Branka Vucetic

List of Publications by Year
in descending order

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	Practical physical layer network coding for two-way relay channels: performance analysis and comparison. IEEE Transactions on Wireless Communications, 2010, 9, 764-777.	9.2	439
2	Harvest-Then-Cooperate: Wireless-Powered Cooperative Communications. IEEE Transactions on Signal Processing, 2015, 63, 1700-1711.	5.3	370
3	Turbo Codes. , 2000, , .		279
4	Short Block-Length Codes for Ultra-Reliable Low Latency Communications. IEEE Communications Magazine, 2019, 57, 130-137.	6.1	232
5	Ultra-Reliable Low Latency Cellular Networks: Use Cases, Challenges and Approaches. IEEE Communications Magazine, 2018, 56, 119-125.	6.1	229
6	Multi-gigabit millimeter wave wireless communications for 5G: from fixed access to cellular networks. , 2015, 53, 168-178.		212
7	Distributed power splitting for SWIPT in relay interference channels using game theory. IEEE Transactions on Wireless Communications, 2015, 14, 410-420.	9.2	201
8	Autonomous Demand Side Management Based on Energy Consumption Scheduling and Instantaneous Load Billing: An Aggregative Game Approach. IEEE Transactions on Smart Grid, 2014, 5, 1744-1754.	9.0	196
9	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
10	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
11	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
12	Secure Communications for UAV-Enabled Mobile Edge Computing Systems. IEEE Transactions on Communications, 2020, 68, 376-388.	7.8	163
13	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
14	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
15	Pricing and Resource Allocation via Game Theory for a Small-Cell Video Caching System. IEEE Journal on Selected Areas in Communications, 2016, 34, 2115-2129.	14.0	140
16	On the Performance of Non-Orthogonal Multiple Access in Short-Packet Communications. IEEE Communications Letters, 2018, 22, 590-593.	4.1	136
17	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
18	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

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19	Distributed Caching for Data Dissemination in the Downlink of Heterogeneous Networks. IEEE Transactions on Communications, 2015, 63, 3553-3568.	7.8	122
20	Cooperative Spectrum Sharing in Cognitive Radio Networks With Multiple Antennas. IEEE Transactions on Signal Processing, 2011, 59, 5509-5522.	5.3	118
21	Over-the-Air Computation Systems: Optimization, Analysis and Scaling Laws. IEEE Transactions on Wireless Communications, 2020, 19, 5488-5502.	9.2	113
22	A Novel Analytical Framework for Massive Grant-Free NOMA. IEEE Transactions on Communications, 2019, 67, 2436-2449.	7.8	97
23	Multiuser Cooperative Diversity Through Network Coding Based on Classical Coding Theory. IEEE Transactions on Signal Processing, 2012, 60, 916-926.	5.3	95
24	On the Performance of Multi-antenna Wireless-Powered Communications With Energy Beamforming. IEEE Transactions on Vehicular Technology, 2016, 65, 1801-1808.	6.3	94
25	Millimeter Wave MIMO Channel Estimation Using Overlapped Beam Patterns and Rate Adaptation. IEEE Transactions on Signal Processing, 2017, 65, 601-616.	5.3	94
26	Hybrid Precoding Design for Reconfigurable Intelligent Surface Aided mmWave Communication Systems. IEEE Wireless Communications Letters, 2020, 9, 1041-1045.	5.0	92
27	Distributed User Association and Femtocell Allocation in Heterogeneous Wireless Networks. IEEE Transactions on Communications, 2014, 62, 3027-3043.	7.8	89
28	Robust Synthesis Scheme for Secure Multi-Beam Directional Modulation in Broadcasting Systems. IEEE Access, 2016, 4, 6614-6623.	4.2	85
29	Deep Learning for Ultra-Reliable and Low-Latency Communications in 6G Networks. IEEE Network, 2020, 34, 219-225.	6.9	80
30	Incentive Mechanism Design for Wireless Energy Harvesting-Based Internet of Things. IEEE Internet of Things Journal, 2018, 5, 2620-2632.	8.7	75
31	Ultra-Reliable Short-Packet Communications: Half-Duplex or Full-Duplex Relaying?. IEEE Wireless Communications Letters, 2018, 7, 348-351.	5.0	75
32	Distributed and Optimal Resource Allocation for Power Beacon-Assisted Wireless-Powered Communications. IEEE Transactions on Communications, 2015, 63, 3569-3583.	7.8	74
33	Physical-Layer Security in Distributed Wireless Networks Using Matching Theory. IEEE Transactions on Information Forensics and Security, 2013, 8, 717-732.	6.9	68
34	Baseband Processing Units Virtualization for Cloud Radio Access Networks. IEEE Wireless Communications Letters, 2015, 4, 189-192.	5.0	68
35	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
36	Backscatter Multiplicative Multiple-Access Systems: Fundamental Limits and Practical Design. IEEE Transactions on Wireless Communications, 2018, 17, 5713-5728.	9.2	66

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37	Toward Ultrareliable Low-Latency Communications: Typical Scenarios, Possible Solutions, and Open Issues. IEEE Vehicular Technology Magazine, 2019, 14, 94-102.	3.4	66
38	Codebook-Based Training Beam Sequence Design for Millimeter-Wave Tracking Systems. IEEE Transactions on Wireless Communications, 2019, 18, 5333-5349.	9.2	66
39	Interference Exploitation Precoding for Multi-Level Modulations: Closed-Form Solutions. IEEE Transactions on Communications, 2021, 69, 291-308.	7.8	60
40	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
41	Near-Capacity Adaptive Analog Fountain Codes for Wireless Channels. IEEE Communications Letters, 2013, 17, 2241-2244.	4.1	56
42	Improving Network Availability of Ultra-Reliable and Low-Latency Communications With Multi-Connectivity. IEEE Transactions on Communications, 2018, 66, 5482-5496.	7.8	56
43	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
44	Prediction and Communication Co-Design for Ultra-Reliable and Low-Latency Communications. IEEE Transactions on Wireless Communications, 2020, 19, 1196-1209.	9.2	55
45	A New Iterative Doppler-Assisted Channel Estimation Joint With Parallel ICI Cancellation for High-Mobility MIMO-OFDM Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 1577-1589.	6.3	52
46	Adaptive Soft Frequency Reuse Scheme for Wireless Cellular Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 118-131.	6.3	51
47	Antenna Selection for MIMO Nonorthogonal Multiple Access Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3158-3171.	6.3	51
48	Socially Aware Caching Strategy in Device-to-Device Communication Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4615-4629.	6.3	51
49	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
50	Mobile Collaborative Spectrum Sensing for Heterogeneous Networks: A Bayesian Machine Learning Approach. IEEE Transactions on Signal Processing, 2018, 66, 5634-5647.	5.3	51
51	Probabilistic Rateless Multiple Access for Machine-to-Machine Communication. IEEE Transactions on Wireless Communications, 2015, 14, 6815-6826.	9.2	49
52	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
53	Performance Analysis of Distributed Space-Time Block-Encoded Sensor Networks. IEEE Transactions on Vehicular Technology, 2006, 55, 1776-1789.	6.3	45
54	Joint User Association and Resource Allocation in the Downlink of Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 5701-5706.	6.3	45

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55	Random Access for M2M Communications With QoS Guarantees. IEEE Transactions on Communications, 2017, 65, 2889-2903.	7.8	45
56	Cooperative Strategies for Wireless-Powered Communications: An Overview. IEEE Wireless Communications, 2018, 25, 112-119.	9.0	45
57	On the Age of Information of Short-Packet Communications with Packet Management. , 2019, , .		44
58	Real-Time Remote Estimation With Hybrid ARQ in Wireless Networked Control. IEEE Transactions on Wireless Communications, 2020, 19, 3490-3504.	9.2	44
59	Cross-Layer Design for Mission-Critical IoT in Mobile Edge Computing Systems. IEEE Internet of Things Journal, 2019, 6, 9360-9374.	8.7	41
60	A Machine Learning-Enabled Spectrum Sensing Method for OFDM Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 11374-11378.	6.3	41
61	Localized Small Cell Caching: A Machine Learning Approach Based on Rating Data. IEEE Transactions on Communications, 2019, 67, 1663-1676.	7.8	41
62	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
63	Managing Vertical Handovers in Millimeter Wave Heterogeneous Networks. IEEE Transactions on Communications, 2019, 67, 1629-1644.	7.8	40
64	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
65	Tens of Gigabits Wireless Communications Over E-Band LoS MIMO Channels With Uniform Linear Antenna Arrays. IEEE Transactions on Wireless Communications, 2014, 13, 3791-3805.	9.2	39
66	Accumulate Then Transmit: Multiuser Scheduling in Full-Duplex Wireless-Powered IoT Systems. IEEE Internet of Things Journal, 2018, 5, 2753-2767.	8.7	39
67	Distributed Network Coding for Wireless Sensor Networks Based on Rateless LT Codes. IEEE Wireless Communications Letters, 2012, 1, 561-564.	5.0	38
68	CrowdR-FBC: A Distributed Fog-Blockchains for Mobile Crowdsourcing Reputation Management. IEEE Internet of Things Journal, 2020, 7, 8722-8735.	8.7	38
69	User Association With Unequal User Priorities in Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7374-7388.	6.3	37
70	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
71	Reconfigurable Intelligent Surface (RIS)-Enhanced Two-Way OFDM Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 16270-16275.	6.3	36
72	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

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73	Autonomous Area Exploration and Mapping in Underground Mine Environments by Unmanned Aerial Vehicles. Robotica, 2020, 38, 442-456.	1.9	34
74	Millimeter Wave Communications With Symmetric Uniform Circular Antenna Arrays. IEEE Communications Letters, 2014, 18, 1307-1310.	4.1	33
75	Radio Environment Map-Aided Doppler Shift Estimation in LTE Railway. IEEE Transactions on Vehicular Technology, 2017, 66, 4462-4467.	6.3	33
76	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
77	Communication-and-Computing Latency Minimization for UAV-Enabled Virtual Reality Delivery Systems. IEEE Transactions on Communications, 2021, 69, 1723-1735.	7.8	33
78	Analytical Model for Outdoor Millimeter Wave Channels Using Geometry-Based Stochastic Approach. IEEE Transactions on Vehicular Technology, 2017, 66, 912-926.	6.3	32
79	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
80	Distributed turbo coding with hybrid relaying protocols. , 2008, , .		30
81	Deep Residual Learning-Assisted Channel Estimation in Ambient Backscatter Communications. IEEE Wireless Communications Letters, 2021, 10, 339-343.	5.0	30
82	Non-Uniform Linear Antenna Array Design and Optimization for Millimeter-Wave Communications. IEEE Transactions on Wireless Communications, 2016, 15, 7343-7356.	9.2	29
83	Offloading Optimization for Low-Latency Secure Mobile Edge Computing Systems. IEEE Wireless Communications Letters, 2020, 9, 480-484.	5.0	29
84	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
85	An adaptive transmission protocol for wireless-powered cooperative communications. , 2015, , .		27
86	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
87	Antenna selection for MIMO-NOMA networks. , 2017, , .		26
88	Uplink Non-Orthogonal Multiple Access With Finite-Alphabet Inputs. IEEE Transactions on Wireless Communications, 2018, 17, 5743-5758.	9.2	26
89	Over-the-Air Computation Systems: Optimal Design With Sum-Power Constraint. IEEE Wireless Communications Letters, 2020, 9, 1524-1528.	5.0	26
90	Wireless Networked Control Systems With Coding-Free Data Transmission for Industrial IoT. IEEE Internet of Things Journal, 2020, 7, 1788-1801.	8.7	26

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91	Performance Analysis of Terahertz Unmanned Aerial Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 16330-16335.	6.3	26
92	Transceiver Design for Multi-User Multi-Antenna Two-Way Relay Cellular Systems. IEEE Transactions on Communications, 2012, 60, 2893-2903.	7.8	25
93	Optimal Downlinkâ€"Uplink Scheduling of Wireless Networked Control for Industrial IoT. IEEE Internet of Things Journal, 2020, 7, 1756-1772.	8.7	25
94	Minimizing Age of Information via Hybrid NOMA/OMA. , 2020, , .		25
95	Computation Offloading for IoT in C-RAN: Optimization and Deep Learning. IEEE Transactions on Communications, 2020, 68, 4565-4579.	7.8	25
96	Nonorthogonal HARQ for URLLC: Design and Analysis. IEEE Internet of Things Journal, 2021, 8, 17596-17610.	8.7	25
97	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
98	Wireless-powered cooperative communications via a hybrid relay. , 2014, , .		24
99	Traffic Modeling and Optimization in Public and Private Wireless Access Networks for Smart Grids. IEEE Transactions on Smart Grid, 2014, 5, 1949-1960.	9.0	24
100	Short-Packet Two-Way Amplify-and-Forward Relaying. IEEE Signal Processing Letters, 2018, 25, 263-267.	3.6	23
101	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
102	Constrained Reinforcement Learning for Resource Allocation in Network Slicing. IEEE Communications Letters, 2021, 25, 1554-1558.	4.1	23
103	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
104	Multiple operator and multiple femtocell networks: Distributed stable matching. , 2012, , .		22
105	A stackelberg game-based energy trading scheme for power beacon-assisted wireless-powered communication. , 2015, , .		22
106	A Unified Precoding Scheme for Generalized Spatial Modulation. IEEE Transactions on Communications, 2018, 66, 2502-2514.	7.8	22
107	Remote State Estimation With Smart Sensors Over Markov Fading Channels. IEEE Transactions on Automatic Control, 2022, 67, 2743-2757.	5.7	22
108	Distributed Power Control in Interference Channels With QoS Constraints and RF Energy Harvesting: A Game-Theoretic Approach. IEEE Transactions on Vehicular Technology, 2016, 65, 10063-10069.	6.3	21

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109	Segmentation-Discarding Ordered-Statistic Decoding for Linear Block Codes. , 2019, , .		21
110	A Revisit to Ordered Statistics Decoding: Distance Distribution and Decoding Rules. IEEE Transactions on Information Theory, 2021, 67, 4288-4337.	2.4	21
111	Trellis Coded 16â€QAM for Fading Channels. European Transactions on Telecommunications, 1993, 4, 335-341.	1.2	20
112	Traffic modeling for Machine-to-Machine (M2M) last mile wireless access networks. , 2014, , .		20
113	Secrecy outage probability and jamming coverage of UAV-enabled friendly jammer. , 2017, , .		20
114	Novel Design for Short Analog Fountain Codes. IEEE Communications Letters, 2019, 23, 1306-1309.	4.1	20
115	Minimizing Age of Information for Real-Time Monitoring in Resource-Constrained Industrial IoT Networks. , 2019, , .		20
116	Wireless Feedback Control With Variable Packet Length for Industrial IoT. IEEE Wireless Communications Letters, 2020, 9, 1586-1590.	5.0	20
117	Online Learning Enabled Task Offloading for Vehicular Edge Computing. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	20
118	Novel Soft Information Forwarding Protocols in Two-Way Relay Channels. IEEE Transactions on Vehicular Technology, 2013, 62, 2374-2381.	6.3	19
119	Deep Autoencoder Learning for Relay-Assisted Cooperative Communication Systems. IEEE Transactions on Communications, 2020, 68, 5471-5488.	7.8	19
120	Intelligent Communications for Tactile Internet in 6G: Requirements, Technologies, and Challenges. IEEE Communications Magazine, 2021, 59, 82-88.	6.1	19
121	Fast channel estimation for millimetre wave wireless systems using overlapped beam patterns. , 2015, , .		18
122	A contract-based incentive mechanism for energy harvesting-based Internet of Things. , 2017, , .		18
123	Xyreum: A High-Performance and Scalable Blockchain for IIoT Security and Privacy. , 2019, , .		18
124	Significant Low-Dimensional Spectral-Temporal Features for Seizure Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 668-677.	4.9	18
125	Distributed massive wireless access for cellular machine-to-machine communication. , 2014, , .		17
126	Joint Semi-Blind Channel Estimation and Synchronization in Two-Way Relay Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 3276-3293.	6.3	17

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127	Beam-On-Graph: Simultaneous Channel Estimation for mmWave MIMO Systems With Multiple Users. IEEE Transactions on Communications, 2018, 66, 2931-2946.	7.8	17
128	To Retransmit or Not: Real-Time Remote Estimation in Wireless Networked Control. , 2019, , .		17
129	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
130	Optimizing Information Freshness via Multiuser Scheduling With Adaptive NOMA/OMA. IEEE Transactions on Wireless Communications, 2022, 21, 1766-1778.	9.2	17
131	Binary Compressive Sensing Via Analog Fountain Coding. IEEE Transactions on Signal Processing, 2015, 63, 6540-6552.	5.3	16
132	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
133	Spectrum Intelligent Radio: Technology, Development, and Future Trends. IEEE Communications Magazine, 2020, 58, 12-18.	6.1	16
134	Spectrum Sharing in Multi-Tenant 5G Cellular Networks: Modeling and Planning. IEEE Access, 2019, 7, 1602-1616.	4.2	15
135	Design of Short Polar Codes for SCL Decoding. IEEE Transactions on Communications, 2020, 68, 6657-6668.	7.8	15
136	Adaptive analog fountain for wireless channels. , 2013, , .		14
137	Power Adaptive Network Coding for a Non-Orthogonal Multiple-Access Relay Channel. IEEE Transactions on Communications, 2014, 62, 872-887.	7.8	14
138	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
139	Piecewise-and-Forward Relaying in Wireless Relay Networks. IEEE Signal Processing Letters, 2011, 18, 323-326.	3.6	13
140	Incremental Accumulate-then-Forward Relaying in Wireless Energy Harvesting Cooperative Networks. , 2016, , .		13
141	Dynamic Reuse of Unlicensed Spectrum: An Inter-Working of LTE and WiFi. IEEE Wireless Communications, 2017, 24, 52-59.	9.0	13
142	Full-duplex cooperative cognitive radio networks with wireless energy harvesting. , 2017, , .		13
143	Probability-Based Ordered-Statistics Decoding for Short Block Codes. IEEE Communications Letters, 2021, 25, 1791-1795.	4.1	13
144	Design of Distributed Network-Channel Codes for Wireless Sensor Networks. , 2011, , .		12

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145	Multiple interpretations for multi-source multi-destination wireless relay network coded systems. , 2012, , .		12
146	Training Beam Sequence Optimization for Millimeter Wave MIMO Tracking Systems. , 2018, , .		12
147	Minimum-Latency FEC Design With Delayed Feedback: Mathematical Modeling and Efficient Algorithms. IEEE Transactions on Wireless Communications, 2020, 19, 7210-7223.	9.2	12
148	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
149	Over-the-Air Computation With Spatial-and-Temporal Correlated Signals. IEEE Wireless Communications Letters, 2021, 10, 1591-1595.	5.0	12
150	Graph Neural Network Aided MU-MIMO Detectors. IEEE Journal on Selected Areas in Communications, 2022, 40, 2540-2555.	14.0	12
151	Distributed Raptor Coding for Erasure Channels: Partially and Fully Coded Cooperation. IEEE Transactions on Communications, 2013, 61, 3576-3589.	7.8	11
152	RACE: A Rate Adaptive Channel Estimation Approach for Millimeter Wave MIMO Systems. , 2016, , .		11
153	Mobility handover optimization in millimeter wave heterogeneous networks. , 2017, , .		11
154	On the performance of massive grant-free NOMA. , 2017, , .		11
155	A Multi-Layer Grant-Free NOMA Scheme for Short Packet Transmissions. , 2018, , .		11
156	A Lightweight Security and Privacy-Enhancing Key Establishment for Internet of Things Applications. , 2018, , .		11
157	Dynamic HARQ with Guaranteed Delay. , 2020, , .		11
158	Over-the-Air Computation via Broadband Channels. IEEE Wireless Communications Letters, 2021, 10, 2150-2154.	5.0	11
159	Calibrated Bandit Learning for Decentralized Task Offloading in Ultra-Dense Networks. IEEE Transactions on Communications, 2022, 70, 2547-2560.	7.8	11
160	A game-theoretical model for wireless information and power transfer in relay interference channels. , 2014, , .		10
161	A Discrete Time-Switching Protocol for Wireless-Powered Communications with Energy Accumulation. , 2015, , .		10
162	Deployment Optimization of Uniform Linear Antenna Arrays for a Two-Path Millimeter Wave Communication System. IEEE Communications Letters, 2015, 19, 669-672.	4.1	10

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163	A Small-Cell Caching System in Mobile Cellular Networks With LoS and NLoS Channels. IEEE Access, 2017, 5, 1296-1305.	4.2	10
164	Recent Advances in Machine Learning-based Anomaly Detection for Industrial Control Networks. , 2019, , .		10
165	Distributed Soft Coding with a Soft Input Soft Output (SISO) Relay Encoder in Parallel Relay Channels. IEEE Transactions on Communications, 2013, 61, 3660-3672.	7.8	9
166	Distributed Multiple-Access for Smart Grid Home Area Networks: Compressed Sensing With Multiple Antennas. IEEE Transactions on Smart Grid, 2014, 5, 2938-2946.	9.0	9
167	Multiple access analog fountain codes. , 2014, , .		9
168	Distributed resource allocation for power beacon-assisted wireless-powered communications. , 2015, , .		9
169	Learning automaton based distributed caching for mobile social networks. , 2016, , .		9
170	Noncoherent and Non-orthogonal Massive SIMO for Critical Industrial IoT Communications. , 2019, , .		9
171	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
172	Beam Misalignment Aware Hybrid Transceiver Design in mmWave MIMO Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 10306-10310.	6.3	9
173	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
174	Satisfaction-Maximized Secure Computation Offloading in Multi-Eavesdropper MEC Networks. IEEE Transactions on Wireless Communications, 2022, 21, 4227-4241.	9.2	9
175	Scalable Double Blockchain Architecture for IoT Information and Reputation Management. , 2021, , .		9
176	Game Theoretic Physical Layer Authentication for Spoofing Detection in UAV Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 6750-6755.	6.3	9
177	Caching and UAV Friendly Jamming for Secure Communications With Active Eavesdropping Attacks. IEEE Transactions on Vehicular Technology, 2022, 71, 11251-11256.	6.3	9
178	High-performance beamformer and low-complexity detector for DF-based full-duplex mimo relaying networks. China Communications, 2017, 14, 173-182.	3.2	8
179	A Probe-then-Refine Beam Tracking Algorithm for Millimeter Wave MISO Systems. , 2018, , .		8
180	Beam Allocation for Millimeter-Wave MIMO Tracking Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 1595-1611.	6.3	8

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181	Stochastic Analysis of Double Blockchain Architecture in IoT Communication Networks. IEEE Internet of Things Journal, 2022, 9, 9700-9711.	8.7	8
182	Distributed Network Channel Coding for Multiple Access Relay Interference Channels. , 2010, , .		7
183	Distributed data aggregation in machine-to-machine communication networks based on coalitional game. , 2014, , .		7
184	Secure transmission for relay-eavesdropper channels using polar coding. , 2014, , .		7
185	Analog fountain codes with unequal error protection property. , 2014, , .		7
186	Sparse event detection in wireless sensor networks using analog fountain codes. , 2014, , .		7
187	Millimeter wave wireless transmissions at E-band channels with uniform linear antenna arrays: Beyond the Rayleigh distance. , 2014, , .		7
188	Distributed Fountain Codes With Adaptive Unequal Error Protection in Wireless Relay Networks. IEEE Transactions on Wireless Communications, 2014, 13, 4220-4231.	9.2	7
189	Distributed Irregular Codes Relying on Decode-and-Forward Relays as Code Components. IEEE Transactions on Vehicular Technology, 2015, 64, 4579-4588.	6.3	7
190	Ultra-Reliable and Low-Latency Communications: Prediction and Communication Co-Design. , 2019, , .		7
191	Joint Beamforming and User Association Scheme for Full-Dimension Massive MIMO Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 7733-7746.	6.3	7
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193	Two-Dimensional Task Offloading for Mobile Networks: An Imitation Learning Framework. IEEE/ACM Transactions on Networking, 2021, 29, 2494-2507.	3.8	7
194	Recursive Design of Precoded Polar Codes for SCL Decoding. IEEE Transactions on Communications, 2021, 69, 7945-7959.	7.8	7
195	A Bayesian Receiver With Improved Complexity-Reliability Trade-Off in Massive MIMO Systems. IEEE Transactions on Communications, 2021, 69, 6251-6266.	7.8	7
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