

Mischa Dohler

List of Publications by Year in descending order

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33
papers

3,152
citations

394421

19
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414414

32
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34
all docs

34
docs citations

34
times ranked

3215
citing authors

#	ARTICLE	IF	CITATIONS
1	5G-Enabled Tactile Internet. IEEE Journal on Selected Areas in Communications, 2016, 34, 460-473.	14.0	608
2	6G Wireless Systems: Vision, Requirements, Challenges, Insights, and Opportunities. Proceedings of the IEEE, 2021, 109, 1166-1199.	21.3	538
3	Massive Non-Orthogonal Multiple Access for Cellular IoT: Potentials and Limitations. , 2017, 55, 55-61.		311
4	Realizing the Tactile Internet: Haptic Communications over Next Generation 5G Cellular Networks. IEEE Wireless Communications, 2017, 24, 82-89.	9.0	225
5	Toward Haptic Communications Over the 5G Tactile Internet. IEEE Communications Surveys and Tutorials, 2018, 20, 3034-3059.	39.4	179
6	5G Multi-RAT LTE-WiFi Ultra-Dense Small Cells: Performance Dynamics, Architecture, and Trends. IEEE Journal on Selected Areas in Communications, 2015, 33, 1224-1240.	14.0	149
7	Towards a Green and Self-Powered Internet of Things Using Piezoelectric Energy Harvesting. IEEE Access, 2019, 7, 94533-94556.	4.2	133
8	Internet of skills, where robotics meets AI, 5G and the Tactile Internet. , 2017, , .		99
9	Dynamic Multi-Connectivity Performance in Ultra-Dense Urban mmWave Deployments. IEEE Journal on Selected Areas in Communications, 2017, 35, 2038-2055.	14.0	98
10	Achieving End-to-End Reliability of Mission-Critical Traffic in Softwarized 5G Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 485-501.	14.0	94
11	Future of Ultra-Dense Networks Beyond 5G: Harnessing Heterogeneous Moving Cells. IEEE Communications Magazine, 2019, 57, 86-92.	6.1	94
12	Enabling the IoT Machine Age With 5G: Machine-Type Multicast Services for Innovative Real-Time Applications. IEEE Access, 2016, 4, 5555-5569.	4.2	91
13	Will SDN Be Part of 5G?. IEEE Communications Surveys and Tutorials, 2018, 20, 3220-3258.	39.4	83
14	Blockchain-Empowered Framework for Decentralized Network Management in 6G. IEEE Communications Magazine, 2020, 58, 86-92.	6.1	75
15	RACH Preamble Repetition in NB-IoT Network. IEEE Communications Letters, 2018, 22, 1244-1247.	4.1	52
16	Massive Multiple Access Based on Superposition Raptor Codes for Cellular M2M Communications. IEEE Transactions on Wireless Communications, 2017, 16, 307-319.	9.2	45
17	Stochastic Geometry Modeling of Cellular V2X Communication Over Shared Channels. IEEE Transactions on Vehicular Technology, 2019, 68, 11873-11887.	6.3	45
18	Group Communications in Narrowband-IoT: Architecture, Procedures, and Evaluation. IEEE Internet of Things Journal, 2018, 5, 1539-1549.	8.7	40

#	ARTICLE	IF	CITATIONS
19	Cybersecurity Challenges Associated With the Internet of Things in a Post-Quantum World. IEEE Access, 2020, 8, 157356-157381.	4.2	32
20	Six Critical Challenges for 6G Wireless Systems: A Summary and Some Solutions. IEEE Vehicular Technology Magazine, 2022, 17, 16-26.	3.4	26
21	Index Modulation Aided Uplink NOMA for Massive Machine Type Communications. IEEE Wireless Communications Letters, 2020, 9, 2159-2162.	5.0	23
22	Cost-Effective Resource Allocation for Multitier Mobile Edge Computing in 5G Mobile Networks. IEEE Access, 2021, 9, 28658-28672.	4.2	18
23	Cross-Layer QoE Optimization for D2D Communication in CR-Enabled Heterogeneous Cellular Networks. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 719-734.	7.9	17
24	Quantum-Resistant Cryptography for the Internet of Things Based on Location-Based Lattices. IEEE Access, 2021, 9, 133185-133203.	4.2	13
25	Vibrotactile Quality Assessment: Hybrid Metric Design Based on SNR and SSIM. IEEE Transactions on Multimedia, 2020, 22, 921-933.	7.2	12
26	Narrowband-Internet of Things Device-to-Device Simulation: An Open-Sourced Framework. Sensors, 2021, 21, 1824.	3.8	11
27	A Cost-Driven Approach to Caching-as-a-Service in Cloud-Based 5G Mobile Networks. IEEE Transactions on Mobile Computing, 2020, 19, 997-1009.	5.8	10
28	Receiver Design for Uplink Power Domain NOMA With Discontinuous Transmissions. IEEE Communications Letters, 2021, 25, 2738-2742.	4.1	9
29	Wi-Fi-Dependent Consensus Mechanism for Constrained Devices Using Blockchain Technology. IEEE Access, 2020, 8, 143595-143606.	4.2	7
30	Evolutionary Coverage Optimization for a Self-Organizing UAV-Based Wireless Communication System. IEEE Access, 2021, 9, 145066-145082.	4.2	5
31	Vibrotactile Alphabets: Time and Frequency Patterns to Encode Information. IEEE Transactions on Haptics, 2021, 14, 161-173.	2.7	4
32	Enabling transmission status detection in grant-free power domain non-orthogonal multiple access for massive Internet of Things. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	3.9	3
33	Fast and computationally efficient generative adversarial network algorithm for unmanned aerial vehicle-based network coverage optimization. International Journal of Distributed Sensor Networks, 2022, 18, 155014772210755.	2.2	2