

Mohamed-Slim Alouini

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,474
papers

37,413
citations

78
h-index

156
g-index

1,753
ext. papers

47,965
ext. citations

6
avg, IF

8.36
L-index

#	Paper	IF	Citations
1474	Energy-Aware Underwater Optical System With Combined Solar Cell and SPAD Receiver. <i>IEEE Communications Letters</i> , 2022 , 26, 59-63	3.8	1
1473	Radio Sensing Using 5G Signals: Concepts, State of the Art, and Challenges. <i>IEEE Internet of Things Journal</i> , 2022 , 9, 1037-1052	10.7	3
1472	Channel Characterization of IRS-based Visible Light Communication Systems. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	2
1471	Efficient channel modeling of structured light in turbulence using generative adversarial networks.. <i>Optics Express</i> , 2022 , 30, 7238-7252	3.3	2
1470	Self-powered weather station for remote areas and difficult-access locations.. <i>Optics Express</i> , 2022 , 30, 2668-2679	3.3	2
1469	Network Graph Generation through Adaptive Clustering and Infection Dynamics: A Step Towards Global Connectivity. <i>IEEE Communications Letters</i> , 2022 , 1-1	3.8	
1468	Compressive Near-Field Localization For Multipath RIS-aided Environments. <i>IEEE Communications Letters</i> , 2022 , 1-1	3.8	3
1467	Revolutionizing Optical Wireless Communications via Smart Optics. <i>IEEE Open Journal of the Communications Society</i> , 2022 , 1-1	6.7	3
1466	Secrecy Performance Analysis of Parallel FSO/mm-wave System Over Unified Fisher-Snedecor Channels. <i>IEEE Photonics Journal</i> , 2022 , 14, 1-13	1.8	4
1465	Probabilistic Shaping Based Spatial Modulation for Spectral-Efficient VLC. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	0
1464	Ultra-Dense LEO Satellite-Based Communication Systems: A Novel Modeling Technique. <i>IEEE Communications Magazine</i> , 2022 , 60, 25-31	9.1	5
1463	Simultaneous Lightwave and Power Transfer for Internet of Things Devices. <i>Energies</i> , 2022 , 15, 2814	3.1	0
1462	Beamforming Design and Performance Analysis for Satellite and UAV Integrated Networks in IoRT Applications. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	1
1461	Non-Terrestrial Communications Assisted by Reconfigurable Intelligent Surfaces. <i>Proceedings of the IEEE</i> , 2022 , 1-43	14.3	7
1460	Drone Charging Stations Deployment in Rural Areas for Better Wireless Coverage: Challenges and Solutions. <i>IEEE Internet of Things Magazine</i> , 2022 , 5, 148-153	3.5	3
1459	Reconfigurable intelligent surface assisted grant-free massive access. <i>Intelligent and Converged Networks</i> , 2022 , 3, 134-143	4	1
1458	Proactive Traffic Offloading in Dynamic Integrated Multi-Satellite Terrestrial Networks. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	1

1457	Ergodic Capacity Analysis of UAV-based FSO Links over Foggy Channels. <i>IEEE Wireless Communications Letters</i> , 2022 , 1-1	5.9	1
1456	Unleashing the Potential of Networked Tethered Flying Platforms: Prospects, Challenges, and Applications. <i>IEEE Open Journal of Vehicular Technology</i> , 2022 , 1-1	5.3	2
1455	Reconfigurable Intelligent Surface Enabled Interference Nulling and Signal Power Maximization in mmWave bands. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	0
1454	High-Rate Uninterrupted Internet-of-Vehicle Communications in Highways: Dynamic Blockage Avoidance and CSIT Acquisition. <i>IEEE Communications Magazine</i> , 2022 , 1-7	9.1	
1453	A Tutorial on Terahertz-Band Localization for 6G Communication Systems. <i>IEEE Communications Surveys and Tutorials</i> , 2022 , 1-1	37.1	10
1452	NOMA Enhanced UAV-Assisted Communication System With Non-Linear Energy Harvesting. <i>IEEE Open Journal of the Communications Society</i> , 2022 , 1-1	6.7	0
1451	Charging Techniques for UAV-Assisted Data Collection: Is Laser Power Beaming the Answer?. <i>IEEE Communications Magazine</i> , 2022 , 60, 50-56	9.1	1
1450	Computation Offloading and Service Caching in Heterogeneous MEC Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	
1449	Series Editorial: Optical Communications and Networks. <i>IEEE Communications Magazine</i> , 2021 , 59, 56-56	9.1	
1448	Artificial intelligence for satellite communication: A review. <i>Intelligent and Converged Networks</i> , 2021 , 2, 213-243	4	15
1447	Body-Centric Terahertz Networks: Prospects and Challenges. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2021 , 1-1	2.3	3
1446	. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 2628-2644	6.7	8
1445	. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 2597-2615	6.7	3
1444	On the Capacity of Intensity-Modulation Direct-Detection Gaussian Optical Wireless Communication Channels: A Tutorial. <i>IEEE Communications Surveys and Tutorials</i> , 2021 , 1-1	37.1	3
1443	Efficient NOMA Design without Channel Phase Information using Amplitude-Coherent Detection. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	
1442	EMF-Aware Cellular Networks in RIS-Assisted Environments. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	4
1441	Guest Editorial Signal Processing Advances in Wireless Transmission of Information and Power. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 15, 1056-1059	7.5	
1440	Dual-wavelength luminescent fibers receiver for wide field-of-view, Gb/s underwater optical wireless communication. <i>Optics Express</i> , 2021 , 29, 38014-38026	3.3	9

1439	On Outage Performance of Terahertz Wireless Communication Systems. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	2
1438	TeraMIMO: A Channel Simulator for Wideband Ultra-Massive MIMO Terahertz Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	12
1437	Stochastic Analysis of Cooperative Satellite-UAV Communications. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	3
1436	Hyperloop Communications: Challenges, Advances, and Approaches. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 2413-2435	6.7	2
1435	Sum-Rate Analysis of a Multi-cell Multi-user MISO System under Double Scattering Channels. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	
1434	Efficient Importance Sampling for the Left Tail of Positive Gaussian Quadratic Forms. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 527-531	5.9	
1433	Differential Reflecting Modulation for Reconfigurable Intelligent Surface-Based Communications. <i>IEEE Communications Letters</i> , 2021 , 25, 907-910	3.8	5
1432	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2092-2108	9.6	22
1431	User Pairing, Link Selection, and Power Allocation for Cooperative NOMA Hybrid VLC/RF Systems. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 1785-1800	9.6	21
1430	Efficient Fronthaul and Backhaul Connectivity for IoT Traffic in Rural Areas. <i>IEEE Internet of Things Magazine</i> , 2021 , 4, 60-66	3.5	3
1429	Uplink Massive Access in Mixed RF/FSO Satellite-Aerial-Terrestrial Networks. <i>IEEE Transactions on Communications</i> , 2021 , 69, 2413-2426	6.9	27
1428	Safeguarding the IoT From Malware Epidemics: A Percolation Theory Approach. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 6039-6052	10.7	4
1427	Wide-field-of-view optical detectors using fused fiber-optic tapers. <i>Optics Letters</i> , 2021 , 46, 1916-1919	3	9
1426	Dual Attention-Based Federated Learning for Wireless Traffic Prediction 2021 ,		7
1425	A Survey on Integrated Access and Backhaul Networks. <i>Frontiers in Communications and Networks</i> , 2021 , 2,	3.3	8
1424	Wireless Communication for Flying Cars. <i>Frontiers in Communications and Networks</i> , 2021 , 2,	3.3	4
1423	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 3597-3610	9.6	9
1422	Terahertz Ultra-Massive MIMO-Based Aeronautical Communications in Space-Air-Ground Integrated Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 1741-1767	14.2	17

1421	Reduction of the beam pointing error for improved free-space optical communication link performance. <i>IFAC Journal of Systems and Control</i> , 2021 , 16, 100154	0.9	0
1420	Full-Duplex Enabled Intelligent Reflecting Surface Systems: Opportunities and Challenges. <i>IEEE Wireless Communications</i> , 2021 , 28, 122-129	13.4	0
1419	A New Non-Linear Joint Model for RF Energy Harvesters in Wireless Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 5, 895-907	4	1
1418	On the Performance of RIS-Assisted Dual-Hop Mixed RF-UWOC Systems. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021 , 7, 340-353	6.6	9
1417	Deep Learning in the Industrial Internet of Things: Potentials, Challenges, and Emerging Applications. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 11016-11040	10.7	23
1416	Can blockchain link the future?. <i>Digital Communications and Networks</i> , 2021 ,	5.9	9
1415	Multi-Area Throughput and Energy Optimization of UAV-Aided Cellular Networks Powered by Solar Panels and Grid. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 2427-2444	4.6	18
1414	Stochastic Geometry-Based Analysis of LEO Satellite Communication Systems. <i>IEEE Communications Letters</i> , 2021 , 25, 2458-2462	3.8	17
1413	Power Allocation and Link Selection for Multicell Cooperative NOMA Hybrid VLC/RF Systems. <i>IEEE Communications Letters</i> , 2021 , 25, 560-564	3.8	11
1412	Robust Design for IRS-Aided Communication Systems With User Location Uncertainty. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 63-67	5.9	9
1411	Distributed IRS With Statistical Passive Beamforming for MISO Communications. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 221-225	5.9	20
1410	Visible Light Communications via Intelligent Reflecting Surfaces: Metasurfaces vs Mirror Arrays. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 1-20	6.7	29
1409	Impact of RF I/Q Imbalance on Interference-Limited Mixed RF/FSO TWR Systems With Non-Zero Boresight Error. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 416-420	5.9	1
1408	Throughput Maximization of Mixed FSO/RF UAV-Aided Mobile Relaying With a Buffer. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 683-694	9.6	19
1407	Terahertz-Band MIMO Systems: Adaptive Transmission and Blind Parameter Estimation. <i>IEEE Communications Letters</i> , 2021 , 25, 641-645	3.8	10
1406	The Meta Distributions of Secrecy Rate for the Downlink NOMA Systems. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 291-295	5.9	1
1405	Power Allocation for Relayed OFDM With Index Modulation Assisted by Artificial Neural Network. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 373-377	5.9	2
1404	Modeling and Analysis of Dynamic Charging for EVs: A Stochastic Geometry Approach. <i>IEEE Open Journal of Vehicular Technology</i> , 2021 , 2, 17-44	5.3	3

1403	Adaptive Acquisition Schemes for Photon-Limited Free-Space Optical Communications. <i>IEEE Transactions on Communications</i> , 2021 , 69, 416-428	6.9	2
1402	On the Transmission Probabilities in Quantum Key Distribution Systems Over FSO Links. <i>IEEE Transactions on Communications</i> , 2021 , 69, 429-442	6.9	1
1401	Beamforming Through Reconfigurable Intelligent Surfaces in Single-User MIMO Systems: SNR Distribution and Scaling Laws in the Presence of Channel Fading and Phase Noise. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 77-81	5.9	42
1400	Exploiting Randomly Located Blockages for Large-Scale Deployment of Intelligent Surfaces. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 1043-1056	14.2	34
1399	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2761-2775	9.6	7
1398	. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	7
1397	Point-to-Point Communication in Integrated Satellite-Aerial 6G Networks: State-of-the-Art and Future Challenges. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 1505-1525	6.7	10
1396	Diversity Schemes in Multi-hop Visible Light Communications for 6G Networks. <i>Procedia Computer Science</i> , 2021 , 182, 140-149	1.6	2
1395	Performance Analysis of Satellite Communication Systems with Randomly Located Ground Users. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	2
1394	On Telecommunication Service Imbalance and Infrastructure Resource Deployment. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	2
1393	On the Performance of Spectrum Sharing Backscatter Communication Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
1392	A Power Saving Scheme for IEEE 802.15.3d THz Wireless Communication Links. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	2
1391	On Topology Optimization and Routing in Integrated Access and Backhaul Networks: A Genetic Algorithm-Based Approach. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 1-1	6.7	4
1390	Further Results on Detection and Channel Estimation for Hardware Impaired Signals. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	0
1389	Coverage Analysis for UAV-Assisted Cellular Networks in Rural Areas. <i>IEEE Open Journal of Vehicular Technology</i> , 2021 , 2, 194-206	5.3	5
1388	Applying Deep-Learning-Based Computer Vision to Wireless Communications: Methodologies, Opportunities, and Challenges. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 132-143	6.7	7
1387	Reliability Analysis of FD-Enabled Multi-UAV Systems with Short-Packet Communication. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	4
1386	Health Risks Associated With 5G Exposure: A View From the Communications Engineering Perspective. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 2131-2179	6.7	19

1385	Backflash Light as a Security Vulnerability in Quantum Key Distribution Systems 2021 , 83-97		1
1384	Flying Car Transportation System: Advances, Techniques, and Challenges. <i>IEEE Access</i> , 2021 , 9, 24586-24603	9.9	9
1383	Information-Theoretic Analysis of OFDM with Subcarrier Number Modulation. <i>IEEE Transactions on Information Theory</i> , 2021 , 1-1	2.8	0
1382	Performance Analysis of Dual-Hop Mixed PLC/RF Communication Systems. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	4
1381	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	7
1380	Massive Measurements of 5G Exposure in a Town: Methodology and Results. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 2029-2048	6.7	4
1379	Analysis of Large Scale Aerial Terrestrial Networks with mmWave Backhauling. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	4
1378	Coded-Caching Using Adaptive Transmission. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	
1377	Downlink resource allocations of satellite-airborne-terrestrial networks integration. <i>Advances in Computers</i> , 2021 , 1-40	2.9	
1376	Wireless Network Coding with Intelligent Reflecting Surfaces. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	2
1375	Artificial Intelligence for UAV-Enabled Wireless Networks: A Survey. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 1015-1040	6.7	27
1374	A Survey on Higher-Order QAM Constellations: Technical Challenges, Recent Advances, and Future Trends. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 617-655	6.7	11
1373	Non-linear EH-based UAV-assisted FD IoT Networks: Infinite and Finite Blocklength Analysis. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
1372	Green Tethered UAVs for EMF-Aware Cellular Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	6
1371	. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	2
1370	Reconfigurable Intelligent Surfaces for Localization: Position and Orientation Error Bounds. <i>IEEE Transactions on Signal Processing</i> , 2021 , 1-1	4.8	39
1369	Grant-Free Opportunistic Uplink Transmission in Wireless-Powered IoT: A Spatio-Temporal Model. <i>IEEE Transactions on Communications</i> , 2021 , 69, 991-1006	6.9	4
1368	A Survey on Joint Communication-Radar Systems. <i>Frontiers in Communications and Networks</i> , 2021 , 1,	3.3	4

1367	Predictor Antenna: A Technique to Boost the Performance of Moving Relays. <i>IEEE Communications Magazine</i> , 2021 , 59, 80-86	9.1	4
1366	Terahertz Massive MIMO With Holographic Reconfigurable Intelligent Surfaces. <i>IEEE Transactions on Communications</i> , 2021 , 69, 4732-4750	6.9	38
1365	Modeling Co-Channel Interference in the THz Band. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 6319-6334	6.8	2
1364	On Delay-Limited Average Rate of HARQ-Based Predictor Antenna Systems. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1628-1632	5.9	2
1363	Free-Space Optical Communication Using Non-Mode-Selective Photonic Lantern-Based Coherent Receiver. <i>IEEE Transactions on Communications</i> , 2021 , 69, 5367-5380	6.9	5
1362	. <i>IEEE Transactions on Communications</i> , 2021 , 69, 5028-5042	6.9	1
1361	Viral Aerosol Concentration Characterization and Detection in Bounded Environments. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2021 , 7, 185-199	2.3	1
1360	The Optimal and the Greedy: Drone Association and Positioning Schemes for Internet of UAVs. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 14066-14079	10.7	8
1359	The Potential of Multilayered Hierarchical Nonterrestrial Networks for 6G: A Comparative Analysis Among Networking Architectures. <i>IEEE Vehicular Technology Magazine</i> , 2021 , 16, 99-107	9.9	5
1358	On the Influence of Charging Stations Spatial Distribution on Aerial Wireless Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 5, 1395-1409	4	6
1357	ECG-based machine-learning algorithms for heartbeat classification. <i>Scientific Reports</i> , 2021 , 11, 18738	4.9	11
1356	Rate-Splitting Multiple Access for Intelligent Reflecting Surface Aided Multi-User Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 9217-9229	6.8	15
1355	Accelerate Monte Carlo Simulation for Probability Measures by an Interrupt Mechanism. <i>IEEE Communications Letters</i> , 2021 , 25, 2854-2858	3.8	
1354	Cost-sensitive design of quadratic discriminant analysis for imbalanced data. <i>Pattern Recognition Letters</i> , 2021 , 149, 24-29	4.7	0
1353	Earth Rotation-Aware Non-Stationary Satellite Communication Systems: Modeling and Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 5942-5956	9.6	3
1352	An Overview of Signal Processing Techniques for Terahertz Communications. <i>Proceedings of the IEEE</i> , 2021 , 109, 1628-1665	14.3	42
1351	Special Issue on: Optical Wireless Communications for Emerging Connectivity Requirements. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 82-86	6.7	
1350	A Semi-Linear Approximation of the First-Order Marcum Q-Function With Application to Predictor Antenna Systems. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 273-286	6.7	3

1349	Massive Access in Media Modulation Based Massive Machine-Type Communications. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	5
1348	Optimal Power Allocation Between Beam Tracking and Symbol Detection Channels in a Free-Space Optical Communications Receiver. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	2
1347	. <i>IEEE Access</i> , 2021 , 9, 62519-62531	3.5	3
1346	A Robust Frequency Domain Decision Feedback Equalization System for uplink SC-FDMA systems. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	3
1345	Cramér-Rao Bounds for Beam Tracking With Photon Counting Detector Arrays in Free-Space Optical Communications. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 1065-1081	6.7	3
1344	Opportunistic Routing for Opto-Acoustic Internet of Underwater Things. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	4
1343	Wireless Power Transfer for Future Networks: Signal Processing, Machine Learning, Computing, and Sensing. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 1-1	7.5	20
1342	On the Precise Error Analysis of Support Vector Machines. <i>IEEE Open Journal of Signal Processing</i> , 2021 , 2, 99-118	1.2	4
1341	On the Performance of IRS-Assisted Multi-Layer UAV Communications with Imperfect Phase Compensation. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	13
1340	Spatially-Distributed RISs vs Relay-Assisted Systems: A Fair Comparison. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 799-817	6.7	9
1339	On the Capacity of Reconfigurable Intelligent Surface Assisted MIMO Symbiotic Communications. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	0
1338	On the Topological Aspects of UAV-Assisted Post-Disaster Wireless Communication Networks. <i>IEEE Communications Magazine</i> , 2021 , 59, 59-64	9.1	4
1337	Exploiting Wind-Turbine-Mounted Base Stations to Enhance Rural Connectivity. <i>IEEE Communications Magazine</i> , 2021 , 59, 50-56	9.1	
1336	Aerial Base Station Deployment in 6G Cellular Networks Using Tethered Drones: The Mobility and Endurance Tradeoff. <i>IEEE Vehicular Technology Magazine</i> , 2020 , 15, 103-111	9.9	41
1335	Topology Optimization for 6G Networks: A Network Information-Theoretic Approach. <i>IEEE Vehicular Technology Magazine</i> , 2020 , 15, 83-92	9.9	7
1334	. <i>IEEE Vehicular Technology Magazine</i> , 2020 , 15, 33-42	9.9	30
1333	A Journey From Improper Gaussian Signaling to Asymmetric Signaling. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 1539-1591	37.1	12
1332	A CNN-Based Structured Light Communication Scheme for Internet of Underwater Things Applications. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 10038-10047	10.7	9

1331	On the Performance Analysis of Higher Order QAM Schemes Over Mixed RF/FSO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 7366-7378	6.8	18
1330	Asymptotic Max-Min SINR Analysis of Reconfigurable Intelligent Surface Assisted MISO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 7748-7764	9.6	157
1329	Interference Management in NOMA-Based Fog-Radio Access Networks via Scheduling and Power Allocation. <i>IEEE Transactions on Communications</i> , 2020 , 68, 5056-5071	6.9	11
1328	Improvement of the Global Connectivity Using Integrated Satellite-Airborne-Terrestrial Networks With Resource Optimization. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 5088-5100	9.6	19
1327	Amount of Secrecy Loss: A Novel Metric for Physical Layer Security Analysis. <i>IEEE Communications Letters</i> , 2020 , 24, 1626-1630	3.8	3
1326	Energy-Efficient Fixed-Gain AF Relay Assisted OFDM With Index Modulation. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1509-1513	5.9	1
1325	Amplitude-Coherent Detection for Optical Wireless Communications: Opportunities and Limitations. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 550-562	6.7	7
1324	Classes of Full-Duplex Channels With Capacity Achieved Without Adaptation. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4141-4149	6.9	1
1323	Latency-Aware Offloading in Integrated Satellite Terrestrial Networks. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 490-500	6.7	16
1322	Aqua-Fi: Delivering Internet Underwater Using Wireless Optical Networks. <i>IEEE Communications Magazine</i> , 2020 , 58, 84-89	9.1	12
1321	Next Generation Terahertz Communications: A Rendezvous of Sensing, Imaging, and Localization. <i>IEEE Communications Magazine</i> , 2020 , 58, 69-75	9.1	95
1320	Joint Reflecting and Precoding Designs for SER Minimization in Reconfigurable Intelligent Surfaces Assisted MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 5561-5574	9.6	60
1319	On the Secrecy of UAV Systems With Linear Trajectory. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 6277-6288	9.6	11
1318	Securing Multi-User Broadcast Wiretap Channels With Finite CSI Feedback. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 4468-4488	2.8	0
1317	Analog Versus Hybrid Precoding for Multiuser Massive MIMO With Quantized CSI Feedback. <i>IEEE Communications Letters</i> , 2020 , 24, 2319-2323	3.8	3
1316	Mode Selection and Power Allocation in Multi-Level Cache-Enabled Networks. <i>IEEE Communications Letters</i> , 2020 , 24, 1789-1793	3.8	4
1315	Secrecy Outage Analysis for Satellite-Terrestrial Downlink Transmissions. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1643-1647	5.9	6
1314	Residual Clipping Noise in Multi-Layer Optical OFDM: Modeling, Analysis, and Applications. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 5846-5859	9.6	3

1313	Modeling of Viral Aerosol Transmission and Detection. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4859-4873	6.9	19
1312	On robust spectrum sensing using M-estimators of covariance matrix. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	2
1311	Risk Convergence of Centered Kernel Ridge Regression With Large Dimensional Data. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 1574-1588	4.8	1
1310	Impact of Wireless-Powered Communications in Coexisting Mobile Networks. <i>IEEE Wireless Communications Letters</i> , 2020 , 1-1	5.9	3
1309	. <i>Proceedings of the IEEE</i> , 2020 , 108, 533-582	14.3	100
1308	Asymptotic Capacity for MIMO Communications With Insufficient Radio Frequency Chains. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4190-4201	6.9	3
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754	On the performance of millimeter wave-based RF-FSO links with HARQ feedback 2016 ,		8
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