Marco Giordani

List of Publications by Year
in descending order

47 papers	3,242 citations	687363 13 h-index	940533 16 g-index
49 all docs	49 docs citations	49 times ranked	2482 citing authors

#	Article	IF	Citations
1	Toward 6G Networks: Use Cases and Technologies. IEEE Communications Magazine, 2020, 58, 55-61.	6.1	994
2	A Tutorial on Beam Management for 3GPP NR at mmWave Frequencies. IEEE Communications Surveys and Tutorials, 2019, 21, 173-196.	39.4	406
3	Improved Handover Through Dual Connectivity in 5G mmWave Mobile Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2069-2084.	14.0	253
4	Initial Access in 5G mmWave Cellular Networks. , 2016, 54, 40-47.		243
5	Non-Terrestrial Networks in the 6G Era: Challenges and Opportunities. IEEE Network, 2021, 35, 244-251.	6.9	219
6	Integrated Access and Backhaul in 5G mmWave Networks: Potential and Challenges. IEEE Communications Magazine, 2020, 58, 62-68.	6.1	129
7	Comparative analysis of initial access techniques in 5G mmWave cellular networks. , 2016, , .		116
8	Satellite Communication at Millimeter Waves: a Key Enabler of the 6G Era. , 2020, , .		79
9	Multi-connectivity in 5G mmWave cellular networks. , 2016, , .		78
10	Millimeter wave communication in vehicular networks: Challenges and opportunities. , 2017, , .		77
11	Standalone and Non-Standalone Beam Management for 3GPP NR at mmWaves. IEEE Communications Magazine, 2019, 57, 123-129.	6.1	56
12	Toward Standardization of Millimeter-Wave Vehicle-to-Vehicle Networks: Open Challenges and Performance Evaluation. IEEE Communications Magazine, 2020, 58, 79-85.	6.1	46
13	6G for Bridging the Digital Divide: Wireless Connectivity to Remote Areas. IEEE Wireless Communications, 2022, 29, 160-168.	9.0	44
14	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
15	End-to-End Simulation of Integrated Access and Backhaul at mmWaves. , 2018, , .		40
16	Value-Anticipating V2V Communications for Cooperative Perception. , 2019, , .		38
17	Distributed Path Selection Strategies for Integrated Access and Backhaul at mmWaves. , 2018, , .		35
18	Coverage and connectivity analysis of millimeter wave vehicular networks. Ad Hoc Networks, 2018, 80, 158-171.	5.5	30

#	Article	IF	Citations
19	MilliCar. , 2020, , .		28
20	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
21	Simplified Ray Tracing for the Millimeter Wave Channel: A Performance Evaluation. , 2020, , .		21
22	Coverage Analysis of UAVs in Millimeter Wave Networks: A Stochastic Geometry Approach. , 2020, , .		20
23	Accuracy Versus Complexity for mmWave Ray-Tracing: A Full Stack Perspective. IEEE Transactions on Wireless Communications, 2021, 20, 7826-7841.	9.2	19
24	On the Feasibility of Integrating mmWave and IEEE 802.11p for V2V Communications. , 2018, , .		18
25	Path Loss Models for V2V mmWave Communication: Performance Evaluation and Open Challenges. , 2019, , .		18
26	A Framework to Assess Value of Information in Future Vehicular Networks. , 2019, , .		16
27	Improved user tracking in 5G millimeter wave mobile networks via refinement operations. , 2017, , .		15
28	Predictive Quality of Service: The Next Frontier for Fully Autonomous Systems. IEEE Network, 2021, 35, 104-110.	6.9	15
29	Performance study of LTE and mmWave in vehicle-to-network communications. , 2018, , .		12
30	Initial access frameworks for 3GPP NR at mmWave frequencies. , 2018, , .		12
31	Investigating Value of Information in Future Vehicular Communications. , 2019, , .		12
32	UAV/HAP-Assisted Vehicular Edge Computing in 6G: Where and What to Offload?. , 2022, , .		12
33	LTE and Millimeter Waves for V2I Communications: An End-to-End Performance Comparison. , 2019, , .		11
34	NR V2X Communications at Millimeter Waves: An End-to-End Performance Evaluation. , 2020, , .		8
35	An Adaptive Broadcasting Strategy for Efficient Dynamic Mapping in Vehicular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 5605-5620.	9.2	7
36	Hybrid Point Cloud Semantic Compression for Automotive Sensors: A Performance Evaluation. , 2021, , .		7

#	Article	IF	Citations
37	On the Role of Sensor Fusion for Object Detection in Future Vehicular Networks. , 2021, , .		7
38	6G Enabling Technologies. Computer Communications and Networks, 2021, , 25-41.	0.8	5
39	Scalable and Accurate Modeling of the Millimeter Wave Channel. , 2020, , .		4
40	Jamming the Underwater. , 2019, , .		4
41	End-to-End Simulation of 5G Networks Assisted by IRS and AF Relays. , 2022, , .		4
42	Emerging Trends in Vehicular Communication Networks. , 2018, , 37-57.		3
43	On the beamforming design of millimeter wave UAV networks: Power vs. capacity trade-offs. Computer Networks, 2022, 205, 108746.	5.1	3
44	Point Cloud Compression for Efficient Data Broadcasting: A Performance Comparison. , 2022, , .		3
45	Artificial Intelligence in Vehicular Wireless Networks: A Case Study Using ns-3. , 2022, , .		2
46	Poster: Connectivity analysis of millimeter wave vehicular networks. , 2017, , .		1
47	An Efficient Requirement-Aware Attachment Policy for Future Millimeter Wave Vehicular Networks. , 2019, , .		1