Branka Vucetic

List of Publications by Year in descending order

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311 papers	9,866 citations	44069 48 h-index	58581 82 g-index
312 all docs	312 docs citations	312 times ranked	6735 citing authors

#	Article	IF	Citations
1	Wireless Secret Key Generation for Distributed Antenna Systems: A Joint Space-Time-Frequency Perspective. IEEE Internet of Things Journal, 2022, 9, 633-647.	8.7	12
2	Optimizing Information Freshness via Multiuser Scheduling With Adaptive NOMA/OMA. IEEE Transactions on Wireless Communications, 2022, 21, 1766-1778.	9.2	17
3	Remote State Estimation With Smart Sensors Over Markov Fading Channels. IEEE Transactions on Automatic Control, 2022, 67, 2743-2757.	5.7	22
4	Satisfaction-Maximized Secure Computation Offloading in Multi-Eavesdropper MEC Networks. IEEE Transactions on Wireless Communications, 2022, 21, 4227-4241.	9.2	9
5	Client Scheduling in Wireless Federated Learning Based on Channel and Learning Qualities. IEEE Wireless Communications Letters, 2022, 11, 732-735.	5.0	5
6	Stochastic Analysis of Double Blockchain Architecture in IoT Communication Networks. IEEE Internet of Things Journal, 2022, 9, 9700-9711.	8.7	8
7	Calibrated Bandit Learning for Decentralized Task Offloading in Ultra-Dense Networks. IEEE Transactions on Communications, 2022, 70, 2547-2560.	7.8	11
8	Significant Low-Dimensional Spectral-Temporal Features for Seizure Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 668-677.	4.9	18
9	Game Theoretic Physical Layer Authentication for Spoofing Detection in UAV Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 6750-6755.	6.3	9
10	Analysis and Design of Short Analog Fountain Codes for the Multiple Access Channel. IEEE Communications Letters, 2022, 26, 1454-1458.	4.1	0
11	A Tutorial on Bandit Learning and Its Applications in 5G Mobile Edge Computing (Invited Paper). Frontiers in Signal Processing, 2022, 2, .	1.7	0
12	Stability Conditions for Remote State Estimation of Multiple Systems Over Semi-Markov Fading Channels. , 2022, 6, 2954-2959.		4
13	Caching and UAV Friendly Jamming for Secure Communications With Active Eavesdropping Attacks. IEEE Transactions on Vehicular Technology, 2022, 71, 11251-11256.	6.3	9
14	Graph Neural Network Aided MU-MIMO Detectors. IEEE Journal on Selected Areas in Communications, 2022, 40, 2540-2555.	14.0	12
15	Performance Analysis and Optimization of NOMA With HARQ for Short Packet Communications in Massive IoT. IEEE Internet of Things Journal, 2021, 8, 4736-4748.	8.7	27
16	Interference Exploitation Precoding for Multi-Level Modulations: Closed-Form Solutions. IEEE Transactions on Communications, 2021, 69, 291-308.	7.8	60
17	Deep Learning for Radio Resource Allocation With Diverse Quality-of-Service Requirements in 5G. IEEE Transactions on Wireless Communications, 2021, 20, 2309-2324.	9.2	48
18	On the Latency, Rate, and Reliability Tradeoff in Wireless Networked Control Systems for IIoT. IEEE Internet of Things Journal, 2021, 8, 723-733.	8.7	40

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19	LayerChain: A Hierarchical Edge-Cloud Blockchain for Large-Scale Low-Delay Industrial Internet of Things Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 5077-5086.	11.3	33
20	Over-the-Air Computation via Broadband Channels. IEEE Wireless Communications Letters, 2021, 10, 2150-2154.	5.0	11
21	Training Beam Sequence Design for Multiuser Millimeter Wave Tracking Systems. IEEE Transactions on Communications, 2021, 69, 6939-6955.	7.8	6
22	Nonorthogonal HARQ for URLLC: Design and Analysis. IEEE Internet of Things Journal, 2021, 8, 17596-17610.	8.7	25
23	Two-Dimensional Task Offloading for Mobile Networks: An Imitation Learning Framework. IEEE/ACM Transactions on Networking, 2021, 29, 2494-2507.	3.8	7
24	Recursive Design of Precoded Polar Codes for SCL Decoding. IEEE Transactions on Communications, 2021, 69, 7945-7959.	7.8	7
25	Deep Multi-Task Learning for Cooperative NOMA: System Design and Principles. IEEE Journal on Selected Areas in Communications, 2021, 39, 61-78.	14.0	9
26	Deep Residual Learning-Assisted Channel Estimation in Ambient Backscatter Communications. IEEE Wireless Communications Letters, 2021, 10, 339-343.	5.0	30
27	A Tutorial on Ultrareliable and Low-Latency Communications in 6G: Integrating Domain Knowledge Into Deep Learning. Proceedings of the IEEE, 2021, 109, 204-246.	21.3	182
28	Communication-and-Computing Latency Minimization for UAV-Enabled Virtual Reality Delivery Systems. IEEE Transactions on Communications, 2021, 69, 1723-1735.	7.8	33
29	Deep Learning for Distributed User Association in Massive Industrial IoT Networks. , 2021, , .		2
30	Optimizing Information Freshness in Two-Hop Status Update Systems Under a Resource Constraint. IEEE Journal on Selected Areas in Communications, 2021, 39, 1380-1392.	14.0	25
31	Constrained Reinforcement Learning for Resource Allocation in Network Slicing. IEEE Communications Letters, 2021, 25, 1554-1558.	4.1	23
32	Probability-Based Ordered-Statistics Decoding for Short Block Codes. IEEE Communications Letters, 2021, 25, 1791-1795.	4.1	13
33	Knowledge-Assisted Deep Reinforcement Learning in 5G Scheduler Design: From Theoretical Framework to Implementation. IEEE Journal on Selected Areas in Communications, 2021, 39, 2014-2028.	14.0	37
34	A Revisit to Ordered Statistics Decoding: Distance Distribution and Decoding Rules. IEEE Transactions on Information Theory, 2021, 67, 4288-4337.	2.4	21
35	Over-the-Air Computation With Spatial-and-Temporal Correlated Signals. IEEE Wireless Communications Letters, 2021, 10, 1591-1595.	5.0	12
36	Delay-Sensitive NOMA-HARQ for Short Packet Communications. Entropy, 2021, 23, 880.	2.2	6

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37	Distributed Multi-Agent Target Tracking: A Nash-Combined Adaptive Differential Evolution Method for UAV Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 8122-8133.	6.3	23
38	Mobile User Trajectory Tracking for IRS Enabled Wireless Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 8331-8336.	6.3	3
39	A Bayesian Receiver With Improved Complexity-Reliability Trade-Off in Massive MIMO Systems. IEEE Transactions on Communications, 2021, 69, 6251-6266.	7.8	7
40	Task Offloading for Large-Scale Asynchronous Mobile Edge Computing: An Index Policy Approach. IEEE Transactions on Signal Processing, 2021, 69, 401-416.	5.3	14
41	Analysis and Design of Analog Fountain Codes for Short Packet Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 12662-12674.	6.3	6
42	Scalable Double Blockchain Architecture for IoT Information and Reputation Management. , 2021, , .		9
43	Edge-Wise Gated Graph Neural Network for User Association in Massive URLLC. , 2021, , .		1
44	Distributed Signal Strength Prediction using Satellite Map empowered by Deep Vision Transformer. , 2021, , .		6
45	Analysis and Optimization of HARQ for URLLC. , 2021, , .		4
46	Intelligent Communications for Tactile Internet in 6G: Requirements, Technologies, and Challenges. IEEE Communications Magazine, 2021, 59, 82-88.	6.1	19
47	User-Oriented Task Offloading for Mobile Edge Computing in Ultra-Dense Networks. , 2021, , .		5
48	Autonomous Area Exploration and Mapping in Underground Mine Environments by Unmanned Aerial Vehicles. Robotica, 2020, 38, 442-456.	1.9	34
49	Secure Communications for UAV-Enabled Mobile Edge Computing Systems. IEEE Transactions on Communications, 2020, 68, 376-388.	7.8	163
50	Prediction and Communication Co-Design for Ultra-Reliable and Low-Latency Communications. IEEE Transactions on Wireless Communications, 2020, 19, 1196-1209.	9.2	55
51	Beam Allocation for Millimeter-Wave MIMO Tracking Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 1595-1611.	6.3	8
52	Optimal Downlinkâ€“Uplink Scheduling of Wireless Networked Control for Industrial IoT. IEEE Internet of Things Journal, 2020, 7, 1756-1772.	8.7	25
53	Non-orthogonal HARQ for Delay Sensitive Applications. , 2020, , .		5
54	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

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55	Deep Learning for Ultra-Reliable and Low-Latency Communications in 6G Networks. IEEE Network, 2020, 34, 219-225.	6.9	80
56	A Linear Bayesian Learning Receiver Scheme for Massive MIMO Systems. , 2020, , .		3
57	Over-the-Air Computation Systems: Optimal Design With Sum-Power Constraint. IEEE Wireless Communications Letters, 2020, 9, 1524-1528.	5.0	26
58	Wireless Feedback Control With Variable Packet Length for Industrial IoT. IEEE Wireless Communications Letters, 2020, 9, 1586-1590.	5.0	20
59	Minimizing Age of Information via Hybrid NOMA/OMA. , 2020, , .		25
60	Minimum-Latency FEC Design With Delayed Feedback: Mathematical Modeling and Efficient Algorithms. IEEE Transactions on Wireless Communications, 2020, 19, 7210-7223.	9.2	12
61	Minimizing the Age of Information of Cognitive Radio-Based IoT Systems Under a Collision Constraint. IEEE Transactions on Wireless Communications, 2020, 19, 8054-8067.	9.2	41
62	Design of Short Polar Codes for SCL Decoding. IEEE Transactions on Communications, 2020, 68, 6657-6668.	7.8	15
63	Physical Layer Authentication for Non-Coherent Massive SIMO-Enabled Industrial IoT Communications. IEEE Transactions on Information Forensics and Security, 2020, 15, 3722-3733.	6.9	35
64	CrowdR-FBC: A Distributed Fog-Blockchains for Mobile Crowdsourcing Reputation Management. IEEE Internet of Things Journal, 2020, 7, 8722-8735.	8.7	38
65	Deep Autoencoder Learning for Relay-Assisted Cooperative Communication Systems. IEEE Transactions on Communications, 2020, 68, 5471-5488.	7.8	19
66	Hybrid Precoding Design for Reconfigurable Intelligent Surface Aided mmWave Communication Systems. IEEE Wireless Communications Letters, 2020, 9, 1041-1045.	5.0	92
67	Computation Offloading for IoT in C-RAN: Optimization and Deep Learning. IEEE Transactions on Communications, 2020, 68, 4565-4579.	7.8	25
68	A Tutorial on Interference Exploitation via Symbol-Level Precoding: Overview, State-of-the-Art and Future Directions. IEEE Communications Surveys and Tutorials, 2020, 22, 796-839.	39.4	158
69	Real-Time Remote Estimation With Hybrid ARQ in Wireless Networked Control. IEEE Transactions on Wireless Communications, 2020, 19, 3490-3504.	9.2	44
70	Interference Exploitation 1-Bit Massive MIMO Precoding: A Partial Branch-and-Bound Solution With Near-Optimal Performance. IEEE Transactions on Wireless Communications, 2020, 19, 3474-3489.	9.2	32
71	Multi-BS association and Pilot Allocation via Pursuit Learning. , 2020, , .		1
72	Dynamic HARQ with Guaranteed Delay. , 2020, , .		11

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73	Over-the-Air Computation Systems: Optimization, Analysis and Scaling Laws. IEEE Transactions on Wireless Communications, 2020, 19, 5488-5502.	9.2	113
74	Physical Layer Authentication for Non-coherent Massive SIMO-Based Industrial IoT Communications. , 2020, , .		4
75	Hybrid-Precoding for mmWave Multi-User Communications in the Presence of Beam-Misalignment. IEEE Transactions on Wireless Communications, 2020, 19, 6083-6099.	9.2	6
76	Wireless Networked Control Systems With Coding-Free Data Transmission for Industrial IoT. IEEE Internet of Things Journal, 2020, 7, 1788-1801.	8.7	26
77	Online Learning Enabled Task Offloading for Vehicular Edge Computing. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	20
78	Minimum Cost Reconfigurable Network Template Design With Guaranteed QoS. IEEE Transactions on Communications, 2020, 68, 1013-1024.	7.8	1
79	Spectrum Intelligent Radio: Technology, Development, and Future Trends. IEEE Communications Magazine, 2020, 58, 12-18.	6.1	16
80	Offloading Optimization for Low-Latency Secure Mobile Edge Computing Systems. IEEE Wireless Communications Letters, 2020, 9, 480-484.	5.0	29
81	Real-Time Task Offloading for Large-Scale Mobile Edge Computing. , 2020, , .		1
82	Pursuit Learning-Based Joint Pilot Allocation and Multi-Base Station Association in a Distributed Massive MIMO Network. IEEE Access, 2020, 8, 58898-58911.	4.2	4
83	Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 16270-16275.	6.3	36
84	Performance Analysis of Terahertz Unmanned Aerial Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 16330-16335.	6.3	26
85	Gaussian Process Reinforcement Learning for Fast Opportunistic Spectrum Access. IEEE Transactions on Signal Processing, 2020, 68, 2613-2628.	5.3	7
86	Interference Exploitation Precoding for Multi-level Modulations. , 2019, , .		2
87	Noncoherent and Non-orthogonal Massive SIMO for Critical Industrial IoT Communications. , 2019, , .		9
88	Ultra-Reliable and Low-Latency Communications: Prediction and Communication Co-Design. , 2019, , .		7
89	Learning Multiple Primary Transmit Power Levels for Smart Spectrum Sharing. , 2019, , .		0
90	Deep Learning for Hybrid 5G Services in Mobile Edge Computing Systems: Learn From a Digital Twin. IEEE Transactions on Wireless Communications, 2019, 18, 4692-4707.	9.2	166

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91	Improving Energy Efficiency of Ultra-Reliable Low-Latency and Delay Tolerant Services in Mobile Edge Computing Systems. , 2019, , .		4
92	Cross-Layer Design for Mission-Critical IoT in Mobile Edge Computing Systems. IEEE Internet of Things Journal, 2019, 6, 9360-9374.	8.7	41
93	A Machine Learning-Enabled Spectrum Sensing Method for OFDM Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 11374-11378.	6.3	41
94	A Learning-Based Two-Stage Spectrum Sharing Strategy With Multiple Primary Transmit Power Levels. IEEE Transactions on Signal Processing, 2019, 67, 4899-4914.	5.3	6
95	Xyreum: A High-Performance and Scalable Blockchain for IIoT Security and Privacy. , 2019, , .		18
96	Guest Editorial Special Issue on Low-Latency High-Reliability Communications for the IoT. IEEE Internet of Things Journal, 2019, 6, 7811-7815.	8.7	1
97	Minimizing Age of Information in Cognitive Radio-Based IoT Systems: Underlay or Overlay?. IEEE Internet of Things Journal, 2019, 6, 10273-10288.	8.7	58
98	To Retransmit or Not: Real-Time Remote Estimation in Wireless Networked Control. , 2019, , .		17
99	Noncoherent Multiuser Massive SIMO for Low-Latency Industrial IoT Communications. , 2019, , .		3
100	Novel Design for Short Analog Fountain Codes. IEEE Communications Letters, 2019, 23, 1306-1309.	4.1	20
101	Cooperative Beamforming for Multi-Cell Full Dimensional Massive MIMO Networks. , 2019, , .		2
102	Joint Beamforming and User Association Scheme for Full-Dimension Massive MIMO Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 7733-7746.	6.3	7
103	Fast Beam Tracking for Millimeter-Wave Systems Under High Mobility. , 2019, , .		4
104	Toward Ultrareliable Low-Latency Communications: Typical Scenarios, Possible Solutions, and Open Issues. IEEE Vehicular Technology Magazine, 2019, 14, 94-102.	3.4	66
105	Filling Two Needs With One Deed: Combo Pricing Plans for Computing-Intensive Multimedia Applications. IEEE Journal on Selected Areas in Communications, 2019, 37, 1518-1533.	14.0	9
106	Exploring AoA/AoD Dynamics in Beam Alignment of Mobile Millimeter Wave MIMO Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6172-6176.	6.3	17
107	High-Reliability and Low-Latency Wireless Communication for Internet of Things: Challenges, Fundamentals, and Enabling Technologies. IEEE Internet of Things Journal, 2019, 6, 7946-7970.	8.7	170
108	Energy Efficient Optimization of Wireless-Powered 5G Full Duplex Cellular Networks: A Mean Field Game Approach. IEEE Transactions on Green Communications and Networking, 2019, 3, 455-467.	5.5	23

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109	Timely Status Update in Internet of Things Monitoring Systems: An Age-Energy Tradeoff. IEEE Internet of Things Journal, 2019, 6, 5324-5335.	8.7	132
110	CyRA: A Real-Time Risk-Based Security Assessment Framework for Cyber Attacks Prevention in Industrial Control Systems. , 2019, , .		4
111	Hamming Distance Distribution of the 0-reprocessing Estimate of the Ordered Statistic Decoder. , 2019, , .		4
112	Performance Analysis of Short Analog Fountain Codes. , 2019, , .		4
113	Signal Design for AF Relay Systems Using Superposition Coding and Finite-Alphabet Inputs. , 2019, , .		0
114	On the Age of Information of Short-Packet Communications with Packet Management. , 2019, , .		44
115	On the Design of Analog Fountain Codes for Short Packet Communications in 5G URLLC. , 2019, , .		3
116	Recent Advances in Machine Learning-based Anomaly Detection for Industrial Control Networks. , 2019, , .		10
117	To Sense or to Control: Wireless Networked Control Using a Half-Duplex Controller for IIoT. , 2019, , .		5
118	Segmentation-Discarding Ordered-Statistic Decoding for Linear Block Codes. , 2019, , .		21
119	Real-Time Wireless Networked Control Systems with Coding-Free Data Transmission. , 2019, , .		7
120	Optimizing Resource Allocation for 5G Services with Diverse Quality-of-Service Requirements. , 2019, , .		6
121	Minimizing Age of Information for Real-Time Monitoring in Resource-Constrained Industrial IoT Networks. , 2019, , .		20
122	Codebook-Based Training Beam Sequence Design for Millimeter-Wave Tracking Systems. IEEE Transactions on Wireless Communications, 2019, 18, 5333-5349.	9.2	66
123	Beam Misalignment Aware Hybrid Transceiver Design in mmWave MIMO Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 10306-10310.	6.3	9
124	Short Block-Length Codes for Ultra-Reliable Low Latency Communications. IEEE Communications Magazine, 2019, 57, 130-137.	6.1	232
125	A Novel Analytical Framework for Massive Grant-Free NOMA. IEEE Transactions on Communications, 2019, 67, 2436-2449.	7.8	97
126	Energy-Efficient and Low-Latency Massive SIMO Using Noncoherent ML Detection for Industrial IoT Communications. IEEE Internet of Things Journal, 2019, 6, 6247-6261.	8.7	28

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127	Optimizing Resource Allocation in the Short Blocklength Regime for Ultra-Reliable and Low-Latency Communications. IEEE Transactions on Wireless Communications, 2019, 18, 402-415.	9.2	148
128	Universally Composable Key Bootstrapping and Secure Communication Protocols for the Energy Internet. IEEE Transactions on Information Forensics and Security, 2019, 14, 2113-2127.	6.9	3
129	Spectrum Sharing in Multi-Tenant 5G Cellular Networks: Modeling and Planning. IEEE Access, 2019, 7, 1602-1616.	4.2	15
130	Managing Vertical Handovers in Millimeter Wave Heterogeneous Networks. IEEE Transactions on Communications, 2019, 67, 1629-1644.	7.8	40
131	Localized Small Cell Caching: A Machine Learning Approach Based on Rating Data. IEEE Transactions on Communications, 2019, 67, 1663-1676.	7.8	41
132	Incentive Mechanism Design for Wireless Energy Harvesting-Based Internet of Things. IEEE Internet of Things Journal, 2018, 5, 2620-2632.	8.7	75
133	Short-Packet Two-Way Amplify-and-Forward Relaying. IEEE Signal Processing Letters, 2018, 25, 263-267.	3.6	23
134	A Unified Precoding Scheme for Generalized Spatial Modulation. IEEE Transactions on Communications, 2018, 66, 2502-2514.	7.8	22
135	Antenna Selection for MIMO Nonorthogonal Multiple Access Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3158-3171.	6.3	51
136	On the Performance of Non-Orthogonal Multiple Access in Short-Packet Communications. IEEE Communications Letters, 2018, 22, 590-593.	4.1	136
137	Ultra-Reliable Short-Packet Communications: Half-Duplex or Full-Duplex Relaying?. IEEE Wireless Communications Letters, 2018, 7, 348-351.	5.0	75
138	Accumulate Then Transmit: Multiuser Scheduling in Full-Duplex Wireless-Powered IoT Systems. IEEE Internet of Things Journal, 2018, 5, 2753-2767.	8.7	39
139	Distributed Multi-Relay Selection in Accumulate-Then-Forward Energy Harvesting Relay Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 74-86.	5.5	66
140	Beam-On-Graph: Simultaneous Channel Estimation for mmWave MIMO Systems With Multiple Users. IEEE Transactions on Communications, 2018, 66, 2931-2946.	7.8	17
141	Cooperative Strategies for Wireless-Powered Communications: An Overview. IEEE Wireless Communications, 2018, 25, 112-119.	9.0	45
142	Socially Aware Caching Strategy in Device-to-Device Communication Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4615-4629.	6.3	51
143	Traffic Load-Based Spectrum Sharing for Multi-Tenant Cellular Networks for IoT Services. , 2018, , .		1
144	A Multi-Layer Grant-Free NOMA Scheme for Short Packet Transmissions. , 2018, , .		11

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145	Collision Free Navigation of a Flying Robot for Underground Mine Search and Mapping. , 2018, , .		4
146	Low Latency mmWave Backhaul via Traffic Dispersion. , 2018, , .		3
147	Multiuser MIMO Short-Packet Communications: Time-Sharing or Zero-Forcing Beamforming?. , 2018, , .		6
148	Burstiness-Aware Bandwidth Reservation for Ultra-Reliable and Low-Latency Communications in Tactile Internet. IEEE Journal on Selected Areas in Communications, 2018, 36, 2401-2410.	14.0	51
149	Mobile Bayesian Spectrum Learning for Heterogeneous Networks. , 2018, , .		0
150	Ultra-Reliable Low Latency Cellular Networks: Use Cases, Challenges and Approaches. IEEE Communications Magazine, 2018, 56, 119-125.	6.1	229
151	Mobile Collaborative Spectrum Sensing for Heterogeneous Networks: A Bayesian Machine Learning Approach. IEEE Transactions on Signal Processing, 2018, 66, 5634-5647.	5.3	51
152	Finite-Alphabet Noma for Two-User Uplink Channel. , 2018, , .		0
153	Improving Physical Layer Security via a UAV Friendly Jammer for Unknown Eavesdropper Location. IEEE Transactions on Vehicular Technology, 2018, 67, 11280-11284.	6.3	129
154	User Mobility Analysis in Disjoint-Clustered Cooperative Wireless Networks. , 2018, , .		2
155	Burstiness Aware Bandwidth Reservation for Uplink Transmission in Tactile Internet. , 2018, , .		5
156	Contention resolution algorithm for industrial Internet-of-Things networks. , 2018, , .		1
157	Improving Network Availability of Ultra-Reliable and Low-Latency Communications With Multi-Connectivity. IEEE Transactions on Communications, 2018, 66, 5482-5496.	7.8	56
158	Uplink Non-Orthogonal Multiple Access With Finite-Alphabet Inputs. IEEE Transactions on Wireless Communications, 2018, 17, 5743-5758.	9.2	26
159	Training Beam Sequence Optimization for Millimeter Wave MIMO Tracking Systems. , 2018, , .		12
160	Multi-tenant spectrum and SSIDs controller for WiFi networks. , 2018, , .		1
161	Backscatter Multiplicative Multiple-Access Systems: Fundamental Limits and Practical Design. IEEE Transactions on Wireless Communications, 2018, 17, 5713-5728.	9.2	66
162	On Ambient Backscatter Multiple-Access Systems. , 2018, , .		2

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163	A Lightweight Security and Privacy-Enhancing Key Establishment for Internet of Things Applications. , 2018, , .		11
164	A Probe-then-Refine Beam Tracking Algorithm for Millimeter Wave MISO Systems. , 2018, , .		8
165	Joint Beamwidth and Energy Optimization for Multi-User Millimeter Wave Communications. , 2018, , .		5
166	Dynamic Sectoring with Elevation Optimization Technique in 5G Cellular Networks. , 2018, , .		2
167	An expanded network coding with finite buffer size information dissemination approach in social networks. , 2018, , .		0
168	Analytical Model for Outdoor Millimeter Wave Channels Using Geometry-Based Stochastic Approach. IEEE Transactions on Vehicular Technology, 2017, 66, 912-926.	6.3	32
169	High-performance beamformer and low-complexity detector for DF-based full-duplex mimo relaying networks. China Communications, 2017, 14, 173-182.	3.2	8
170	Random Access for M2M Communications With QoS Guarantees. IEEE Transactions on Communications, 2017, 65, 2889-2903.	7.8	45
171	A Small-Cell Caching System in Mobile Cellular Networks With LoS and NLoS Channels. IEEE Access, 2017, 5, 1296-1305.	4.2	10
172	Dynamic Reuse of Unlicensed Spectrum: An Inter-Working of LTE and WiFi. IEEE Wireless Communications, 2017, 24, 52-59.	9.0	13
173	Joint Rate Control and Power Allocation for Non-Orthogonal Multiple Access Systems. IEEE Journal on Selected Areas in Communications, 2017, 35, 2798-2811.	14.0	55
174	Full-duplex cooperative cognitive radio networks with wireless energy harvesting. , 2017, , .		13
175	A contract-based incentive mechanism for energy harvesting-based Internet of Things. , 2017, , .		18
176	Radio Environment Map-Aided Doppler Shift Estimation in LTE Railway. IEEE Transactions on Vehicular Technology, 2017, 66, 4462-4467.	6.3	33
177	Millimeter Wave MIMO Channel Estimation Using Overlapped Beam Patterns and Rate Adaptation. IEEE Transactions on Signal Processing, 2017, 65, 601-616.	5.3	94
178	Secrecy outage probability and jamming coverage of UAV-enabled friendly jammer. , 2017, , .		20
179	Multi-user scheduling in full-duplex wireless-powered communications with energy accumulation. , 2017, , .		1
180	Low-Complexity Precoding for Spatial Modulation. , 2017, , .		1

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181	Antenna selection for MIMO-NOMA networks. , 2017, , .		26
182	User-Base Stations Association in Multi-Tenant Base Station Networks. , 2017, , .		0
183	Mobility handover optimization in millimeter wave heterogeneous networks. , 2017, , .		11
184	High-resolution wideband spectrum sensing based on sparse Bayesian learning. , 2017, , .		1
185	On the performance of massive grant-free NOMA. , 2017, , .		11
186	Sharpe ratio for joint user association and subcarrier allocation design in downlink heterogeneous cellular networks. , 2017, , .		3
187	Fountain code-inspired channel estimation for multi-user millimeter wave MIMO systems. , 2017, , .		3
188	Multi-cell coordination via disjoint clustering in dense millimeter wave cellular networks. , 2017, , .		4
189	Wireless-Powered Two-Way Relaying via a Multi-Antenna Relay with Energy Beamforming. , 2017, , .		1
190	A Low-Complexity Transceiver Design in Sparse Multipath Massive MIMO Channels. IEEE Signal Processing Letters, 2016, 23, 1301-1305.	3.6	5
191	Incremental Accumulate-then-Forward Relaying in Wireless Energy Harvesting Cooperative Networks. , 2016, , .		13
192	RACE: A Rate Adaptive Channel Estimation Approach for Millimeter Wave MIMO Systems. , 2016, , .		11
193	Wireless-Powered Two-Way Relaying with Power Splitting-Based Energy Accumulation. , 2016, , .		4
194	Accumulate then forward: An opportunistic relaying protocol for wireless-powered cooperative communications. , 2016, , .		2
195	Towards secure communication via a wireless-powered full-duplex jammer. , 2016, , .		1
196	Improving latency and reliability in 5G Internet-of-Things networks. , 2016, , .		1
197	Parallel Optimization Framework for Cloud-Based Small Cell Networks. IEEE Transactions on Wireless Communications, 2016, 15, 7286-7298.	9.2	6
198	Distributed multi-relay selection in wireless-powered cooperative networks with energy accumulation. , 2016, , .		6

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201	Learning automaton based distributed caching for mobile social networks. , 2016, , .		9
202	Robust Synthesis Scheme for Secure Multi-Beam Directional Modulation in Broadcasting Systems. IEEE Access, 2016, 4, 6614-6623.	4.2	85
203	Analysis on LT codes for unequal recovery time with complete and partial feedback. , 2016, , .		2
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