDM Communications Against Beam Squint. IEEE Transactions on Vehicular Technology, 2021, 70, 5099-5103.	3.9	11
38	Ultra-Dense LEO Satellite Based Formation Flying. IEEE Transactions on Communications, 2021, 69, 3091-3105.	4.9	12
39	Reconfigurable Intelligent Surface Assisted Multi-User Communications: How Many Reflective Elements Do We Need?. IEEE Wireless Communications Letters, 2021, 10, 1098-1102.	3.2	29
40	Cluster-based Handoff Scheme Design for Platoons in Cellular V2X Networks. , 2021, , .		0
41	Reconfigurable Intelligent Surfaces in 6G: Reflective, Transmissive, or Both?. IEEE Communications Letters, 2021, 25, 2063-2067.	2.5	70
42	Reconfigurable Holographic Surface: Holographic Beamforming for Metasurface-Aided Wireless Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 6255-6259.	3.9	31
43	Beyond Cell-Free MIMO: Energy Efficient Reconfigurable Intelligent Surface Aided Cell-Free MIMO Communications. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 412-426.	4.9	77
44	Privacy-Preserving Incentive Mechanism Design for Federated Cloud-Edge Learning. IEEE Transactions on Network Science and Engineering, 2021, 8, 2588-2600.	4.1	21
45	A contract-based incentive mechanism for distributed meeting scheduling: Can agents who value privacy tell the truth?. Autonomous Agents and Multi-Agent Systems, 2021, 35, 1.	1.3	0
46	Ultra-Dense LEO Satellite Constellations: How Many LEO Satellites Do We Need?. IEEE Transactions on Wireless Communications, 2021, 20, 4843-4857.	6.1	56
47	Meta-material Sensors based Internet of Things for 6G Communications. , 2021, , .		3
48	Reconfigurable Holographic Surfaces for Future Wireless Communications. IEEE Wireless Communications, 2021, 28, 126-131.	6.6	30
49	Multi-layer LEO Satellite Constellation Design for Seamless Global Coverage. , 2021, , .		9
50	Beyond Intelligent Reflecting Surfaces: Reflective-Transmissive Metasurface Aided Communications for Full-Dimensional Coverage Extension. IEEE Transactions on Vehicular Technology, 2020, 69, 13905-13909.	3.9	87
51	Reconfigurable Intelligent Surface Based RF Sensing: Design, Optimization, and Implementation. IEEE Journal on Selected Areas in Communications, 2020, 38, 2700-2716.	9.7	114
52	Multi-Layer Radio Network Slicing for Heterogeneous Communication Systems. IEEE Transactions on Network Science and Engineering, 2020, 7, 2378-2391.	4.1	1
53	Distributed Energy Saving for Heterogeneous Multi-layer Mobile Edge Computing. , 2020, , .		3
54	Equilibrium Problems With Equilibrium Constraints Analysis for Power Control and User Scheduling in NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5467-5480.	3.9	10

#	ARTICLE	IF	CITATIONS
55	Ultra-Dense LEO Satellite Offloading for Terrestrial Networks: How Much to Pay the Satellite Operator?. IEEE Transactions on Wireless Communications, 2020, 19, 6240-6254.	6.1	49
56	How Capacity is Influenced by Ultra-dense LEO Topology in Multi-terminal Satellite Systems?. , 2020, , .		4
57	Hybrid Beamforming for Reconfigurable Intelligent Surface based Multi-User Communications: Achievable Rates With Limited Discrete Phase Shifts. IEEE Journal on Selected Areas in Communications, 2020, 38, 1809-1822.	9.7	318
58	Reconfigurable Intelligent Surfaces Assisted Communications With Limited Phase Shifts: How Many Phase Shifts Are Enough?. IEEE Transactions on Vehicular Technology, 2020, 69, 4498-4502.	3.9	232
59	Practical Hybrid Beamforming With Finite-Resolution Phase Shifters for Reconfigurable Intelligent Surface Based Multi-User Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 4565-4570.	3.9	110
60	HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era. IEEE Transactions on Vehicular Technology, 2020, 69, 4388-4400.	3.9	50
61	Privacy-Preserving Dialogues Between Agents: A Contract-Based Incentive Mechanism for Distributed Meeting Scheduling. Lecture Notes in Computer Science, 2020, , 299-315.	1.0	1
62	Unlicensed Spectrum Sharing with WiGig in Millimeter-wave Cellular Networks in 6G Era. , 2020, , .		11
63	HetMEC: Latency-Optimal Task Assignment and Resource Allocation for Heterogeneous Multi-Layer Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2019, 18, 4942-4956.	6.1	69
64	Platoon Cooperation in Cellular V2X Networks for 5G and Beyond. IEEE Transactions on Wireless Communications, 2019, 18, 3919-3932.	6.1	82
65	Network Controlled D2D Communications: Licensed or Unlicensed Spectrum?. , 2019, , .		3
66	Device-to-Device Communications Underlying Cellular Networks: To Use Unlicensed Spectrum or Not?. IEEE Transactions on Communications, 2019, 67, 6598-6611.	4.9	13
67	Joint Platoon Formation and Resource Allocation for Connected Vehicles by Cellular V2X Communication. , 2019, , .		3
68	Cellular UAV-to-X Communications: Design and Optimization for Multi-UAV Networks. IEEE Transactions on Wireless Communications, 2019, 18, 1346-1359.	6.1	281
69	Ultra-Dense LEO: Integration of Satellite Access Networks into 5G and Beyond. IEEE Wireless Communications, 2019, 26, 62-69.	6.6	174
70	IoT-U: Cellular Internet-of-Things Networks Over Unlicensed Spectrum. IEEE Transactions on Wireless Communications, 2019, 18, 2477-2492.	6.1	29
71	Cooperative Collision Avoidance for Overtaking Maneuvers in Cellular V2X-Based Autonomous Driving. IEEE Transactions on Vehicular Technology, 2019, 68, 4434-4446.	3.9	42
72	TCM-NOMA: Joint Multi-User Codeword Design and Detection in Trellis-Coded Modulation-Based NOMA for Beyond 5G. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 766-780.	7.3	9

#	ARTICLE	IF	CITATIONS
73	Joint Task Assignment and Resource Allocation in the Heterogeneous Multi-Layer Mobile Edge Computing Networks. , 2019, , .		6
74	Pricing Mechanism Design for Data Offloading in Ultra-Dense LEO-Based Satellite-Terrestrial Networks. , 2019, , .		1
75	Joint Data Offloading and Resource Allocation for Multi-Cloud Heterogeneous Mobile Edge Computing Using Multi-Agent Reinforcement Learning. , 2019, , .		11
76	Cellular Cooperative Unmanned Aerial Vehicle Networks With Sense-and-Send Protocol. IEEE Internet of Things Journal, 2019, 6, 1754-1767.	5.5	37
77	Ultra-Dense LEO: Integrating Terrestrial-Satellite Networks Into 5G and Beyond for Data Offloading. IEEE Transactions on Wireless Communications, 2019, 18, 47-62.	6.1	174
78	Hybrid MAC Protocol Design and Optimization for Full Duplex Wi-Fi Networks. IEEE Transactions on Wireless Communications, 2018, 17, 3615-3630.	6.1	23
79	Cooperative Sensing and Transmission for Cellular Network Controlled Unmanned Aerial Vehicles. , 2018, , .		3
80	Resource Allocation and Trajectory Design for Cellular UAV-to-X Communication Networks in 5G. , 2018, , .		6
81	Tri-Level Stackelberg Game for Resource Allocation in Radio Access Network Slicing. , 2018, , .		10
82	Cellular Internet-of-Things (IoT) Communications over Unlicensed Band. , 2018, , .		3
83	Data Offloading in Ultra-Dense LEO-Based Integrated Terrestrial-Satellite Networks. , 2018, , .		9
84	Cooperative Collision Avoidance Scheme Design and Analysis in V2X-Based Driving Systems. , 2018, , .		2
85	Trellis Coded Modulation for Code-Domain Non-Orthogonal Multiple Access Networks. , 2018, , .		7
86	Joint Trajectory and Power Optimization for UAV Sensing Over Cellular Networks. IEEE Communications Letters, 2018, 22, 2382-2385.	2.5	52
87	Cellular V2X Communications in Unlicensed Spectrum for 5G Networks. , 2018, , .		4
88	Cellular V2X Communications in Unlicensed Spectrum: Harmonious Coexistence With VANET in 5G Systems. IEEE Transactions on Wireless Communications, 2018, 17, 5212-5224.	6.1	111
89	Collaborative Smartphone Sensing Using Overlapping Coalition Formation Games. IEEE Transactions on Mobile Computing, 2017, 16, 30-43.	3.9	23
90	Sub-Channel and Power Allocation for Non-Orthogonal Multiple Access Relay Networks With Amplify-and-Forward Protocol. IEEE Transactions on Wireless Communications, 2017, 16, 2249-2261.	6.1	68

#	ARTICLE	IF	CITATIONS
91	Non-Orthogonal Multiple Access for High-Reliable and Low-Latency V2X Communications in 5G Systems. IEEE Journal on Selected Areas in Communications, 2017, 35, 2383-2397.	9.7	127
92	NOMA-Based Low-Latency and High-Reliable Broadcast Communications for 5G V2X Services. , 2017, , .		24
93	V2X Meets NOMA: Non-Orthogonal Multiple Access for 5G-Enabled Vehicular Networks. IEEE Wireless Communications, 2017, 24, 14-21.	6.6	150
94	Hybrid MAC Protocol for Full Duplex Wi-Fi Networks. , 2017, , .		2
95	Joint User Pairing, Subchannel, and Power Allocation in Full-Duplex Multi-User OFDMA Networks. IEEE Transactions on Wireless Communications, 2016, 15, 8260-8272.	6.1	56
96	Sub-Channel Assignment, Power Allocation, and User Scheduling for Non-Orthogonal Multiple Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 7686-7698.	6.1	349
97	Radio resource allocation for uplink sparse code multiple access (SCMA) networks using matching game. , 2016, , .		38
98	Radio resource allocation for non-orthogonal multiple access (NOMA) relay network using matching game. , 2016, , .		27
99	Radio Resource Allocation for Downlink Non-Orthogonal Multiple Access (NOMA) Networks Using Matching Theory. , 2015, , .		65
100	Cross-Layer Protocol Design for Distributed Full-Duplex Network. , 2015, , .		4
101	Radio resource allocation for full-duplex OFDMA networks using matching theory. , 2014, , .		35
102	Radio Resource Allocation for Downlink Non-Orthogonal Multiple Access (NOMA) Networks Using Matching Theory. , 2014, , .		4
103	Cross-Layer Protocol Design for Distributed Full-Duplex Network. , 2014, , .		0