

Marco Mezzavilla

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/592218/publications.pdf>

Version: 2024-02-01

32
papers

1,947
citations

1040056

9
h-index

1372567

10
g-index

32
all docs

32
docs citations

32
times ranked

1619
citing authors

#	ARTICLE	IF	CITATIONS
1	End-to-End Simulation of 5G mmWave Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 2237-2263.	39.4	295
2	Improved Handover Through Dual Connectivity in 5G mmWave Mobile Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2069-2084.	14.0	253
3	Initial Access in 5G mmWave Cellular Networks. , 2016, 54, 40-47.		243
4	Initial Access in Millimeter Wave Cellular Systems. IEEE Transactions on Wireless Communications, 2016, 15, 7926-7940.	9.2	143
5	Achieving Ultra-Low Latency in 5G Millimeter Wave Cellular Networks. , 2017, 55, 196-203.		128
6	Comparative analysis of initial access techniques in 5G mmWave cellular networks. , 2016, , .		116
7	What Will the Future of UAV Cellular Communications Be? A Flight From 5G to 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 1304-1335.	39.4	94
8	Multi-connectivity in 5G mmWave cellular networks. , 2016, , .		78
9	Transport layer performance in 5G mmWave cellular. , 2016, , .		73
10	Frame Structure Design and Analysis for Millimeter Wave Cellular Systems. IEEE Transactions on Wireless Communications, 2017, 16, 1508-1522.	9.2	61
11	Power Consumption Analysis for Mobile MmWave and Sub-THz Receivers. , 2020, , .		58
12	Hybrid Spectrum Sharing in mmWave Cellular Networks. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 155-168.	7.9	53
13	An MDP model for optimal handover decisions in mmWave cellular networks. , 2016, , .		50
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	Resource sharing in 5G mmWave cellular networks. , 2016, , .		42
16	Public Safety Communications above 6 GHz: Challenges and Opportunities. IEEE Access, 2018, 6, 316-329.	4.2	40
17	ns-3 Implementation of the 3GPP MIMO Channel Model for Frequency Spectrum above 6 GHz. , 2017, , .		31
18	Drone Detection and Classification Based on Radar Cross Section Signatures. , 2021, , .		21

#	ARTICLE	IF	CITATIONS
19	Millimeter Wave Remote UAV Control and Communications for Public Safety Scenarios. , 2019, , .		20
20	User Association in 5G mmWave Networks. , 2017, , .		19
21	Multi-Array Designs for mmWave and Sub-THz Communication to UAVs. , 2020, , .		15
22	Lightweight UAV-based Measurement System for Air-to-Ground Channels at 28 GHz. , 2021, , .		13
23	Generative Neural Network Channel Modeling for Millimeter-Wave UAV Communication. IEEE Transactions on Wireless Communications, 2022, 21, 9417-9431.	9.2	12
24	Agile Radio Resource Management Techniques for 5G New Radio. , 2017, 55, 62-63.		11
25	A 3GPP NR Compliant Beam Management Framework to Simulate End-to-End mmWave Networks. , 2018, , .		8
26	Millimeter-Wave UAV Coverage in Urban Environments. , 2021, , .		7
27	Network-Aware 5G Edge Computing for Object Detection: Augmenting Wearables to See More, Farther and Faster. IEEE Access, 2022, 10, 29612-29632.	4.2	7
28	Performance Assessment of Off-The-Shelf Mm Wave Radios for Drone Communications. , 2019, , .		5
29	Enabling Remote Whole-Body Control with 5G Edge Computing. , 2020, , .		5
30	mmWave for future public safety communications. , 2017, , .		2
31	Understanding Energy Efficiency and Interference Tolerance in Millimeter Wave Receivers. , 2021, , .		1
32	What Positioning Accuracy is Sufficient for Reliable mmWave A2G Channel Measurements?. , 2022, , .		0