

Lingyang Song

List of Publications by Year in descending order

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328
papers

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7515
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Intelligent Omni-Surfaces: Ubiquitous Wireless Transmission by Reflective-Refractive Metasurfaces. IEEE Transactions on Wireless Communications, 2022, 21, 219-233.	9.2	71
3	MetaRadar: Indoor Localization by Reconfigurable Metamaterials. IEEE Transactions on Mobile Computing, 2022, 21, 2895-2908.	5.8	29
4	Machine Learning Empowered Resource Allocation in IRS Aided MISO-NOMA Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3478-3492.	9.2	15
5	AI Empowered RIS-Assisted NOMA Networks: Deep Learning or Reinforcement Learning?. IEEE Journal on Selected Areas in Communications, 2022, 40, 182-196.	14.0	36
6	Meta-IoT: Simultaneous Sensing and Transmission by Meta-Material Sensor-Based Internet of Things. IEEE Transactions on Wireless Communications, 2022, 21, 6048-6063.	9.2	4
7	HDMA: Holographic-Pattern Division Multiple Access. IEEE Journal on Selected Areas in Communications, 2022, 40, 1317-1332.	14.0	15
8	MetaSketch: Wireless Semantic Segmentation by Reconfigurable Intelligent Surfaces. IEEE Transactions on Wireless Communications, 2022, 21, 5916-5929.	9.2	9
9	Reconfigurable Holographic Surface-Enabled Multi-User Wireless Communications: Amplitude-Controlled Holographic Beamforming. IEEE Transactions on Wireless Communications, 2022, 21, 6003-6017.	9.2	20
10	Cellular Communications Over Unlicensed mmWave Bands With Hybrid Beamforming. IEEE Transactions on Wireless Communications, 2022, 21, 6064-6078.	9.2	5
11	Multi-Layer Computation Offloading in Distributed Heterogeneous Mobile Edge Computing Networks. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1301-1315.	7.9	7
12	Meta-Wall: Intelligent Omni-Surfaces Aided Multi-Cell MIMO Communications. IEEE Transactions on Wireless Communications, 2022, 21, 7026-7039.	9.2	18
13	Loss-Privacy Tradeoff in Federated Edge Learning. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 546-558.	10.8	7
14	Holographic Integrated Sensing and Communication. IEEE Journal on Selected Areas in Communications, 2022, 40, 2114-2130.	14.0	28
15	Holographic Beamforming for Ultra Massive MIMO With Limited Radiation Amplitudes: How Many Quantized Bits Do We Need?. IEEE Communications Letters, 2022, 26, 1403-1407.	4.1	4
16	MetaRadar: Multi-Target Detection for Reconfigurable Intelligent Surface Aided Radar Systems. IEEE Transactions on Wireless Communications, 2022, 21, 6994-7010.	9.2	18
17	Intelligent Omni-Surface Enhanced Aerial Secure Offloading. IEEE Transactions on Vehicular Technology, 2022, 71, 5007-5022.	6.3	11
18	Intelligent Omni-Surfaces for Full-Dimensional Wireless Communications: Principles, Technology, and Implementation. IEEE Communications Magazine, 2022, 60, 39-45.	6.1	67

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19	Privacy-Preserving Federated Edge Learning: Modeling and Optimization. IEEE Communications Letters, 2022, 26, 1489-1493.	4.1	4
20	Simultaneously Transmitting and Reflecting Intelligent Omni-Surfaces: Modeling and Implementation. IEEE Vehicular Technology Magazine, 2022, 17, 46-54.	3.4	28
21	Toward Ubiquitous Sensing and Localization With Reconfigurable Intelligent Surfaces. Proceedings of the IEEE, 2022, 110, 1401-1422.	21.3	33
22	Codebook Design and Beam Training for Intelligent Omni-Surface Aided Communications. , 2022, , .		1
23	Dual Codebook Design for Intelligent Omni-Surface Aided Communications. IEEE Transactions on Wireless Communications, 2022, 21, 9232-9245.	9.2	12
24	Meta-Material Sensor Based Internet of Things: Design, Optimization, and Implementation. IEEE Transactions on Communications, 2022, 70, 5645-5662.	7.8	2
25	Reconfigurable Refractive Surfaces: An Energy-Efficient Way to Holographic MIMO. IEEE Communications Letters, 2022, 26, 2490-2494.	4.1	9
26	Reconfigurable Intelligent Surface Aided Cell-Free MIMO Communications. IEEE Wireless Communications Letters, 2021, 10, 775-779.	5.0	33
27	EPASS360: QoE-Aware 360-Degree Video Streaming Over Mobile Devices. IEEE Transactions on Mobile Computing, 2021, 20, 2338-2353.	5.8	18
28	AQ360: UAV-Aided Air Quality Monitoring by 360-Degree Aerial Panoramic Images in Urban Areas. IEEE Internet of Things Journal, 2021, 8, 428-442.	8.7	24
29	Reconfigurable Intelligent Surface (RIS) Assisted Wireless Coverage Extension: RIS Orientation and Location Optimization. IEEE Communications Letters, 2021, 25, 269-273.	4.1	144
30	Towards Ubiquitous Positioning by Leveraging Reconfigurable Intelligent Surface. IEEE Communications Letters, 2021, 25, 284-288.	4.1	57
31	On Spatial Multiplexing Using Reconfigurable Intelligent Surfaces. IEEE Wireless Communications Letters, 2021, 10, 226-230.	5.0	15
32	Cyclic Three-Sided Matching Game Inspired Wireless Network Virtualization. IEEE Transactions on Mobile Computing, 2021, 20, 416-428.	5.8	23
33	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
34	RIS Aided MIMO Communications. Wireless Networks, 2021, , 19-104.	0.5	0
35	MetaLocalization: Reconfigurable Intelligent Surface Aided Multi-User Wireless Indoor Localization. IEEE Transactions on Wireless Communications, 2021, 20, 7743-7757.	9.2	81
36	Convergences of RISs with Existing Wireless Technologies. Wireless Networks, 2021, , 105-160.	0.5	0

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37	Trajectory Optimization and Resource Allocation for OFDMA UAV Relay Networks. IEEE Transactions on Wireless Communications, 2021, 20, 6634-6647.	9.2	29
38	RIS Aided RF Sensing and Localization. Wireless Networks, 2021, , 161-251.	0.5	2
39	Introductions and Basics. Wireless Networks, 2021, , 1-17.	0.5	0
40	RSS Fingerprinting Based Multi-user Outdoor Localization Using Reconfigurable Intelligent Surfaces. , 2021, , .		8
41	Distributed Multi-Cloud Multi-Access Edge Computing by Multi-Agent Reinforcement Learning. IEEE Transactions on Wireless Communications, 2021, 20, 2565-2578.	9.2	29
42	Ultra-Dense LEO Satellite Based Formation Flying. IEEE Transactions on Communications, 2021, 69, 3091-3105.	7.8	12
43	Reconfigurable Intelligent Surface Assisted Device-to-Device Communications. IEEE Transactions on Wireless Communications, 2021, 20, 2792-2804.	9.2	75
44	Reconfigurable Intelligent Surface Assisted Multi-User Communications: How Many Reflective Elements Do We Need?. IEEE Wireless Communications Letters, 2021, 10, 1098-1102.	5.0	29
45	Spatial Equalization Before Reception: Reconfigurable Intelligent Surfaces for Multi-Path Mitigation. , 2021, , .		16
46	Cluster-based Handoff Scheme Design for Platoons in Cellular V2X Networks. , 2021, , .		0
47	Guest editorial: Cellular Internet of UAVs for 5G and beyond. IET Communications, 2021, 15, 1259-1261.	2.2	0
48	Reconfigurable Intelligent Surfaces in 6G: Reflective, Transmissive, or Both?. IEEE Communications Letters, 2021, 25, 2063-2067.	4.1	70
49	Reconfigurable Holographic Surface: Holographic Beamforming for Metasurface-Aided Wireless Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 6255-6259.	6.3	31
50	Guest Editorial: Special Issue on Internet of UAVs Over Cellular Networks. IEEE Internet of Things Journal, 2021, 8, 9774-9775.	8.7	0
51	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.	7.9	77
52	MetaSensing: Intelligent Metasurface Assisted RF 3D Sensing by Deep Reinforcement Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 2182-2197.	14.0	29
53	Clustering Based Diversity Improving Transmit Laser Selection Schemes Using Quantized Feedback for FSO System. IEEE Transactions on Vehicular Technology, 2021, 70, 6855-6868.	6.3	7
54	UAV-to-Device Underlay Communications: Age of Information Minimization by Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Communications, 2021, 69, 4461-4475.	7.8	37

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55	Privacy-Preserving Incentive Mechanism Design for Federated Cloud-Edge Learning. IEEE Transactions on Network Science and Engineering, 2021, 8, 2588-2600.	6.4	21
56	Reconfigurable Intelligent Surface Enhanced NOMA Assisted Backscatter Communication System. IEEE Transactions on Vehicular Technology, 2021, 70, 7261-7266.	6.3	23
57	Ultra-Dense LEO Satellite Constellations: How Many LEO Satellites Do We Need?. IEEE Transactions on Wireless Communications, 2021, 20, 4843-4857.	9.2	56
58	Meta-material Sensors based Internet of Things for 6G Communications. , 2021, , .		3
59	Reconfigurable Holographic Surfaces for Future Wireless Communications. IEEE Wireless Communications, 2021, 28, 126-131.	9.0	30
60	Multi-layer LEO Satellite Constellation Design for Seamless Global Coverage. , 2021, , .		9
61	Peer-to-Peer Energy Trading in DC Packetized Power Microgrids. IEEE Journal on Selected Areas in Communications, 2020, 38, 17-30.	14.0	15
62	Unmanned Aerial Vehicle Applications over Cellular Networks for 5G and Beyond. Wireless Networks, 2020, , .	0.5	47
63	Mean-Field-Type Game-Based Computation Offloading in Multi-Access Edge Computing Networks. IEEE Transactions on Wireless Communications, 2020, 19, 8366-8381.	9.2	16
64	Satellite-Aerial Integrated Computing in Disasters: User Association and Offloading Decision. , 2020, , .		24
65	Sensing and Communication Tradeoff Design for AoI Minimization in a Cellular Internet of UAVs. , 2020, , .		13
66	Interference Exploitation Precoding for Reconfigurable Intelligent Surface Aided Multi-User Communications With Direct Links. IEEE Wireless Communications Letters, 2020, 9, 1937-1941.	5.0	16
67	Beyond Intelligent Reflecting Surfaces: Reflective-Transmissive Metasurface Aided Communications for Full-Dimensional Coverage Extension. IEEE Transactions on Vehicular Technology, 2020, 69, 13905-13909.	6.3	87
68	Improving Quality of Experience by Adaptive Video Streaming with Super-Resolution. , 2020, , .		42
69	Reconfigurable Intelligent Surface Based RF Sensing: Design, Optimization, and Implementation. IEEE Journal on Selected Areas in Communications, 2020, 38, 2700-2716.	14.0	114
70	Deep Reinforcement Learning based Indoor Air Quality Sensing by Cooperative Mobile Robots. , 2020, , .		2
71	Multi-Layer Radio Network Slicing for Heterogeneous Communication Systems. IEEE Transactions on Network Science and Engineering, 2020, 7, 2378-2391.	6.4	1
72	Age of Information in a Cellular Internet of UAVs: Sensing and Communication Trade-Off Design. IEEE Transactions on Wireless Communications, 2020, 19, 6578-6592.	9.2	78

#	ARTICLE	IF	CITATIONS
73	Sense-Store-Send: Trajectory Optimization for a Buffer-Aided Internet of UAVs. IEEE Communications Letters, 2020, 24, 2888-2892.	4.1	6
74	Distributed Energy Saving for Heterogeneous Multi-layer Mobile Edge Computing. , 2020, , .		3
75	PERM: Neural Adaptive Video Streaming with Multi-path Transmission. , 2020, , .		17
76	Cooperative Internet of UAVs: Distributed Trajectory Design by Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Communications, 2020, 68, 6807-6821.	7.8	99
77	Equilibrium Problems With Equilibrium Constraints Analysis for Power Control and User Scheduling in NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5467-5480.	6.3	10
78	Hybrid Precoding Design for Reconfigurable Intelligent Surface Aided mmWave Communication Systems. IEEE Wireless Communications Letters, 2020, 9, 1041-1045.	5.0	92
79	Beyond D2D: Full Dimension UAV-to-Everything Communications in 6G. IEEE Transactions on Vehicular Technology, 2020, 69, 6592-6602.	6.3	93
80	Ultra-Dense LEO Satellite Offloading for Terrestrial Networks: How Much to Pay the Satellite Operator?. IEEE Transactions on Wireless Communications, 2020, 19, 6240-6254.	9.2	49
81	AirScope: Mobile Robots-Assisted Cooperative Indoor Air Quality Sensing by Distributed Deep Reinforcement Learning. IEEE Internet of Things Journal, 2020, 7, 9189-9200.	8.7	16
82	How Capacity is Influenced by Ultra-dense LEO Topology in Multi-terminal Satellite Systems?. , 2020, , .		4
83	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.	14.0	318
84	Reconfigurable Intelligent Surfaces Assisted Communications With Limited Phase Shifts: How Many Phase Shifts Are Enough?. IEEE Transactions on Vehicular Technology, 2020, 69, 4498-4502.	6.3	232
85	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.	6.3	110
86	HetMEC: Heterogeneous Multi-Layer Mobile Edge Computing in the 6 G Era. IEEE Transactions on Vehicular Technology, 2020, 69, 4388-4400.	6.3	50
87	Joint Resource Management With Distributed Uplink Power Control in Full-Duplex OFDMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 2850-2863.	6.3	13
88	Reinforcement Learning for a Cellular Internet of UAVs: Protocol Design, Trajectory Control, and Resource Management. IEEE Wireless Communications, 2020, 27, 116-123.	9.0	66
89	Cellular UAV-to-Device Communications: Trajectory Design and Mode Selection by Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Communications, 2020, 68, 4175-4189.	7.8	58
90	Cellular Assisted UAV Sensing. Wireless Networks, 2020, , 101-221.	0.5	7

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91	Reconfigurable Intelligent Surfaces for Wireless Communications: Principles, Challenges, and Opportunities. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 990-1002.	7.9	389
92	Overview of 5G and Beyond Communications. Wireless Networks, 2020, , 1-25.	0.5	0
93	UAV Assisted Cellular Communications. Wireless Networks, 2020, , 61-100.	0.5	4
94	Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 16270-16275.	6.3	36
95	Unlicensed Spectrum Sharing with WiGig in Millimeter-wave Cellular Networks in 6G Era. , 2020, , .		11
96	Reconfigurable Intelligent Surface Assisted D2D Networks: Power and Discrete Phase Shift Design. , 2020, , .		3
97	HetMEC: Latency-Optimal Task Assignment and Resource Allocation for Heterogeneous Multi-Layer Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2019, 18, 4942-4956.	9.2	69
98	Platoon Cooperation in Cellular V2X Networks for 5G and Beyond. IEEE Transactions on Wireless Communications, 2019, 18, 3919-3932.	9.2	82
99	Implementation and Optimization of Real-Time Fine-Grained Air Quality Sensing Networks in Smart City. , 2019, , .		3
100	Network Controlled D2D Communications: Licensed or Unlicensed Spectrum?. , 2019, , .		3
101	Device-to-Device Communications Underlying Cellular Networks: To Use Unlicensed Spectrum or Not?. IEEE Transactions on Communications, 2019, 67, 6598-6611.	7.8	13
102	A Mean-Field-Type Game Approach to Computation Offloading in Mobile Edge Computing Networks. , 2019, , .		10
103	Cooperation Techniques for a Cellular Internet of Unmanned Aerial Vehicles. IEEE Wireless Communications, 2019, 26, 167-173.	9.0	54
104	Peer to Peer Packet Dispatching in DC Power Packetized Microgrids. , 2019, , .		1
105	Cooperative Trajectory Optimization for a Cellular Internet of UAVs. , 2019, , .		1
106	Joint Platoon Formation and Resource Allocation for Connected Vehicles by Cellular V2X Communication. , 2019, , .		3
107	Real-time Prediction for Fine-grained Air Quality Monitoring System with Asynchronous Sensing. , 2019, , .		4
108	Cellular UAV-to-X Communications: Design and Optimization for Multi-UAV Networks. IEEE Transactions on Wireless Communications, 2019, 18, 1346-1359.	9.2	281

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109	DRL360: 360-degree Video Streaming with Deep Reinforcement Learning. , 2019, , .		94
110	ImgSensingNet: UAV Vision Guided Aerial-Ground Air Quality Sensing System. , 2019, , .		33
111	LadderNet: Knowledge Transfer Based Viewpoint Prediction in 360 Video. , 2019, , .		11
112	Ultra-Dense LEO: Integration of Satellite Access Networks into 5G and Beyond. IEEE Wireless Communications, 2019, 26, 62-69.	9.0	174
113	Dual Trajectory Optimization for a Cooperative Internet of UAVs. IEEE Communications Letters, 2019, 23, 1093-1096.	4.1	20
114	Device-to-Device Communications over Unlicensed Spectrum. , 2019, , 1205-1234.		0
115	UAV Aided Aerial-Ground IoT for Air Quality Sensing in Smart City: Architecture, Technologies, and Implementation. IEEE Network, 2019, 33, 14-22.	6.9	81
116	IoT-U: Cellular Internet-of-Things Networks Over Unlicensed Spectrum. IEEE Transactions on Wireless Communications, 2019, 18, 2477-2492.	9.2	29
117	Cooperative Collision Avoidance for Overtaking Maneuvers in Cellular V2X-Based Autonomous Driving. IEEE Transactions on Vehicular Technology, 2019, 68, 4434-4446.	6.3	42
118	Real-Time Fine-Grained Air Quality Sensing Networks in Smart City: Design, Implementation, and Optimization. IEEE Internet of Things Journal, 2019, 6, 7526-7542.	8.7	15
119	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.	10.8	9
120	Trajectory Optimization and Resource Allocation for Multi-User OFDMA UAV Relay Networks. , 2019, , .		6
121	Joint Task Assignment and Resource Allocation in the Heterogeneous Multi-Layer Mobile Edge Computing Networks. , 2019, , .		6
122	Pricing Mechanism Design for Data Offloading in Ultra-Dense LEO-Based Satellite-Terrestrial Networks. , 2019, , .		1
123	Distributed Trajectory Design for Cooperative Internet of UAVs Using Deep Reinforcement Learning. , 2019, , .		11
124	Trajectory Design for Overlay UAV-to-Device Communications by Deep Reinforcement Learning. , 2019, , .		2
125	Virtual Resource Allocation for Mobile Edge Computing: A Hypergraph Matching Approach. , 2019, , .		4
126	Joint Data Offloading and Resource Allocation for Multi-Cloud Heterogeneous Mobile Edge Computing Using Multi-Agent Reinforcement Learning. , 2019, , .		11

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127	Hypergraph-Based SCMA Codebook Allocation in User-Centric Ultra-Dense Networks with Machine Learning. , 2019, , .		2
128	Peer-to-Peer Energy Trading in DC Packetized Power Microgrids Using Iterative Auction. , 2019, , .		3
129	Device-to-Device Load Balancing for Cellular Networks. IEEE Transactions on Communications, 2019, 67, 3040-3054.	7.8	11
130	Peer-to-Peer Packet Dispatching for Multi-Router Local Area Packetized Power Networks. IEEE Transactions on Smart Grid, 2019, 10, 5748-5758.	9.0	15
131	Cellular Cooperative Unmanned Aerial Vehicle Networks With Sense-and-Send Protocol. IEEE Internet of Things Journal, 2019, 6, 1754-1767.	8.7	37
132	Joint Task Assignment, Transmission, and Computing Resource Allocation in Multilayer Mobile Edge Computing Systems. IEEE Internet of Things Journal, 2019, 6, 2872-2884.	8.7	118
133	Reinforcement Learning for Decentralized Trajectory Design in Cellular UAV Networks With Sense-and-Send Protocol. IEEE Internet of Things Journal, 2019, 6, 6177-6189.	8.7	77
134	Ultra-Dense LEO: Integrating Terrestrial-Satellite Networks Into 5G and Beyond for Data Offloading. IEEE Transactions on Wireless Communications, 2019, 18, 47-62.	9.2	174
135	Short-Packet Two-Way Amplify-and-Forward Relaying. IEEE Signal Processing Letters, 2018, 25, 263-267.	3.6	23
136	Game Theoretic Approaches to Massive Data Processing in Wireless Networks. IEEE Wireless Communications, 2018, 25, 98-104.	9.0	4
137	Load Balancing for 5G Ultra-Dense Networks Using Device-to-Device Communications. IEEE Transactions on Wireless Communications, 2018, 17, 4039-4050.	9.2	52
138	X-Duplex Radios: Flexible Switching Between Full-Duplex and Half-Duplex. IEEE Wireless Communications Letters, 2018, 7, 94-97.	5.0	15
139	Joint Trajectory and Power Optimization for UAV Relay Networks. IEEE Communications Letters, 2018, 22, 161-164.	4.1	367
140	Real-Time Profiling of Fine-Grained Air Quality Index Distribution Using UAV Sensing. IEEE Internet of Things Journal, 2018, 5, 186-198.	8.7	125
141	Antenna Selection for MIMO Nonorthogonal Multiple Access Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3158-3171.	6.3	51
142	ROOMMATES: An Unsupervised Indoor Peer Discovery Approach for LTE D2D Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 5069-5083.	6.3	13
143	Joint Radio and Computational Resource Allocation in IoT Fog Computing. IEEE Transactions on Vehicular Technology, 2018, 67, 7475-7484.	6.3	132
144	Hybrid MAC Protocol Design and Optimization for Full Duplex Wi-Fi Networks. IEEE Transactions on Wireless Communications, 2018, 17, 3615-3630.	9.2	23

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145	Optimal Power Dispatching for Local Area Packetized Power Network. IEEE Transactions on Smart Grid, 2018, 9, 4765-4776.	9.0	37
146	Cooperative Sensing and Transmission for Cellular Network Controlled Unmanned Aerial Vehicles. , 2018, , .		3
147	Optimal Trajectory Planning of Drones for 3D Mobile Sensing. , 2018, , .		6
148	Resource Allocation and Trajectory Design for Cellular UAV-to-X Communication Networks in 5G. , 2018, , .		6
149	A Stackelberg Game Approach to Large-Scale Edge Caching. , 2018, , .		1
150	Tri-Level Stackelberg Game for Resource Allocation in Radio Access Network Slicing. , 2018, , .		10
151	SIGN: War-Driving Free Indoor Navigation Using Coded Visual Tags. , 2018, , .		0
152	Human Behavior Based Learning Framework for Spectrum Allocation in Downlink CoMP for 5G Networks. , 2018, , .		1
153	Cellular Internet-of-Things (IoT) Communications over Unlicensed Band. , 2018, , .		3
154	Optimal Trajectory Planning for UAV-relayed Dynamic Spectrum Access. , 2018, , .		0
155	Data Offloading in Ultra-Dense LEO-Based Integrated Terrestrial-Satellite Networks. , 2018, , .		9
156	Cooperative Collision Avoidance Scheme Design and Analysis in V2X-Based Driving Systems. , 2018, , .		2
157	Human Behavior Based Learning Framework for Small Cell Placement in 5G Networks Using Hypergraph Construction. , 2018, , .		0
158	Peer to Peer Packet Dispatching for Local Area Packetized Power Networks with Multiple Routers. , 2018, , .		2
159	Proactive Video Push for Optimizing Bandwidth Consumption in Hybrid CDN-P2P VoD Systems. , 2018, , .		23
160	Sensor Deployment Recommendation for 3D Fine-Grained Air Quality Monitoring Using Semi-Supervised Learning. , 2018, , .		10
161	Trellis Coded Modulation for Code-Domain Non-Orthogonal Multiple Access Networks. , 2018, , .		7
162	Joint Trajectory and Power Optimization for UAV Sensing Over Cellular Networks. IEEE Communications Letters, 2018, 22, 2382-2385.	4.1	52

#	ARTICLE	IF	CITATIONS
163	Cellular V2X Communications in Unlicensed Spectrum for 5G Networks. , 2018, , .		4
164	Game Theory for Big Data Processing: Multileader Multifollower Game-Based ADMM. IEEE Transactions on Signal Processing, 2018, 66, 3933-3945.	5.3	16
165	Stackelberg-type channel state information feedback control game for energy efficiency in wireless networks. IET Communications, 2018, 12, 297-303.	2.2	0
166	Spectrum Trading Contract Design for UAV Assisted Offloading in Cellular Networks. , 2018, , .		5
167	UAV Relaying: Power Allocation and Trajectory Optimization Using Decode-and-Forward Protocol. , 2018, , .		42
168	AQNet: Fine-grained 3D spatio-temporal air quality monitoring by aerial-ground WSN. , 2018, , .		19
169	UAV Offloading: Spectrum Trading Contract Design for UAV-Assisted Cellular Networks. IEEE Transactions on Wireless Communications, 2018, 17, 6093-6107.	9.2	54
170	A Stackelberg Game Approach to Proactive Caching in Large-Scale Mobile Edge Networks. IEEE Transactions on Wireless Communications, 2018, 17, 5198-5211.	9.2	57
171	Cellular V2X Communications in Unlicensed Spectrum: Harmonious Coexistence With VANET in 5G Systems. IEEE Transactions on Wireless Communications, 2018, 17, 5212-5224.	9.2	111
172	Collaborative Smartphone Sensing Using Overlapping Coalition Formation Games. IEEE Transactions on Mobile Computing, 2017, 16, 30-43.	5.8	23
173	Bridge the Gap Between ADMM and Stackelberg Game: Incentive Mechanism Design for Big Data Networks. IEEE Signal Processing Letters, 2017, 24, 191-195.	3.6	21
174	On the Performance of X-Duplex Relaying. IEEE Transactions on Wireless Communications, 2017, 16, 1868-1880.	9.2	13
175	X-Duplex Relaying: Adaptive Antenna Configuration. IEEE Communications Letters, 2017, 21, 1083-1086.	4.1	5
176	Non-Cash Auction for Spectrum Trading in Cognitive Radio Networks: Contract Theoretical Model With Joint Adverse Selection and Moral Hazard. IEEE Journal on Selected Areas in Communications, 2017, 35, 643-653.	14.0	41
177	Incentive Mechanism for Mobile Crowdsourcing Using an Optimized Tournament Model. IEEE Journal on Selected Areas in Communications, 2017, 35, 880-892.	14.0	62
178	Dynamic Path To Stability in LTE-Unlicensed With User Mobility: A Matching Framework. IEEE Transactions on Wireless Communications, 2017, 16, 4547-4561.	9.2	48
179	Full-Duplex Amplify-and-Forward Relaying: Power and Location Optimization. IEEE Transactions on Vehicular Technology, 2017, 66, 8458-8468.	6.3	46
180	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.	9.2	68

#	ARTICLE	IF	CITATIONS
181	D2D-U: Device-to-Device Communications in Unlicensed Bands for 5G System. IEEE Transactions on Wireless Communications, 2017, 16, 3507-3519.	9.2	131
182	How Much Computing Capability Is Enough to Run a Cloud Radio Access Network?. IEEE Communications Letters, 2017, 21, 104-107.	4.1	29
183	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.	14.0	127
184	Roadside Unit Caching: Auction-Based Storage Allocation for Multiple Content Providers. IEEE Transactions on Wireless Communications, 2017, 16, 6321-6334.	9.2	53
185	Bridging the gap between big data and game theory: A general hierarchical pricing framework. , 2017, , .		6
186	Device-to-device communications underlying cellular networks in unlicensed bands. , 2017, , .		8
187	Cost Efficiency for Economical Mobile Data Traffic Management From Users's Perspective. IEEE Transactions on Wireless Communications, 2017, 16, 362-375.	9.2	11
188	A Multi-Leader Multi-Follower Stackelberg Game for Resource Management in LTE Unlicensed. IEEE Transactions on Wireless Communications, 2017, 16, 348-361.	9.2	75
189	Arms: A Fine-Grained 3D AQI Realtime Monitoring System by UAV. , 2017, , .		23
190	NOMA-Based Low-Latency and High-Reliable Broadcast Communications for 5G V2X Services. , 2017, , .		24
191	Load Balancing for Cellular Networks Using Device-to-Device Communications. , 2017, , .		2
192	An EPEC Analysis for Power Allocation in LTE-V Networks. , 2017, , .		3
193	Large-Scale Fog Computing Optimization Using Equilibrium Problem with Equilibrium Constraints. , 2017, , .		11
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