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	Internet of Things for Smart Cities. IEEE Internet of Things Journal, 2014, 1, 22-32.	8.7	4,572
2	Toward 6G Networks: Use Cases and Technologies. IEEE Communications Magazine, 2020, 58, 55-61.	6.1	994
3	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
4	Energy Harvesting Wireless Communications: A Review of Recent Advances. IEEE Journal on Selected Areas in Communications, 2015, 33, 360-381.	14.0	777
5	Underwater sensor networks: applications, advances and challenges. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 158-175.	3.4	630
6	In-network aggregation techniques for wireless sensor networks: a survey. IEEE Wireless Communications, 2007, 14, 70-87.	9.0	575
7	From today's INTRAnet of things to a future INTERnet of things: a wireless- and mobility-related view. IEEE Wireless Communications, 2010, 17, 44-51.	9.0	433
8	A Tutorial on Beam Management for 3GPP NR at mmWave Frequencies. IEEE Communications Surveys and Tutorials, 2019, 21, 173-196.	39.4	406
9	Millimeter Wave Cellular Networks: A MAC Layer Perspective. IEEE Transactions on Communications, 2015, 63, 3437-3458.	7.8	364
10	End-to-End Simulation of 5G mmWave Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 2237-2263.	39.4	295
11	Improved Handover Through Dual Connectivity in 5G mmWave Mobile Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2069-2084.	14.0	253
12	Designing intelligent energy harvesting communication systems. , 2014, 52, 210-216.		250
13	Initial Access in 5G mmWave Cellular Networks. , 2016, 54, 40-47.		243
14	Non-Terrestrial Networks in the 6G Era: Challenges and Opportunities. IEEE Network, 2021, 35, 244-251.	6.9	219
15	The challenges of M2M massive access in wireless cellular networks. Digital Communications and Networks, 2015, 1, 1-19.	5.0	214
16	Finite Block-Length Analysis of the Incremental Redundancy HARQ. IEEE Wireless Communications Letters, 2014, 3, 529-532.	5.0	183
17	Energy-Efficient Routing Schemes for Underwater Acoustic Networks. IEEE Journal on Selected Areas in Communications, 2008, 26, 1754-1766.	14.0	180
18	Sensing, Compression, and Recovery for WSNs: Sparse Signal Modeling and Monitoring Framework. IEEE Transactions on Wireless Communications, 2012, 11, 3447-3461.	9.2	156

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19	Long-Range IoT Technologies: The Dawn of LoRaâ„¢Â. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 51-58.	0.3	154
20	Initial Access in Millimeter Wave Cellular Systems. IEEE Transactions on Wireless Communications, 2016, 15, 7926-7940.	9.2	143
21	Protocol design issues in underwater acoustic networks. Computer Communications, 2011, 34, 2013-2025.	5.1	140
22	An Effective Broadcast Scheme for Alert Message Propagation in Vehicular Ad hoc Networks. , 2006, , .		137
23	Integrated Access and Backhaul in 5G mmWave Networks: Potential and Challenges. IEEE Communications Magazine, 2020, 58, 62-68.	6.1	129
24	Achieving Ultra-Low Latency in 5G Millimeter Wave Cellular Networks. , 2017, 55, 196-203.		128
25	Comparative analysis of initial access techniques in 5G mmWave cellular networks. , 2016, , .		116
26	Toward End-to-End, Full-Stack 6G Terahertz Networks. IEEE Communications Magazine, 2020, 58, 48-54.	6.1	116
27	World ocean simulation system (WOSS). , 2009, , .		104
28	Transmission Policies for Energy Harvesting Sensors with Time-Correlated Energy Supply. IEEE Transactions on Communications, 2013, 61, 2988-3001.	7.8	104
29	Web Services for the Internet of Things through CoAP and EXI. , 2011, , .		102
30	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
31	Will TCP Work in mmWave 5G Cellular Networks?. IEEE Communications Magazine, 2019, 57, 65-71.	6.1	97
32	A Dynamic Approach to Rebalancing Bike-Sharing Systems. Sensors, 2018, 18, 512.	3.8	92
33	Cognition-Based Networks: A New Perspective on Network Optimization Using Learning and Distributed Intelligence. IEEE Access, 2015, 3, 1512-1530.	4.2	90
34	Low-Latency Networking: Where Latency Lurks and How to Tame It. Proceedings of the IEEE, 2019, 107, 280-306.	21.3	89
35	ALBA-R: Load-Balancing Geographic Routing Around Connectivity Holes in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 529-539.	5.6	87
36	A Survey on Recent Advances in Transport Layer Protocols. IEEE Communications Surveys and Tutorials, 2019, 21, 3584-3608.	39.4	87

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37	SYNAPSE++: Code Dissemination in Wireless Sensor Networks Using Fountain Codes. IEEE Transactions on Mobile Computing, 2010, 9, 1749-1765.	5.8	86
38	On Joint Frequency and Power Allocation in a Cross-Layer Protocol for Underwater Acoustic Networks. IEEE Journal of Oceanic Engineering, 2010, 35, 936-947.	3.8	82
39	Theoretical Analysis of the Capture Probability in Wireless Systems with Multiple Packet Reception Capabilities. IEEE Transactions on Communications, 2012, 60, 1058-1071.	7.8	81
40	Satellite Communication at Millimeter Waves: a Key Enabler of the 6G Era. , 2020, , .		79
41	Multi-connectivity in 5G mmWave cellular networks. , 2016, , .		78
42	Spectrum Pooling in MmWave Networks: Opportunities, Challenges, and Enablers. , 2016, 54, 33-39.		78
43	The Deployment of a Smart Monitoring System Using Wireless Sensor and Actuator Networks. , 2010, , .		77
44	Millimeter wave communication in vehicular networks: Challenges and opportunities. , 2017, , .		77
45	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
46	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
47	Wireless Energy and Information Transmission Using Feedback: Infinite and Finite Block-Length Analysis. IEEE Transactions on Communications, 2016, 64, 5304-5318.	7.8	62
48	Frame Structure Design and Analysis for Millimeter Wave Cellular Systems. IEEE Transactions on Wireless Communications, 2017, 16, 1508-1522.	9.2	61
49	Finite Block-Length Analysis of Spectrum Sharing Networks Using Rate Adaptation. IEEE Transactions on Communications, 2015, 63, 2823-2835.	7.8	60
50	Learning and Adaptation in Cognitive Radios Using Neural Networks. , 2008, , .		59
51	Bike Sharing and Urban Mobility in a Post-Pandemic World. IEEE Access, 2020, 8, 187291-187306.	4.2	58
52	On optimal transmission policies for energy harvesting devices. , 2012, , .		57
53	SYNAPSE: A Network Reprogramming Protocol for Wireless Sensor Networks Using Fountain Codes. , 2008, , .		55
54	On the design of practical asynchronous physical layer network coding. , 2009, , .		55

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55	Context-Aware Handover Policies in HetNets. IEEE Transactions on Wireless Communications, 2016, 15, 1895-1906.	9.2	55
56	Mitigating Performance Degradation in Congested Sensor Networks. IEEE Transactions on Mobile Computing, 2008, 7, 682-697.	5.8	54
57	Hybrid Spectrum Sharing in mmWave Cellular Networks. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 155-168.	7.9	53
58	A lightweight and accurate link abstraction model for the simulation of LTE networks in ns-3. , 2012, , .		52
59	Study of Realistic Antenna Patterns in 5G mmWave Cellular Scenarios. , 2018, , .		52
60	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
61	A study on the coexistence of fixed satellite service and cellular networks in a mmWave scenario. , 2015, , .		49
62	Design aspects of short-range millimeter-wave networks: A MAC layer perspective. IEEE Network, 2016, 30, 88-96.	6.9	49
63	Towards Optimal Broadcasting Policies for HARQ based on Fountain Codes in Underwater Networks. , 2008, , .		48
64	Idle-time energy savings through wake-up modes in underwater acoustic networks. Ad Hoc Networks, 2009, 7, 770-777.	5.5	48
65	Toward network coding-based protocols for data broadcasting in wireless Ad Hoc networks. IEEE Transactions on Wireless Communications, 2010, 9, 662-673.	9.2	48
66	The DESERT underwater framework v2: Improved capabilities and extension tools. , 2016, , .		48
67	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
68	Toward Standardization of Millimeter-Wave Vehicle-to-Vehicle Networks: Open Challenges and Performance Evaluation. IEEE Communications Magazine, 2020, 58, 79-85.	6.1	46
69	6G for Bridging the Digital Divide: Wireless Connectivity to Remote Areas. IEEE Wireless Communications, 2022, 29, 160-168.	9.0	44
70	M2M massive wireless access: Challenges, research issues, and ways forward. , 2013, , .		43
71	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
72	Queueing Analysis for GBN and SR ARQ Protocols under Dynamic Radio Link Adaptation with Non-Zero Feedback Delay. IEEE Transactions on Wireless Communications, 2007, 6, 3418-3428.	9.2	42

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73	Back pressure congestion control for CoAP/6LoWPAN networks. Ad Hoc Networks, 2014, 18, 71-84.	5.5	42
74	Optimal Transmission Policies for Energy Harvesting Devices With Limited State-of-Charge Knowledge. IEEE Transactions on Communications, 2014, 62, 3969-3982.	7.8	41
75	Using Smart City Data in 5G Self-Organizing Networks. IEEE Internet of Things Journal, 2018, 5, 645-654.	8.7	41
76	CogNet: a cognitive complete knowledge network system. IEEE Wireless Communications, 2008, 15, 81-88.	9.0	40
77	Public Safety Communications above 6 GHz: Challenges and Opportunities. IEEE Access, 2018, 6, 316-329.	4.2	40
78	End-to-End Simulation of Integrated Access and Backhaul at mmWaves. , 2018, , .		40
79	Optimal Adaptive Random Multiaccess in Energy Harvesting Wireless Sensor Networks. IEEE Transactions on Communications, 2015, , 1-1.	7.8	39
80	Lightweight Indoor Localization for 60-GHz Millimeter Wave Systems. , 2016, , .		39
81	Context information based initial cell search for millimeter wave 5G cellular networks. , 2016, , .		39
82	Implementation of a Spatial Channel Model for ns-3. , 2020, , .		39
83	Value-Anticipating V2V Communications for Cooperative Perception. , 2019, , .		38
84	The â€œWireless Sensor Networks for City-Wide Ambient Intelligence (WISE-WAI)â€•Project. Sensors, 2009, 9, 4056-4082.	3.8	37
85	Open source suites for underwater networking: WOSS and DESERT underwater. IEEE Network, 2014, 28, 38-46.	6.9	37
86	Miracle: The Multi-Interface Cross-Layer Extension of ns2. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	36
87	Fair and Throughput-Optimal Routing in Multimodal Underwater Networks. IEEE Transactions on Wireless Communications, 2018, 17, 1738-1754.	9.2	36
88	Distributed Path Selection Strategies for Integrated Access and Backhaul at mmWaves. , 2018, , .		35
89	Experimental study of the space-time properties of acoustic channels for underwater communications. , 2010, , .		34
90	QoE-based transport optimization for video delivery over next generation cellular networks. , 2011, , .		34

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91	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
92	On the Design of Energy-efficient Routing Protocols in Underwater Networks. , 2007, , .		33
93	Mixing network coding and cooperation for reliable wireless communications. IEEE Wireless Communications, 2011, 18, 15-21.	9.0	33
94	A machine learning approach to QoE-based video admission control and resource allocation in wireless systems. , 2014, , .		33
95	M2M massive access in LTE: RACH performance evaluation in a Smart City scenario. , 2016, , .		32
96	WebIoT: A web application framework for the internet of things. , 2012, , .		31
97	Green communication via Type-I ARQ: Finite block-length analysis. , 2014, , .		31
98	On the Relationship Between the Underwater Acoustic and Optical Channels. IEEE Transactions on Wireless Communications, 2017, 16, 8037-8051.	9.2	31
99	ns-3 Implementation of the 3GPP MIMO Channel Model for Frequency Spectrum above 6 GHz. , 2017, , .		31
100	Statistically assisted routing algorithms (SARA) for hop count based forwarding in wireless sensor networks. Wireless Networks, 2008, 14, 55-70.	3.0	30
101	MAC/PHY Cross-Layer Design of MIMO Ad Hoc Networks with Layered Multiuser Detection. IEEE Transactions on Wireless Communications, 2008, 7, 4596-4607.	9.2	30
102	A cooperative scheduling algorithm for the coexistence of fixed satellite services and 5G cellular network. , 2015, , .		30
103	Coverage and connectivity analysis of millimeter wave vehicular networks. Ad Hoc Networks, 2018, 80, 158-171.	5.5	30
104	Cognitive interference management in retransmission-based wireless networks. , 2009, , .		29
105	UWB Sparse/Diffuse Channels, Part I: Channel Models and Bayesian Estimators. IEEE Transactions on Signal Processing, 2012, 60, 5307-5319.	5.3	29
106	Battery-Powered Devices in WPCNs. IEEE Transactions on Communications, 2016, , 1-1.	7.8	29
107	Increasing power efficiency in transmitter diversity systems under error performance constraints. IEEE Transactions on Communications, 2008, 56, 2025-2029.	7.8	28
108	MilliCar. , 2020, , .		28

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109	Cooperative spatial multiplexing for ad hoc networks with hybrid ARQ: system design and performance analysis. IEEE Transactions on Communications, 2008, 56, 1545-1555.	7.8	26
110	Optimal random multiaccess in energy harvesting Wireless Sensor Networks. , 2013, , .		26
111	Inter-Network Cooperation Exploiting Game Theory and Bayesian Networks. IEEE Transactions on Communications, 2013, 61, 4310-4321.	7.8	26
112	Guest Editorial - Underwater Wireless Communication Networks. IEEE Journal on Selected Areas in Communications, 2008, 26, 1617-1619.	14.0	25
113	A Markov-based framework for handover optimization in HetNets. , 2014, , .		25
114	Caching strategies in heterogeneous networks with D2D, small BS and macro BS communications. , 2016, , .		25
115	Proactive Caching Strategies in Heterogeneous Networks With Device-to-Device Communications. IEEE Transactions on Wireless Communications, 2018, 17, 5270-5281.	9.2	25
116	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
117	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
118	A Bayesian analysis of Compressive Sensing data recovery in Wireless Sensor Networks. , 2009, , .		24
119	A cluster formation protocol for cognitive radio ad hoc networks. , 2010, , .		24
120	The Throughput of Underwater Networks: Analysis and Validation using a Ray Tracing Simulator. IEEE Transactions on Wireless Communications, 2013, 12, 1108-1117.	9.2	24
121	Covariogram-Based Compressive Sensing for Environmental Wireless Sensor Networks. IEEE Sensors Journal, 2016, 16, 1716-1729.	4.7	24
122	Integrated Cost-Based MAC and Routing Techniques for Hop Count Forwarding in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2007, 6, 434-448.	5.8	23
123	Joint Transmission and Energy Transfer Policies for Energy Harvesting Devices With Finite Batteries. IEEE Journal on Selected Areas in Communications, 2015, 33, 2626-2640.	14.0	23
124	EC-CENTRIC: An Energy- and Context-Centric Perspective on IoT Systems and Protocol Design. IEEE Access, 2017, 5, 6894-6908.	4.2	23
125	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
126	Phoenix: making cooperation more efficient through network coding in wireless networks. IEEE Transactions on Wireless Communications, 2009, 8, 5248-5258.	9.2	22

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127	Data upload from a static Underwater network to an AUV: Polling or random access?. , 2012, , .		22
128	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
129	Access Control for IoT Nodes With Energy and Fidelity Constraints. IEEE Transactions on Wireless Communications, 2018, 17, 3242-3257.	9.2	22
130	Performance Analysis of LoRaWAN in Industrial Scenarios. IEEE Transactions on Industrial Informatics, 2021, 17, 6241-6250.	11.3	22
131	X-TCP: a cross layer approach for TCP uplink flows in mmwave networks. , 2017, , .		21
132	Topology-Efficient Discovery: A Topology Discovery Algorithm for Underwater Acoustic Networks. IEEE Journal of Oceanic Engineering, 2018, 43, 1200-1214.	3.8	21
133	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
134	Simplified Ray Tracing for the Millimeter Wave Channel: A Performance Evaluation. , 2020, , .		21
135	ALBA: An Adaptive Load - Balanced Algorithm for Geographic Forwarding in Wireless Sensor Networks. , 2006, , .		20
136	A Comparison of Multiple Access Techniques in Clustered Underwater Acoustic Networks. , 2007, , .		20
137	On the effects of battery imperfections in an energy harvesting device. , 2016, , .		20
138	Resource allocation in OFDMA networks with half-duplex and imperfect full-duplex users. , 2016, , .		20
139	Non-Orthogonal Multiple Access schemes in Wireless Powered Communication Networks. , 2017, , .		20
140	milliProxy: A TCP proxy architecture for 5G mmWave cellular systems. , 2017, , .		20
141	Millimeter Wave Remote UAV Control and Communications for Public Safety Scenarios. , 2019, , .		20
142	Online Learning for Energy Saving and Interference Coordination in HetNets. IEEE Journal on Selected Areas in Communications, 2019, 37, 1374-1388.	14.0	20
143	Coverage Analysis of UAVs in Millimeter Wave Networks: A Stochastic Geometry Approach. , 2020, , .		20
144	Wireless Remote Control for Underwater Vehicles. Journal of Marine Science and Engineering, 2020, 8, 736.	2.6	20

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145	Analysis of Outage Probability for Cooperative Networks with HARQ. , 2007, , .		19
146	Fuzzy Logic for Cross-layer Optimization in Cognitive Radio Networks. , 2007, , .		19
147	Effective Capacity for Multi-Rate Relay Channels with Delay Constraint Exploiting Adaptive Cooperative Diversity. IEEE Transactions on Wireless Communications, 2012, 11, 3136-3147.	9.2	19
148	On the feasibility of fully wireless remote control for underwater vehicles. , 2014, , .		19
149	Simulation of multimodal optical and acoustic communications in underwater networks. , 2015, , .		19
150	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
151	QoE Multi-Stage Machine Learning for Dynamic Video Streaming. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 146-161.	7.9	19
152	Accuracy Versus Complexity for mmWave Ray-Tracing: A Full Stack Perspective. IEEE Transactions on Wireless Communications, 2021, 20, 7826-7841.	9.2	19
153	Physical layer approximations for crossâ€"layer performance analysis in MIMO-BLAST ad hoc networks. IEEE Transactions on Wireless Communications, 2007, 6, 4390-4400.	9.2	18
154	Operation policies for Energy Harvesting Devices with imperfect State-of-Charge knowledge. , 2012, , .		18
155	Practical Perspectives on IoT in 5G Networks: From Theory to Industrial Challenges and Business Opportunities. , 2017, 55, 68-69.		18
156	On the Feasibility of Integrating mmWave and IEEE 802.11p for V2V Communications. , 2018, , .		18
157	Towards optimal resource allocation in wireless powered communication networks with non-orthogonal multiple access. Ad Hoc Networks, 2019, 85, 1-10.	5.5	18
158	A Game-Theoretic and Experimental Analysis of Energy-Depleting Underwater Jamming Attacks. IEEE Internet of Things Journal, 2020, 7, 9793-9804.	8.7	18
159	mmBAC. , 2019, , .		18
160	The Design, Deployment, and Analysis of SignetLab: A Sensor Network Testbed and Interactive Management Tool. , 2007, , .		17
161	Cost- and Collision-Minimizing Forwarding Schemes for Wireless Sensor Networks: Design, Analysis and Experimental Validation. IEEE Transactions on Mobile Computing, 2009, 8, 322-337.	5.8	17
162	Capacity gains due to orthogonal spectrum sharing in multi-operator LTE cellular networks. , 2012, , .		17

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163	BlinkToSCoAP: An end-to-end security framework for the Internet of Things. , 2015, , .		17
164	A Handshake-Based Protocol Exploiting the Near-Far Effect in Underwater Acoustic Networks. IEEE Wireless Communications Letters, 2016, 5, 308-311.	5.0	17
165	MillimeTera. , 2019, , .		17
166	Distributed Reinforcement Learning for Flexible and Efficient UAV Swarm Control. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 955-969.	7.9	17
167	On ARQ strategies over random access protocols in underwater acoustic networks. , 2011, , .		16
168	A Framework to Assess Value of Information in Future Vehicular Networks. , 2019, , .		16
169	Exploiting the Bandwidth-Distance Relationship in Underwater Acoustic Networks. , 2007, , .		15
170	Correlated energy generation and imperfect State-of-Charge knowledge in energy harvesting devices. , 2012, , .		15
171	Transmission policies for an energy harvesting device with a data queue. , 2015, , .		15
172	Improved user tracking in 5G millimeter wave mobile networks via refinement operations. , 2017, , .		15
173	Predictive Quality of Service: The Next Frontier for Fully Autonomous Systems. IEEE Network, 2021, 35, 104-110.	6.9	15
174	On modeling JANUS packet errors over a shallow water acoustic channel using Markov and hidden Markov models. , 2010, , .		14
175	Simulation of a Multimodal Wireless Remote Control System for Underwater Vehicles. , 2015, , .		14
176	Finite Block-Length Analysis of Spectrum Sharing Networks: Interference-Constrained Scenario. IEEE Wireless Communications Letters, 2015, 4, 433-436.	5.0	14
177	Joint Optimization of Energy Efficiency and Data Compression in TDMA-Based Medium Access Control for the IoT. , 2016, , .		14
178	Implementation of a multi-modal acoustic-optical underwater network protocol stack. , 2016, , .		14
179	Revisiting Source Routing for Underwater Networking: The SUN Protocol. IEEE Access, 2018, 6, 1525-1541.	4.2	14
180	Multi-Sector and Multi-Panel Performance in 5G mmWave Cellular Networks. , 2018, , .		14

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181	A QUIC Implementation for ns-3. , 2019, , .		14
182	ASUNA: A Topology Data Set for Underwater Network Emulation. IEEE Journal of Oceanic Engineering, 2021, 46, 307-318.	3.8	14
183	A comparison between the Tone-Lohi and Slotted FAMA MAC protocols for underwater networks. , 2008, , .		13
184	On the impact of the environment on MAC and routing in shallow water scenarios. , 2011, , .		13
185	Intervention with Private Information, Imperfect Monitoring and Costly Communication. IEEE Transactions on Communications, 2013, 61, 3192-3205.	7.8	13
186	Rollout Algorithms for Data Storage- and Energy-Aware Data Retrieval Using Autonomous Underwater Vehicles. , 2014, , .		13
187	On optimal policies in full-duplex wireless powered communication networks. , 2016, , .		13
188	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
189	Impact of Channel Models on the End-to-End Performance of Mmwave Cellular Networks. , 2018, , .		13
190	Quasi-Deterministic Channel Model for mmWaves: Mathematical Formalization and Validation. , 2020, , .		13
191	A low-delay MAC solution for MIMO ad hoc networks. IEEE Transactions on Wireless Communications, 2009, 8, 130-135.	9.2	12
192	CLAM — Collaborative embedded networks for submarine surveillance: An overview. , 2011, , .		12
193	Interoperable and globally interconnected Smart Grid using IPv6 and 6LoWPAN. , 2012, , .		12
194	Cognitive access policies under a primary ARQ process via chain decoding. , 2013, , .		12
195	RAZOR: A Compression and Classification Solution for the Internet of Things. Sensors, 2014, 14, 68-94.	3.8	12
196	Energy and Area Spectral Efficiency of Cell Zooming in Random Cellular Networks. , 2016, , .		12
197	Analysis of key generation rate from wireless channel in in-band full-duplex communications. , 2016, , .		12
198	Stochastic Geometric Coverage Analysis in mmWave Cellular Networks with a Realistic Channel Model. , 2017, , .		12

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199	Implementation of AUV and ship noise for link quality evaluation in the DESERT underwater framework. , 2018, , .		12
200	Performance study of LTE and mmWave in vehicle-to-network communications. , 2018, , .		12
201	Investigating Value of Information in Future Vehicular Communications. , 2019, , .		12
202	A performance comparison of MAC protocols for underwater networks using a realistic channel simulator. , 2009, , .		12
203	UAV/HAP-Assisted Vehicular Edge Computing in 6G: Where and What to Offload?. , 2022, , .		12
204	Distributed Cooperative Routing and Hybrid ARQ in MIMO-BLAST Ad Hoc Networks. , 2007, , .		11
205	An algorithmic solution for computing circle intersection areas and its applications to wireless communications. , 2009, , .		11
206	Throughput and Energy Efficiency of Opportunistic Routing with Type-I HARQ in Linear Multihop Networks. , 2010, , .		11
207	Optimal cognitive transmission exploiting redundancy in the primary ARQ process. , 2011, , .		11
208	Delay-Sensitive Area Spectral Efficiency: A Performance Metric for Delay-Constrained Green Networks. IEEE Transactions on Communications, 2017, 65, 2467-2480.	7.8	11
209	A Spectrum Sharing Solution for the Efficient Use of mmWave Bands in 5G Cellular Scenarios. , 2018, , .		11
210	LTE and Millimeter Waves for V2I Communications: An End-to-End Performance Comparison. , 2019, , .		11
211	Performance Assessment of MIMO Precoding on Realistic mmWave Channels. , 2019, , .		11
212	Machine Learning-Aided Design Of Thinned Antenna Arrays For Optimized Network Level Performance. , 2020, , .		11
213	Integration of carrier aggregation and dual connectivity for the ns-3 mmWave module. , 2018, , .		10
214	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
215	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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217	Distributed reinforcement learning for flexible UAV swarm control with transfer learning capabilities. , 2020, , .		10
218	A Detailed Simulation Study of the UWAN-MAC Protocol for Underwater Acoustic Networks. , 2007, , .		9
219	Resource Management in IEEE 802.11 Multiple Access Networks with Price-based Service Provisioning. IEEE Transactions on Wireless Communications, 2008, 7, 4331-4340.	9.2	9
220	Steady state analysis of coded cooperative networks with HARQ protocol. IEEE Transactions on Communications, 2009, 57, 2391-2401.	7.8	9
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