Marco Di Renzo

List of Publications by Year
in descending order

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165 papers	19,708 citations	26567 56 h-index	11581 135 g-index
168 all docs	168 docs citations	168 times ranked	6565 citing authors

#	Article	IF	Citations
1	Wireless Communications Through Reconfigurable Intelligent Surfaces. IEEE Access, 2019, 7, 116753-116773.	2.6	1,743
2	Smart Radio Environments Empowered by Reconfigurable Intelligent Surfaces: How It Works, State of Research, and The Road Ahead. IEEE Journal on Selected Areas in Communications, 2020, 38, 2450-2525.	9.7	1,365
3	Spatial Modulation for Generalized MIMO: Challenges, Opportunities, and Implementation. Proceedings of the IEEE, 2014, 102, 56-103.	16.4	1,206
4	Smart radio environments empowered by reconfigurable AI meta-surfaces: an idea whose time has come. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	1,020
5	Safeguarding 5G wireless communication networks using physical layer security. IEEE Communications Magazine, 2015, 53, 20-27.	4.9	838
6	Holographic MIMO Surfaces for 6G Wireless Networks: Opportunities, Challenges, and Trends. IEEE Wireless Communications, 2020, 27, 118-125.	6.6	699
7	Wireless Communications With Reconfigurable Intelligent Surface: Path Loss Modeling and Experimental Measurement. IEEE Transactions on Wireless Communications, 2021, 20, 421-439.	6.1	685
8	Spatial modulation for multiple-antenna wireless systems: a survey. , 2011, 49, 182-191.		675
9	Index Modulation Techniques for Next-Generation Wireless Networks. IEEE Access, 2017, 5, 16693-16746.	2.6	622
10	Reconfigurable Intelligent Surfaces: Principles and Opportunities. IEEE Communications Surveys and Tutorials, 2021, 23, 1546-1577.	24.8	520
11	Design Guidelines for Spatial Modulation. IEEE Communications Surveys and Tutorials, 2015, 17, 6-26.	24.8	516
12	Bit Error Probability of SM-MIMO Over Generalized Fading Channels. IEEE Transactions on Vehicular Technology, 2012, 61, 1124-1144.	3.9	479
13	Reconfigurable Intelligent Surfaces vs. Relaying: Differences, Similarities, and Performance Comparison. IEEE Open Journal of the Communications Society, 2020, 1, 798-807.	4.4	445
14	Reconfigurable Intelligent Surface-Based Wireless Communications: Antenna Design, Prototyping, and Experimental Results. IEEE Access, 2020, 8, 45913-45923.	2.6	432
15	Wireless Networks Design in the Era of Deep Learning: Model-Based, AI-Based, or Both?. IEEE Transactions on Communications, 2019, 67, 7331-7376.	4.9	383
16	Reconfigurable Intelligent Surface Assisted UAV Communication: Joint Trajectory Design and Passive Beamforming. IEEE Wireless Communications Letters, 2020, 9, 716-720.	3.2	378
17	Reconfigurable Intelligent Surfaces for 6G Systems: Principles, Applications, and Research Directions. IEEE Communications Magazine, 2021, 59, 14-20.	4.9	354
18	Stochastic Geometry Modeling and Analysis of Multi-Tier Millimeter Wave Cellular Networks. IEEE Transactions on Wireless Communications, 2015, 14, 5038-5057.	6.1	303

#	Article	IF	Citations
19	A Survey on Spatial Modulation in Emerging Wireless Systems: Research Progresses and Applications. IEEE Journal on Selected Areas in Communications, 2019, 37, 1949-1972.	9.7	291
20	Practical Implementation of Spatial Modulation. IEEE Transactions on Vehicular Technology, 2013, 62, 4511-4523.	3.9	229
21	Average Rate of Downlink Heterogeneous Cellular Networks over Generalized Fading Channels: A Stochastic Geometry Approach. IEEE Transactions on Communications, 2013, 61, 3050-3071.	4.9	212
22	Robust Beamforming Design for Intelligent Reflecting Surface Aided MISO Communication Systems. IEEE Wireless Communications Letters, 2020, 9, 1658-1662.	3.2	185
23	Secrecy Performance Analysis of RIS-Aided Wireless Communication Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 12296-12300.	3.9	184
24	On the Performance of RIS-Assisted Dual-Hop UAV Communication Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 10385-10390.	3.9	180
25	Deep Denoising Neural Network Assisted Compressive Channel Estimation for mmWave Intelligent Reflecting Surfaces. IEEE Transactions on Vehicular Technology, 2020, 69, 9223-9228.	3.9	177
26	On Transmit Diversity for Spatial Modulation MIMO: Impact of Spatial Constellation Diagram and Shaping Filters at the Transmitter. IEEE Transactions on Vehicular Technology, 2013, 62, 2507-2531.	3.9	174
27	Artificial Intelligence Enabled Wireless Networking for 5G and Beyond: Recent Advances and Future Challenges. IEEE Wireless Communications, 2020, 27, 16-23.	6.6	143
28	Robust Secure UAV Communications With the Aid of Reconfigurable Intelligent Surfaces. IEEE Transactions on Wireless Communications, 2021, 20, 6402-6417.	6.1	126
29	Channel Capacity Over Generalized Fading Channels: A Novel MGF-Based Approach for Performance Analysis and Design of Wireless Communication Systems. IEEE Transactions on Vehicular Technology, 2010, 59, 127-149.	3.9	123
30	Terahertz Massive MIMO With Holographic Reconfigurable Intelligent Surfaces. IEEE Transactions on Communications, 2021, 69, 4732-4750.	4.9	122
31	Model-Aided Wireless Artificial Intelligence: Embedding Expert Knowledge in Deep Neural Networks for Wireless System Optimization. IEEE Vehicular Technology Magazine, 2019, 14, 60-69.	2.8	120
32	Spectral and Energy Efficiency of IRS-Assisted MISO Communication With Hardware Impairments. IEEE Wireless Communications Letters, 2020, 9, 1366-1369.	3.2	119
33	A Unified Framework for Performance Analysis of CSI-Assisted Cooperative Communications over Fading Channels. IEEE Transactions on Communications, 2009, 57, 2551-2557.	4.9	109
34	Energy Evaluation of Spatial Modulation at a Multi-Antenna Base Station. , 2013, , .		109
35	Distributed Spatial Modulation: A Cooperative Diversity Protocol for Half-Duplex Relay-Aided Wireless Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 2947-2964.	3.9	107
36	Overhead-Aware Design of Reconfigurable Intelligent Surfaces in Smart Radio Environments. IEEE Transactions on Wireless Communications, 2021, 20, 126-141.	6.1	103

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37	Reconfigurable Intelligent Surfaces With Reflection Pattern Modulation: Beamforming Design and Performance Analysis. IEEE Transactions on Wireless Communications, 2021, 20, 741-754.	6.1	102
38	Reconfigurable Intelligent Surface-Assisted Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2021, 20, 3137-3151.	6.1	99
39	Performance Analysis of UAV Enabled Disaster Recovery Networks: A Stochastic Geometric Framework Based on Cluster Processes. IEEE Access, 2018, 6, 26215-26230.	2.6	97
40	Achievable Rate Optimization for MIMO Systems With Reconfigurable Intelligent Surfaces. IEEE Transactions on Wireless Communications, 2021, 20, 3865-3882.	6.1	96
41	The Intensity Matching Approach: A Tractable Stochastic Geometry Approximation to System-Level Analysis of Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 5963-5983.	6.1	94
42	Secrecy Outage Analysis for Downlink Transmissions in the Presence of Randomly Located Eavesdroppers. IEEE Transactions on Information Forensics and Security, 2017, 12, 1195-1206.	4.5	88
43	End-to-End Mutual Coupling Aware Communication Model for Reconfigurable Intelligent Surfaces: An Electromagnetic-Compliant Approach Based on Mutual Impedances. IEEE Wireless Communications Letters, 2021, 10, 938-942.	3.2	82
44	On the Path-Loss of Reconfigurable Intelligent Surfaces: An Approach Based on Greenâ€™s Theorem Applied to Vector Fields. IEEE Transactions on Communications, 2021, 69, 5573-5592.	4.9	82
45	A Path to Smart Radio Environments: An Industrial Viewpoint on Reconfigurable Intelligent Surfaces. IEEE Wireless Communications, 2022, 29, 202-208.	6.6	81
46	Analytical Modeling of the Path-Loss for Reconfigurable Intelligent Surfaces â€“ Anomalous Mirror or Scatterer ?. , 2020, , .		77
47	Stochastic Geometry Modeling of Cellular Networks. , 2015, , .		76
48	Stochastic Geometry Modeling of Coverage and Rate of Cellular Networks Using the Gil-Pelaez Inversion Theorem. IEEE Communications Letters, 2014, 18, 1575-1578.	2.5	74
49	Wireless Environment as a Service Enabled by Reconfigurable Intelligent Surfaces: The RISE-6G Perspective. , 2021, , .		73
50	System-Level Analysis and Optimization of Cellular Networks With Simultaneous Wireless Information and Power Transfer: Stochastic Geometry Modeling. IEEE Transactions on Vehicular Technology, 2017, 66, 2251-2275.	3.9	71
51	System-Level Modeling and Optimization of the Energy Efficiency in Cellular Networksâ€”A Stochastic Geometry Framework. IEEE Transactions on Wireless Communications, 2018, 17, 2539-2556.	6.1	71
52	Reconfigurable Intelligent Surfaces-Assisted Communications With Discrete Phase Shifts: How Many Quantization Levels Are Required to Achieve Full Diversity?. IEEE Wireless Communications Letters, 2021, 10, 358-362.	3.2	71
53	Intelligent Omni-Surfaces: Ubiquitous Wireless Transmission by Reflective-Refractive Metasurfaces. IEEE Transactions on Wireless Communications, 2022, 21, 219-233.	6.1	71
54	Stochastic Geometry Modeling and System-Level Analysis of Uplink Heterogeneous Cellular Networks With Multi-Antenna Base Stations. IEEE Transactions on Communications, 2016, 64, 2453-2476.	4.9	69

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55	Reflection probability in wireless networks with metasurface-coated environmental objects: an approach based on random spatial processes. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	69
56	Reconfigurable Intelligent Surface-Assisted Cell-Free Massive MIMO Systems Over Spatially-Correlated Channels. IEEE Transactions on Wireless Communications, 2022, 21, 5106-5128.	6.1	67
57	Intelligent Omni-Surfaces for Full-Dimensional Wireless Communications: Principles, Technology, and Implementation. IEEE Communications Magazine, 2022, 60, 39-45.	4.9	67
58	Beamforming Through Reconfigurable Intelligent Surfaces in Single-User MIMO Systems: SNR Distribution and Scaling Laws in the Presence of Channel Fading and Phase Noise. IEEE Wireless Communications Letters, 2021, 10, 77-81.	3.2	66
59	Channel Capacity Optimization Using Reconfigurable Intelligent Surfaces in Indoor mmWave Environments. , 2020, , .		63
60	Reconfigurable Intelligent Surfaces Aided mmWave NOMA: Joint Power Allocation, Phase Shifts, and Hybrid Beamforming Optimization. IEEE Transactions on Wireless Communications, 2021, 20, 8393-8409.	6.1	62
61	Analysis and Optimization for RIS-Aided Multi-Pair Communications Relying on Statistical CSI. IEEE Transactions on Vehicular Technology, 2021, 70, 3897-3901.	3.9	58
62	Stochastic Geometry Modeling and Performance Evaluation of MIMO Cellular Networks Using the Equivalent-in-Distribution (EiD)-Based Approach. IEEE Transactions on Communications, 2015, 63, 977-996.	4.9	57
63	Intelligent Reflecting Surfaces: Sum-Rate Optimization Based on Statistical Position Information. IEEE Transactions on Communications, 2021, 69, 7121-7136.	4.9	57
64	Model-Driven Deep Learning Based Channel Estimation and Feedback for Millimeter-Wave Massive Hybrid MIMO Systems. IEEE Journal on Selected Areas in Communications, 2021, 39, 2388-2406.	9.7	57
65	Reconfigurable Intelligent Surface-Assisted Aerial-Terrestrial Communications via Multi-Task Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 3035-3050.	9.7	57
66	New Trends in Stochastic Geometry for Wireless Networks: A Tutorial and Survey. Proceedings of the IEEE, 2021, 109, 1200-1252.	16.4	54
67	Massive MIMO-Enabled Full-Duplex Cellular Networks. IEEE Transactions on Communications, 2017, 65, 4734-4750.	4.9	53
68	Reconfigurable intelligent surfaces for smart wireless environments: channel estimation, system design and applications in 6G networks. Science China Information Sciences, 2021, 64, 1.	2.7	52
69	Wireless 2.0: Toward an Intelligent Radio Environment Empowered by Reconfigurable Meta-Surfaces and Artificial Intelligence. IEEE Vehicular Technology Magazine, 2020, 15, 74-82.	2.8	50
70	Single-RF MIMO: From Spatial Modulation to Metasurface-Based Modulation. IEEE Wireless Communications, 2021, 28, 88-95.	6.6	50
71	On Diversity Order and Coding Gain of Multisource Multirelay Cooperative Wireless Networks With Binary Network Coding. IEEE Transactions on Vehicular Technology, 2013, 62, 1138-1157.	3.9	49
72	QoS-Driven Spectrum Sharing for Reconfigurable Intelligent Surfaces (RISs) Aided Vehicular Networks. IEEE Transactions on Wireless Communications, 2021, 20, 5969-5985.	6.1	49

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73	Performance Analysis of RIS-Aided Systems With Practical Phase Shift and Amplitude Response. IEEE Transactions on Vehicular Technology, 2021, 70, 4501-4511.	3.9	48
74	A Prototype of Reconfigurable Intelligent Surface with Continuous Control of the Reflection Phase. IEEE Wireless Communications, 2022, 29, 70-77.	6.6	48
75	Modeling and Analysis of Wireless Power Transfer in Heterogeneous Cellular Networks. IEEE Transactions on Communications, 2016, 64, 5290-5303.	4.9	46
76	Trajectory Design for UAV-Based Internet of Things Data Collection: A Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2022, 9, 3899-3912.	5.5	46
77	Stochastic Learning-Based Robust Beamforming Design for RIS-Aided Millimeter-Wave Systems in the Presence of Random Blockages. IEEE Transactions on Vehicular Technology, 2021, 70, 1057-1061.	3.9	45
78	LiFi through Reconfigurable Intelligent Surfaces: A New Frontier for 6G?. IEEE Vehicular Technology Magazine, 2022, 17, 37-46.	2.8	45
79	Intelligent Spectrum Learning for Wireless Networks With Reconfigurable Intelligent Surfaces. IEEE Transactions on Vehicular Technology, 2021, 70, 3920-3925.	3.9	43
80	Intelligent Reflecting Surface Aided Network: Power Control for Physical-Layer Broadcasting. , 2020, , .		40
81	Error Performance and Diversity Analysis of Multi-Source Multi-Relay Wireless Networks with Binary Network Coding and Cooperative MRC. IEEE Transactions on Wireless Communications, 2013, 12, 2883-2903.	6.1	37
82	Ergodic Secrecy Rate of RIS-Assisted Communication Systems in the Presence of Discrete Phase Shifts and Multiple Eavesdroppers. IEEE Wireless Communications Letters, 2021, 10, 629-633.	3.2	35
83	On the Optimal Number of Reflecting Elements for Reconfigurable Intelligent Surfaces. IEEE Wireless Communications Letters, 2021, 10, 464-468.	3.2	34
84	Mutual Coupling and Unit Cell Aware Optimization for Reconfigurable Intelligent Surfaces. IEEE Wireless Communications Letters, 2021, 10, 1183-1187.	3.2	34
85	On the Diversity of Network-Coded Cooperation With Decode-and-Forward Relay Selection. IEEE Transactions on Wireless Communications, 2015, 14, 4369-4378.	6.1	33
86	Stochastic Geometry Modeling and System-Level Analysis & Optimization of Relay-Aided Downlink Cellular Networks. IEEE Transactions on Communications, 2015, 63, 4063-4085.	4.9	33
87	Analytical Modeling of Interference Aware Power Control for the Uplink of Heterogeneous Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 6742-6757.	6.1	33
88	On the Performance of RIS-Assisted Dual-Hop Mixed RF-UWOC Systems. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 340-353.	4.9	33
89	Reconfigurable Intelligent Surface-Aided Multi-User Networks: Interplay Between NOMA and RIS. IEEE Wireless Communications, 2022, 29, 169-176.	6.6	33
90	Beyond Max-SNR: Joint Encoding for Reconfigurable Intelligent Surfaces. , 2020, , .		32

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91	MIMO Interference Channels Assisted by Reconfigurable Intelligent Surfaces: Mutual Coupling Aware Sum-Rate Optimization Based on a Mutual Impedance Channel Model. IEEE Wireless Communications Letters, 2021, 10, 2624-2628.	3.2	32
92	AI-Assisted MAC for Reconfigurable Intelligent-Surface-Aided Wireless Networks: Challenges and Opportunities. IEEE Communications Magazine, 2021, 59, 21-27.	4.9	32
93	Reconfigurable Intelligent Surface-Assisted Ambient Backscatter Communications â€“ Experimental Assessment. , 2021, , .		32
94	Reconfigurable Intelligent Surfaces With Outdated Channel State Information: Centralized vs. Distributed Deployments. IEEE Transactions on Communications, 2022, 70, 2742-2756.	4.9	32
95	Performance Analysis of Distributed Single Carrier Systems With Distributed Cyclic Delay Diversity. IEEE Transactions on Communications, 2017, 65, 5514-5528.	4.9	29
96	On Maximizing the Sum Secret Key Rate for Reconfigurable Intelligent Surface-Assisted Multiuser Systems. IEEE Transactions on Information Forensics and Security, 2022, 17, 211-225.	4.5	28
97	Holographic Integrated Sensing and Communication. IEEE Journal on Selected Areas in Communications, 2022, 40, 2114-2130.	9.7	28
98	Compressive Sensing-Based Joint Activity and Data Detection for Grant-Free Massive IoT Access. IEEE Transactions on Wireless Communications, 2022, 21, 1851-1869.	6.1	27
99	Learning-Based Prediction, Rendering and Transmission for Interactive Virtual Reality in RIS-Assisted Terahertz Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 710-724.	9.7	26
100	On the Achievable Diversity of Repetition-Based and Relay Selection Network-Coded Cooperation. IEEE Transactions on Communications, 2014, 62, 2296-2313.	4.9	25
101	Inhomogeneous Double Thinningâ€"Modeling and Analysis of Cellular Networks by Using Inhomogeneous Poisson Point Processes. IEEE Transactions on Wireless Communications, 2018, 17, 5162-5182.	6.1	24
102	Reconfigurable Intelligent Surface-Aided Quadrature Reflection Modulation for Simultaneous Passive Beamforming and Information Transfer. IEEE Transactions on Wireless Communications, 2022, 21, 1469-1481.	6.1	24
103	Machine Learning-Enabled Joint Antenna Selection and Precoding Design: From Offline Complexity to Online Performance. IEEE Transactions on Wireless Communications, 2021, 20, 3710-3722.	6.1	24
104	Robust Probabilistic-Constrained Optimization for IRS-Aided MISO Communication Systems. IEEE Wireless Communications Letters, 2021, 10, 1-5.	3.2	22
105	Integrated Sensing and Communication Waveform Design With Sparse Vector Coding: Low Sidelobes and Ultra Reliability. IEEE Transactions on Vehicular Technology, 2022, 71, 4489-4494.	3.9	22
106	Performance Evaluation and Diversity Analysis of RIS-Assisted Communications Over Generalized Fading Channels in the Presence of Phase Noise. IEEE Open Journal of the Communications Society, 2022, 3, 593-607.	4.4	22
107	Enhanced-Reliability Cyclic Generalized Spatial-and-Temporal Modulation. IEEE Communications Letters, 2016, 20, 2374-2377.	2.5	21
108	On the Performance of Reconfigurable Intelligent Surface-Aided Cell-Free Massive MIMO Uplink. , 2020, , .		20

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109	A Tractable Closed-Form Expression of the Coverage Probability in Poisson Cellular Networks. IEEE Wireless Communications Letters, 2019, 8, 249-252.	3.2	19
110	On the Energy Efficiency of Heterogeneous Cellular Networks With Renewable Energy Sourcesâ€"A Stochastic Geometry Framework. IEEE Transactions on Wireless Communications, 2020, 19, 6752-6770.	6.1	19
111	Uplink Achievable Rate Maximization for Reconfigurable Intelligent Surface Aided Millimeter Wave Systems With Resolution-Adaptive ADCs. IEEE Wireless Communications Letters, 2021, 10, 1608-1612.	3.2	19
112	Wireless Fingerprinting Localization in Smart Environments Using Reconfigurable Intelligent Surfaces. IEEE Access, 2021, 9, 135526-135541.	2.6	19
113	Outage Performance Analysis of RIS-Assisted UAV Wireless Systems Under Disorientation and Misalignment. IEEE Transactions on Vehicular Technology, 2022, 71, 10712-10728.	3.9	18
114	A Decomposition Framework for Optimal Edge-Cache Leasing. IEEE Journal on Selected Areas in Communications, 2018, 36, 1345-1359.	9.7	17
115	Optimization of RIS-Aided MIMO Systems Via the Cutoff Rate. IEEE Wireless Communications Letters, 2021, 10, 1692-1696.	3.2	17
116	Wireless physical-layer security: The challenges ahead. , 2009, , .		16
117	Spatial modulation based on reconfigurable antennas â€" A new air interface for the IoT. , 2017, , .		16
118	Receiver Design in Molecular Communications: An Approach Based on Artificial Neural Networks. , 2018, , .		16
119	Molecular Communications: Model-Based and Data-Driven Receiver Design and Optimization. IEEE Access, 2019, 7, 53555-53565.	2.6	16
120	Spectral-Energy Efficiency Pareto Front in Cellular Networks: A Stochastic Geometry Framework. IEEE Wireless Communications Letters, 2019, 8, 424-427.	3.2	16
121	Cooperative Multi-RIS Communications for Wideband mmWave MISO-OFDM Systems. IEEE Wireless Communications Letters, 2021, 10, 2360-2364.	3.2	16
122	Cascaded Composite Turbulence and Misalignment: Statistical Characterization and Applications to Reconfigurable Intelligent Surface-Empowered Wireless Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 3821-3836.	3.9	16
123	Adaptive Coding and Channel Shaping Through Reconfigurable Intelligent Surfaces: An Information-Theoretic Analysis. IEEE Transactions on Communications, 2021, 69, 7320-7334.	4.9	15
124	Learning to Estimate RIS-Aided mmWave Channels. IEEE Wireless Communications Letters, 2022, 11, 841-845.	3.2	15
125	MARISA: A Self-configuring Metasurfaces Absorption and Reflection Solution Towards 6G. , 2022, , .		15
126	On the cumulative distribution function of quadratic-form receivers over generalized fading channels with tone interference. IEEE Transactions on Communications, 2009, 57, 2122-2137.	4.9	14

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127	Dual-Hop Spatial Modulation With a Relay Transmitting its Own Information. IEEE Transactions on Wireless Communications, 2020, 19, 4449-4463.	6.1	14
128	Reconfigurable Intelligent Surface Aided Power Control for Physical-Layer Broadcasting. IEEE Transactions on Communications, 2021, 69, 7821-7836.	4.9	14
129	A Generalized Transmit and Receive Diversity Condition for Feedback-Assisted MIMO Systems: Theory and Applications in Full-Duplex Spatial Modulation. IEEE Transactions on Signal Processing, 2017, 65, 6505-6519.	3.2	13
130	Distributed Learning for Wireless Communications: Methods, Applications and Challenges. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 326-342.	7.3	13
131	On the Feasibility of Full-Duplex Relaying in Multiple-Antenna Cellular Networks. IEEE Transactions on Communications, 2017, 65, 2234-2249.	4.9	12
132	Massive Access in Media Modulation Based Massive Machine-Type Communications. IEEE Transactions on Wireless Communications, 2022, 21, 339-356.	6.1	12
133	STORNS: Stochastic Radio Access Network Slicing. , 2019, , .		10
134	Distributed Cyclic Delay Diversity Systems With Spatially Distributed Interferers. IEEE Transactions on Wireless Communications, 2019, 18, 2066-2079.	6.1	10
135	On Simultaneous Wireless Information and Power Transfer for Receive Spatial Modulation. IEEE Access, 2017, 5, 23204-23211.	2.6	9
136	Secrecy Analysis of Distributed CDD-Based Cooperative Systems With Deliberate Interference. IEEE Transactions on Wireless Communications, 2018, 17, 7865-7878.	6.1	9
137	Relay Selection in Network-Coded Cooperative MIMO Systems. IEEE Transactions on Communications, 2019, 67, 5346-5361.	4.9	9
138	K-Means Clustering-Aided Non-Coherent Detection for Molecular Communications. IEEE Transactions on Communications, 2021, 69, 5456-5470.	4.9	9
139	Energy Efficiency Optimization of Reconfigurable Intelligent Surfaces With Electromagnetic Field Exposure Constraints. IEEE Signal Processing Letters, 2022, 29, 1447-1451.	2.1	9
140	SDN-Enabled MIMO Heterogeneous Cooperative Networks With Flexible Cell Association. IEEE Transactions on Wireless Communications, 2019, 18, 2037-2050.	6.1	8
141	Polarization-Based Reconfigurable Tags for Robust Ambient Backscatter Communications. IEEE Open Journal of the Communications Society, 2020, 1, 1140-1152.	4.4	8
142	Battery Recharging Time Models for Reconfigurable Intelligent Surfaces-Assisted Wireless Power Transfer Systems. IEEE Transactions on Green Communications and Networking, 2022, 6, 1173-1185.	3.5	8
143	Controlling Smart Propagation Environments: Long-Term Versus Short-Term Phase Shift Optimization. , 2022, , .		8
144	Spatial modulation based on reconfigurable antennas: performance evaluation by using the prototype of a reconfigurable antenna. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	7

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145	Single-RF Multi-User Communication Through Reconfigurable Intelligent Surfaces: An Information-Theoretic Analysis. , 2021, , .		7
146	Network-Coded Cooperative Systems With Generalized User-Relay Selection. IEEE Transactions on Wireless Communications, 2020, 19, 7251-7264.	6.1	6
147	Performance Analysis of a Twoâ€“Tile Reconfigurable Intelligent Surface Assisted 2 Ã— 2 MIMO System. IEEE Wireless Communications Letters, 2021, 10, 493-497.	3.2	6
148	On the meta distribution in spatially correlated non-Poisson cellular networks. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	5
149	On the Mean Interference-to-Signal Ratio in Spatially Correlated Cellular Networks. IEEE Wireless Communications Letters, 2020, 9, 358-362.	3.2	5
150	Reconfigurable Intelligent Surface-Based Quadrature Reflection Modulation. , 2021, , .		5
151	Data-driven and Model-driven Deep Learning Detection for RIS-aided Spatial Modulation. , 2021, , .		5
152	Fairness-Oriented Multiple RIS-Aided mmWave Transmission: Stochastic Optimization Methods. IEEE Transactions on Signal Processing, 2022, 70, 1402-1417.	3.2	5
153	System-Level Optimization in Poisson Cellular Networks: An Approach Based on the Generalized Benders Decomposition. IEEE Wireless Communications Letters, 2020, 9, 1773-1777.	3.2	4
154	Secrecy Performance Analysis of Distributed CDD Based Cooperative Systems with Jamming. , 2018, , .		3
155	On muting mobile terminals for uplink interference mitigation in HetNetsâ€”system-level analysis via stochastic geometry. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	3
156	Treating Interference as Noise in Cellular Networks: A Stochastic Geometry Approach. IEEE Transactions on Wireless Communications, 2020, 19, 1918-1932.	6.1	3
157	Coverage Analysis and Scaling Laws in Ultra-Dense Networks. IEEE Transactions on Communications, 2021, 69, 4158-4171.	4.9	3
158	A Novel RIS-Aided EMF Exposure Aware Approach using an Angularly Equalized Virtual Propagation Channel. , 2022, , .		3
159	Generalized User-Relay Selection in Network-Coded Cooperation Systems. , 2019, , .		2
160	Interference Analysis in Reconfigurable Intelligent Surface-Assisted Multiple-Input Multiple-Output Systems. , 2021, , .		2
161	On the Achievable Sum-rate of the RIS-aided MIMO Broadcast Channel : Invited Paper. , 2021, , .		1
162	A Novel RIS-Aided EMF-Aware Beamforming Using Directional Spreading, Truncation and Boosting. , 2022, , .		1

#	Article	IF	Citations
163	EiC Farewell and Welcome to New EiC. IEEE Communications Letters, 2019, 23, 1113-1114.	2.5	0
164	Outage Analysis of Distributed CDD Systems with Mixture Interference. , 2019, , .		0
165	Reviewers and Editors Appreciation 2021. IEEE Communications Letters, 2022, 26, 224-224.	2.5	0