Michele Zorzi

List of Publications by Year
in descending order

419 papers	19,601 citations	53794 45 h-index	16650 123 g-index
420 all docs	420 docs citations	420 times ranked	15011 citing authors

#	Article	IF	Citations
1	Resource Management for 5G NR Integrated Access and Backhaul: A Semi-Centralized Approach. IEEE Transactions on Wireless Communications, 2022, 21, 753-767.	9.2	23
2	6G for Bridging the Digital Divide: Wireless Connectivity to Remote Areas. IEEE Wireless Communications, 2022, 29, 160-168.	9.0	44
3	Hybrid Beamforming in 5G mmWave Networks: A Full-Stack Perspective. IEEE Transactions on Wireless Communications, 2022, 21, 1288-1303.	9.2	6
4	Remote Tracking of UAV Swarms via 3D Mobility Models and LoRaWAN Communications. IEEE Transactions on Wireless Communications, 2022, 21, 2953-2968.	9.2	6
5	A Geometry-Based Game Theoretical Model of Blind and Reactive Underwater Jamming. IEEE Transactions on Wireless Communications, 2022, 21, 3737-3751.	9.2	2
6	A Configurable Mathematical Model for Single-Gateway LoRaWAN Performance Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 5049-5063.	9.2	1
7	On the beamforming design of millimeter wave UAV networks: Power vs. capacity trade-offs. Computer Networks, 2022, 205, 108746.	5.1	3
8	Channel-Based Trust Model for Security in Underwater Acoustic Networks. IEEE Internet of Things Journal, 2022, 9, 20479-20491.	8.7	6
9	Underwater Acoustic Modem for a MOrphing Distributed Autonomous Underwater Vehicle (MODA). , 2022, , .		6
10	Game Theoretic Analysis of Age of Information for Slotted ALOHA Access With Capture. , 2022, , .		8
11	Artificial Intelligence in Vehicular Wireless Networks: A Case Study Using ns-3. , 2022, , .		2
12	UAV/HAP-Assisted Vehicular Edge Computing in 6G: Where and What to Offload?. , 2022, , .		12
13	Energy-Efficient Design for RIS-assisted UAV communications in beyond-5G Networks. , 2022, , .		3
14	An Open Framework to Model Diffraction by Dynamic Blockers in Millimeter Wave Simulations. , 2022, , .		0
15	End-to-End Simulation of 5G Networks Assisted by IRS and AF Relays. , 2022, , .		4
16	Machine Learning at the Edge: A Data-Driven Architecture With Applications to 5G Cellular Networks. IEEE Transactions on Mobile Computing, 2021, 20, 3367-3382.	5.8	48
17	ASUNA: A Topology Data Set for Underwater Network Emulation. IEEE Journal of Oceanic Engineering, 2021, 46, 307-318.	3.8	14
18	An Analytical Model for CBAP Allocations in IEEE 802.11ad. IEEE Transactions on Communications, 2021, 69, 649-663.	7.8	8

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19	Accuracy Versus Complexity for mmWave Ray-Tracing: A Full Stack Perspective. IEEE Transactions on Wireless Communications, 2021, 20, 7826-7841.	9.2	19
20	6G Enabling Technologies. Computer Communications and Networks, 2021, , 25-41.	0.8	5
21	Non-Terrestrial Networks in the 6G Era: Challenges and Opportunities. IEEE Network, 2021, 35, 244-251.	6.9	219
22	Uplink Beam Management for Millimeter Wave Cellular MIMO Systems with Hybrid Beamforming. , 2021, , .		8
23	Exploiting Scheduled Access Features of mmWave WLANs for Periodic Traffic Sources. , 2021, , .		3
24	A Full-Stack Open-Source Framework for Antenna and Beamforming Evaluation in mmWave 5G NR. , 2021, , .		2
25	Full-stack Hybrid Beamforming in mmWave 5G Networks. , 2021, , .		2
26	The Potential of Multilayered Hierarchical Nonterrestrial Networks for 6G: A Comparative Analysis Among Networking Architectures. IEEE Vehicular Technology Magazine, 2021, 16, 99-107.	3.4	25
27	Performance Analysis of LoRaWAN in Industrial Scenarios. IEEE Transactions on Industrial Informatics, 2021, 17, 6241-6250.	11.3	22
28	Distributed Reinforcement Learning for Flexible and Efficient UAV Swarm Control. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 955-969.	7.9	17
29	Full-stack comparison of channel models for networks above 100 GHz in an indoor scenario. , 2021, , .		3
30	An Open Framework for Analyzing and Modeling XR Network Traffic. IEEE Access, 2021, 9, 129782-129795.	4.2	10
31	A Secure Cross-Layer Communication Stack for Underwater Acoustic Networks. , 2021, , .		0
32	A Simulation Framework for Smart Adaptive Long and Short-range Acoustic Networks. , 2021, , .		7
33	Predictive Quality of Service: The Next Frontier for Fully Autonomous Systems. IEEE Network, 2021, 35, 104-110.	6.9	15
34	Trustworthiness in the GUWMANET Protocol for Underwater Acoustic Mobile Ad-Hoc Networks. , 2021, , .		1
35	Optimal Link Scheduling in Millimeter Wave Multi-Hop Networks With MU-MIMO Radios. IEEE Transactions on Wireless Communications, 2020, 19, 1839-1854.	9.2	10
36	Coverage Analysis of UAVs in Millimeter Wave Networks: A Stochastic Geometry Approach. , 2020, , .		20

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37	The challenges of Scheduling and Resource Allocation in IEEE 802.11ad/ay. , 2020, , .		3
38	Wireless Remote Control for Underwater Vehicles. Journal of Marine Science and Engineering, 2020, 8, 736.	2.6	20
39	Combining LoRaWAN and a New 3D Motion Model for Remote UAV Tracking. , 2020, , .		9
40	Twice Simulated Annealing Resource Allocation for mmWave Multi-hop Networks with Interference. , 2020, , .		7
41	Tilt Angle Optimization in Dynamic TDD mmWave Cellular Scenarios. IEEE Communications Letters, 2020, 24, 2637-2641.	4.1	1
42	An Energy-Efficient Controller for Wirelessly-Powered Communication Networks. IEEE Transactions on Communications, 2020, 68, 4986-5002.	7.8	5
43	Toward Standardization of Millimeter-Wave Vehicle-to-Vehicle Networks: Open Challenges and Performance Evaluation. IEEE Communications Magazine, 2020, 58, 79-85.	6.1	46
44	Bike Sharing and Urban Mobility in a Post-Pandemic World. IEEE Access, 2020, 8, 187291-187306.	4.2	58
45	Machine Learning-Aided Design Of Thinned Antenna Arrays For Optimized Network Level Performance. , 2020, , .		11
46	Enabling RAN Slicing Through Carrier Aggregation in mmWave Cellular Networks. , 2020, , .		3
47	Toward End-to-End, Full-Stack 6G Terahertz Networks. IEEE Communications Magazine, 2020, 58, 48-54.	6.1	116
48	A Game-Theoretic and Experimental Analysis of Energy-Depleting Underwater Jamming Attacks. IEEE Internet of Things Journal, 2020, 7, 9793-9804.	8.7	18
49	An Adaptive Broadcasting Strategy for Efficient Dynamic Mapping in Vehicular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 5605-5620.	9.2	7
50	Toward 6G Networks: Use Cases and Technologies. IEEE Communications Magazine, 2020, 58, 55-61.	6.1	994
51	Integrated Access and Backhaul in 5G mmWave Networks: Potential and Challenges. IEEE Communications Magazine, 2020, 58, 62-68.	6.1	129
52	Satellite Communication at Millimeter Waves: a Key Enabler of the 6G Era. , 2020, , .		79
53	Scalable and Accurate Modeling of the Millimeter Wave Channel. , 2020, , .		4
54	Distributed Learning Algorithms for Optimal Data Routing in IoT Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 179-195.	2.8	10

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55	Simplified Ray Tracing for the Millimeter Wave Channel: A Performance Evaluation. , 2020, , .		21
56	Implementation of a Spatial Channel Model for ns-3. , 2020, , .		39
57	MilliCar. , 2020, , .		28
58	Distributed reinforcement learning for flexible UAV swarm control with transfer learning capabilities. , 2020, , .		10
59	Quasi-Deterministic Channel Model for mmWaves: Mathematical Formalization and Validation. , 2020, , .		13
60	NR V2X Communications at Millimeter Waves: An End-to-End Performance Evaluation. , 2020, , .		8
61	Extending the ns-3 QUIC Module. , 2020, , .		5
62	On the Use of Conversation Detection to Improve the Security of Underwater Acoustic Networks. , 2020, , .		1
63	Replay-Attack Countermeasures for Underwater Acoustic Networks. , 2020, , .		5
64	Controlling in real-time an ASV-carried ROV for quay wall and ship hull inspection through wireless links in harbor environments. , 2020, , .		5
65	A QUIC Implementation for ns-3. , 2019, , .		14
66	LTE and Millimeter Waves for V2I Communications: An End-to-End Performance Comparison. , 2019, , .		11
67	Implementation of Reference Public Safety Scenarios in ns-3. , 2019, , .		1
68	Simulation of Next-generation Cellular Networks with ns-3. , 2019, , .		6
69	Underwater Acoustic Sensors Data Collection in the Robotic Vessels as-a-Service Project. , 2019, , .		8
70	On the feasibility of an Anti-grounding Service with Autonomous Surface Vessels. , 2019, , .		4
71	MillimeTera. , 2019, , .		17
72	A Framework to Assess Value of Information in Future Vehicular Networks. , 2019, , .		16

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73	Performance Assessment of MIMO Precoding on Realistic mmWave Channels. , 2019, , .		11
74	A Survey on Recent Advances in Transport Layer Protocols. IEEE Communications Surveys and Tutorials, 2019, 21, 3584-3608.	39.4	87
75	Millimeter Wave Remote UAV Control and Communications for Public Safety Scenarios. , 2019, , .		20
76	Stochastic Geometric Coverage Analysis in mmWave Cellular Networks With Realistic Channel and Antenna Radiation Models. IEEE Transactions on Communications, 2019, 67, 3736-3752.	7.8	50
77	Online Learning for Energy Saving and Interference Coordination in HetNets. IEEE Journal on Selected Areas in Communications, 2019, 37, 1374-1388.	14.0	20
78	Optimal Transmission Scheduling in Small Multimodal Underwater Networks. IEEE Wireless Communications Letters, 2019, 8, 368-371.	5.0	9
79	Enabling Simulation-Based Optimization through Machine Learning: A Case Study on Antenna Design. , 2019, , .		2
80	Telecommunication and Network Engineering Education. IEEE Communications Magazine, 2019, 57, 12-13.	6.1	2
81	QoS Provisioning in 60 GHz Communications by Physical and Transport Layer Coordination. , 2019, , .		2
82	Data Gathering from a Multimodal Dense Underwater Acoustic Sensor Network Deployed in Shallow Fresh Water Scenarios. Journal of Sensor and Actuator Networks, 2019, 8, 55.	3.9	21
83	Value-Anticipating V2V Communications for Cooperative Perception. , 2019, , .		38
84	An Interference-Aware Channel Access Strategy for WSNs Exploiting Temporal Correlation. IEEE Transactions on Communications, 2019, 67, 8585-8597.	7.8	6
85	Investigating Value of Information in Future Vehicular Communications. , 2019, , .		12
86	An Efficient Requirement-Aware Attachment Policy for Future Millimeter Wave Vehicular Networks. , 2019, , .		1
87	A Tutorial on Beam Management for 3GPP NR at mmWave Frequencies. IEEE Communications Surveys and Tutorials, 2019, 21, 173-196.	39.4	406
88	Low-Latency Networking: Where Latency Lurks and How to Tame It. Proceedings of the IEEE, 2019, 107, 280-306.	21.3	89
89	Fast HARQ Over Finite Blocklength Codes: A Technique for Low-Latency Reliable Communication. IEEE Transactions on Wireless Communications, 2019, 18, 194-209.	9.2	63
90	Will TCP Work in mmWave 5G Cellular Networks?. IEEE Communications Magazine, 2019, 57, 65-71.	6.1	97

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91	Towards optimal resource allocation in wireless powered communication networks with non-orthogonal multiple access. Ad Hoc Networks, 2019, 85, 1-10.	5.5	18
92	mmBAC. , 2019, , .		18
93	Jamming the Underwater. , 2019, , .		4
94	A Bike-sharing Optimization Framework Combining Dynamic Rebalancing and User Incentives. ACM Transactions on Autonomous and Adaptive Systems, 2019, 14, 1-30.	0.8	25
95	A Clustering Approach for the Detection of Acoustic/Seismic Signals of Unknown Structure. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1017-1029.	6.3	7
96	Access Control for IoT Nodes With Energy and Fidelity Constraints. IEEE Transactions on Wireless Communications, 2018, 17, 3242-3257.	9.2	22
97	End-to-End Simulation of 5G mmWave Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 2237-2263.	39.4	295
98	Energy Harvesting and Cell Zooming in $K-$ Tier Heterogeneous Random Cellular Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 63-73.	5.5	13
99	RCFD: A Novel Channel Access Scheme for Full-Duplex Wireless Networks Based on Contention in Time and Frequency Domains. IEEE Transactions on Mobile Computing, 2018, 17, 2381-2395.	5.8	9
100	QoE Multi-Stage Machine Learning for Dynamic Video Streaming. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 146-161.	7.9	19
101	Public Safety Communications above 6 GHz: Challenges and Opportunities. IEEE Access, 2018, 6, 316-329.	4.2	40
102	Revisiting Source Routing for Underwater Networking: The SUN Protocol. IEEE Access, 2018, 6, 1525-1541.	4.2	14
103	Joint Compression, Channel Coding, and Retransmission for Data Fidelity With Energy Harvesting. IEEE Transactions on Communications, 2018, 66, 1425-1439.	7.8	9
104	Fair and Throughput-Optimal Routing in Multimodal Underwater Networks. IEEE Transactions on Wireless Communications, 2018, 17, 1738-1754.	9.2	36
105	A Decentralized Optimization Framework for Energy Harvesting Devices. IEEE Transactions on Mobile Computing, 2018, 17, 2483-2496.	5.8	9
106	Topology-Efficient Discovery: A Topology Discovery Algorithm for Underwater Acoustic Networks. IEEE Journal of Oceanic Engineering, 2018, 43, 1200-1214.	3.8	21
107	Using Smart City Data in 5G Self-Organizing Networks. IEEE Internet of Things Journal, 2018, 5, 645-654.	8.7	41
108	On the Feasibility of Integrating mmWave and IEEE 802.11p for V2V Communications. , 2018, , .		18

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109	A Spectrum Sharing Solution for the Efficient Use of mmWave Bands in 5G Cellular Scenarios. , 2018, , .		11
110	Distributed Path Selection Strategies for Integrated Access and Backhaul at mmWaves. , 2018, , .		35
111	Multi-Sector and Multi-Panel Performance in 5G mmWave Cellular Networks. , 2018, , .		14
112	Implementation of AUV and ship noise for link quality evaluation in the DESERT underwater framework. , 2018, , .		12
113	An Efficient Uplink Multi-Connectivity Scheme for 5G Millimeter-Wave Control Plane Applications. IEEE Transactions on Wireless Communications, 2018, 17, 6806-6821.	9.2	43
114	End-to-End Simulation of Integrated Access and Backhaul at mmWaves. , 2018, , .		40
115	Multi-Hop Range Extension of a Wireless Remote Control for Underwater Vehicles. , 2018, , .		1
116	Underwater Delay-Tolerant Routing via Probabilistic Spraying. IEEE Access, 2018, 6, 77767-77784.	4.2	5
117	Study of Realistic Antenna Patterns in 5G mmWave Cellular Scenarios. , 2018, , .		52
118	Integration of carrier aggregation and dual connectivity for the ns-3 mmWave module. , 2018, , .		10
119	On the Feasibility of Video Streaming through Underwater Acoustic Links. , 2018, , .		7
120	A Random Access Scheme to Balance Energy Efficiency and Accuracy in Monitoring Applications. , 2018, , .		2
121	Modeling the Performance of Optical Modems in the DESERT Underwater Network Simulator. , 2018, , .		2
122	Impact of Channel Models on the End-to-End Performance of Mmwave Cellular Networks. , 2018, , .		13
123	Joint Access and Fronthaul Radio Resource Allocation in PD-NOMA-Based 5G Networks Enabling Dual Connectivity and CoMP. IEEE Transactions on Communications, 2018, 66, 6463-6477.	7.8	34
124	A Dynamic Approach to Rebalancing Bike-Sharing Systems. Sensors, 2018, 18, 512.	3.8	92
125	Random Access in the IoT: An Adaptive Sampling and Transmission Strategy. , 2018, , .		8
126	Contextual Bandit Approach for Energy Saving and Interference Coordination in HetNets. , 2018, , .		1

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128	Performance study of LTE and mmWave in vehicle-to-network communications. , 2018, , .		12
129	Exact Assessment of the Delay-Rate Tradeoff in Ergodic Interference Alignment. IEEE Communications Letters, 2018, 22, 910-913.	4.1	2
130	Coverage and connectivity analysis of millimeter wave vehicular networks. Ad Hoc Networks, 2018, 80, 158-171.	5.5	30
131	Bike sharing as a key smart city service: State of the art and future developments. , 2018, , .		5
132	Proactive Caching Strategies in Heterogeneous Networks With Device-to-Device Communications. IEEE Transactions on Wireless Communications, 2018, 17, 5270-5281.	9.2	25
133	The Potential of mmWaves in Smart Industry: Manufacturing at 60 GHz. Lecture Notes in Computer Science, 2018, , 64-76.	1.3	9
134	Practical Perspectives on IoT in 5G Networks: From Theory to Industrial Challenges and Business Opportunities. , 2017, 55, 68-69.		18
135	EC-CENTRIC: An Energy- and Context-Centric Perspective on IoT Systems and Protocol Design. IEEE Access, 2017, 5, 6894-6908.	4.2	23
136	Decentralized Transmission Policies for Energy Harvesting Devices. , 2017, , .		1
137	Controlled Flooding of Fountain Codes. IEEE Transactions on Wireless Communications, 2017, 16, 4698-4710.	9.2	3
138	Cell traffic prediction using joint spatio-temporal information. , 2017, , .		2
139	Millimeter wave communication in vehicular networks: Challenges and opportunities. , 2017, , .		77
140	Hybrid Spectrum Sharing in mmWave Cellular Networks. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 155-168.	7.9	53
141	Delay-Sensitive Area Spectral Efficiency: A Performance Metric for Delay-Constrained Green Networks. IEEE Transactions on Communications, 2017, 65, 2467-2480.	7.8	11
142	Learning methods for long-term channel gain prediction in wireless networks. , 2017, , .		8
143	Achieving Ultra-Low Latency in 5G Millimeter Wave Cellular Networks. , 2017, 55, 196-203.		128
144	Leveraging the Near–Far Effect for Improved Spatial-Reuse Scheduling in Underwater Acoustic Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1480-1493.	9.2	22

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145	Frame Structure Design and Analysis for Millimeter Wave Cellular Systems. IEEE Transactions on Wireless Communications, 2017, 16, 1508-1522.	9.2	61
146	Millimeter Wave Receiver Efficiency: A Comprehensive Comparison of Beamforming Schemes With Low Resolution ADCs. IEEE Transactions on Wireless Communications, 2017, 16, 8131-8146.	9.2	101
147	Improved user tracking in 5G millimeter wave mobile networks via refinement operations. , 2017, , .		15
148	X-TCP: a cross layer approach for TCP uplink flows in mmwave networks. , 2017, , .		21
149	Non-Orthogonal Multiple Access schemes in Wireless Powered Communication Networks. , 2017, , .		20
150	A Machine Learning-Based ETA Estimator for Wi-Fi Transmissions. IEEE Transactions on Wireless Communications, 2017, 16, 7011-7024.	9.2	4
151	On the Relationship Between the Underwater Acoustic and Optical Channels. IEEE Transactions on Wireless Communications, 2017, 16, 8037-8051.	9.2	31
152	Minimizing Data Distortion of Periodically Reporting IoT Devices with Energy Harvesting. , 2017, , .		4
153	Rate-distortion classification for self-tuning IoT networks. , 2017, , .		3
154	Improved Handover Through Dual Connectivity in 5G mmWave Mobile Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2069-2084.	14.0	253
155	ns-3 Implementation of the 3GPP MIMO Channel Model for Frequency Spectrum above 6 GHz. , 2017, , .		31
156	Upper Bound Analysis of the Handover Performance in HetNets. IEEE Communications Letters, 2017, 21, 418-421.	4.1	8
157	Mobility-aware handover strategies in smart cities. , 2017, , .		5
158	Automatic Rate-Distortion Classification for the IoT: Towards Signal-Adaptive Network Protocols. , 2017, , .		3
159	mmWave for future public safety communications. , 2017, , .		2
160	Routing in multi-modal underwater networks: A throughput-optimal approach. , 2017, , .		5
161	Poster: Connectivity analysis of millimeter wave vehicular networks. , 2017, , .		1
162	A Deep Neural Network Approach for Customized Prediction of Mobile Devices Discharging Time. , 2017, , .		4

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163	Stochastic Geometric Coverage Analysis in mmWave Cellular Networks with a Realistic Channel Model. , 2017, , .		12
164	A graph localization approach to assist a diver-in-distress. , 2017, , .		6
165	Measurement-based simulation of underwater optical networks. , 2017, , .		6
166	milliProxy: A TCP proxy architecture for 5G mmWave cellular systems. , 2017, , .		20
167	Optimal link scheduling in millimeter wave multi-hop networks with space division multiple access. , 2016, , .		8
168	A TDMA-based MAC protocol exploiting the near-far effect in underwater acoustic networks. , 2016, , .		6
169	Energy and Area Spectral Efficiency of Cell Zooming in Random Cellular Networks. , 2016, , .		12
170	The impact of beamforming and coordination on spectrum pooling in mmWave cellular networks. , 2016, , .		3
171	Joint Optimization of Energy Efficiency and Data Compression in TDMA-Based Medium Access Control for the IoT. , 2016, , .		14
172	Estimating the Number of Receiving Nodes in 802.11 Networks via Machine Learning Techniques. , 2016, , .		8
173	Joint Optimization of Lossy Compression and Transport in Wireless Sensor Networks. , 2016, , .		5
174	On the Impact of Transmitter Channel Knowledge in Energy-Efficient Machine-Type Communication. , 2016, , .		2
175	Transmission policies in wireless powered communication networks with energy cooperation. , 2016, , .		4
176	Long-term throughput optimization in WPCN with battery-powered devices. , 2016, , .		2
177	Decentralized heuristic access policy design for two cognitive secondary users under a primary Type-I HARQ process. , 2016, , .		0
178	Lightweight Indoor Localization for 60-GHz Millimeter Wave Systems. , 2016, , .		39
179	A Handshake-Based Protocol Exploiting the Near-Far Effect in Underwater Acoustic Networks. IEEE Wireless Communications Letters, 2016, 5, 308-311.	5.0	17
180	On the effects of battery imperfections in an energy harvesting device. , 2016, , .		20

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181	Achievable Secrecy Rates of an Energy Harvesting Device. IEEE Journal on Selected Areas in Communications, 2016, 34, 1502-1517.	14.0	5
182	Statistical QoS analysis of full duplex and half duplex heterogeneous cellular networks. , 2016, , .		8
183	On optimal policies in full-duplex wireless powered communication networks. , 2016, , .		13
184	Optimal Cognitive Access and Packet Selection Under a Primary ARQ Process via Chain Decoding. IEEE Transactions on Information Theory, 2016, 62, 7324-7357.	2.4	4
185	Detection and time-of-arrival estimation of underwater acoustic signals. , 2016, , .		1
186	A joint power and information transfer system using retransmissions. , 2016, , .		1
187	Efficient link discovery for underwater networks. , 2016, , .		6
188	Long-term throughput optimization in WPCN with battery-powered devices. , 2016, , .		1
189	Spectrum Sharing in mmWave Cellular Networks via Cell Association, Coordination, and Beamforming. IEEE Journal on Selected Areas in Communications, 2016, 34, 2902-2917.	14.0	75
190	The DESERT underwater framework v2: Improved capabilities and extension tools. , 2016, , .		48
191	Context information based initial cell search for millimeter wave 5G cellular networks. , 2016, , .		39
192	Wireless Energy and Information Transmission Using Feedback: Infinite and Finite Block-Length Analysis. IEEE Transactions on Communications, 2016, 64, 5304-5318.	7.8	62
193	Analysis of key generation rate from wireless channel in in-band full-duplex communications. , 2016, , .		12
194	Improved active sensing performance in wireless sensor networks via channel state information. , 2016, , .		1
195	Multi-connectivity in 5G mmWave cellular networks. , 2016, , .		78
196	Spectrum Pooling in MmWave Networks: Opportunities, Challenges, and Enablers. , 2016, 54, 33-39.		78
197	Initial Access in 5G mmWave Cellular Networks. , 2016, 54, 40-47.		243
198	Resource allocation in OFDMA networks with half-duplex and imperfect full-duplex users. , 2016, , .		20

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199	Initial Access in Millimeter Wave Cellular Systems. IEEE Transactions on Wireless Communications, 2016, 15, 7926-7940.	9.2	143
200	M2M massive access in LTE: RACH performance evaluation in a Smart City scenario. , 2016, , .		32
201	Implementation of a multi-modal acoustic-optical underwater network protocol stack. , 2016, , .		14
202	RCFD: A frequency-based channel access scheme for full-duplex wireless networks. , 2016, , .		4
203	Battery-Powered Devices in WPCNs. IEEE Transactions on Communications, 2016, , 1-1.	7.8	29
204	Caching strategies in heterogeneous networks with D2D, small BS and macro BS communications. , 2016, , .		25
205	Spreading and repetitions in satellite MAC protocols. , 2016, , .		1
206	Impact of correlated primary transmissions on the design of a cognitive radio inference engine. , 2016, , .		1
207	Long-range communications in unlicensed bands: the rising stars in the IoT and smart city scenarios. IEEE Wireless Communications, 2016, 23, 60-67.	9.0	826
208	Comparative analysis of initial access techniques in 5G mmWave cellular networks. , 2016, , .		116
209	Design aspects of short-range millimeter-wave networks: A MAC layer perspective. IEEE Network, 2016, 30, 88-96.	6.9	49
210	Optimal Transmission Policies for Two-User Energy Harvesting Device Networks With Limited State-of-Charge Knowledge. IEEE Transactions on Wireless Communications, 2016, 15, 1393-1405.	9.2	19
211	Covariogram-Based Compressive Sensing for Environmental Wireless Sensor Networks. IEEE Sensors Journal, 2016, 16, 1716-1729.	4.7	24
212	Context-Aware Handover Policies in HetNets. IEEE Transactions on Wireless Communications, 2016, 15, 1895-1906.	9.2	55
213	A Superprocess with Upper Confidence Bounds for Cooperative Spectrum Sharing. IEEE Transactions on Mobile Computing, 2016, 15, 2939-2953.	5.8	6
214	Applying Machine Learning Techniques to a Real Cognitive Network: File Transfer ETAs Prediction. , 2015, , .		3
215	Energy Harvesting communication system with SOC-dependent energy storage losses. , 2015, , .		4
216	Uplink Resource Allocation in Cellular Systems: An Energy-Efficiency Perspective. , 2015, , .		2

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217	Achievable Secrecy Rates of an Energy Harvesting Device with a Finite Battery. , 2015, , .		1
218	Simulation of a Multimodal Wireless Remote Control System for Underwater Vehicles. , 2015, , .		14
219	Finite Block-Length Analysis of Spectrum Sharing Networks: Interference-Constrained Scenario. IEEE Wireless Communications Letters, 2015, 4, 433-436.	5.0	14
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