

# Mohamed-Slim Alouini

## List of Articles by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Random Access Protocols in Direct-Access LEO Satellite-Based IoT Communication. IEEE Communications Surveys and Tutorials, 2025, 27, 426-462.	34.6	44
2	Lidar-Assisted Acquisition of Mobile Airborne FSO Terminals in a GPS-Denied Environment. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 30-46.	4.1	1
3	Distributed Hybrid Active-Passive RIS-Assisted THz Wireless Systems: Performance Analysis and Optimization. IEEE Transactions on Communications, 2025, 73, 1399-1414.	6.2	8
4	Reducing education inequalities through cloud-enabled live-cell biotechnology. Trends in Biotechnology, 2025, 43, 43-60.	8.7	6
5	Enabling Broadband Internet Access in Remote and Rural Communities Using HAP-Based Multi-Hop FSO/RF Transmissions. IEEE Communications Magazine, 2025, 63, 182-188.	3.0	7
6	LoRa Communication for Agriculture 4.0: Opportunities, Challenges, and Future Directions. IEEE Internet of Things Journal, 2025, 12, 1380-1407.	6.9	50
7	Multi-UAV Trajectory Design for Fair and Secure Communication. IEEE Transactions on Cognitive Communications and Networking, 2025, 11, 1966-1980.	5.2	12
8	Enhancing Non-Terrestrial Network Performance With Free Space Optical Links and Intelligent Reflecting Surfaces. IEEE Transactions on Wireless Communications, 2025, 24, 1046-1059.	8.3	8
9	Stochastic Geometry-Based Analysis of Cell-Free Massive MIMO Systems With Aerial Users. IEEE Transactions on Communications, 2025, 73, 5231-5246.	6.2	2
10	Energy-Efficient Optimization in Aerial IAB Networks for Emergency Communications. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 4614-4626.	4.1	7
11	UCODENs: Underwater Collaborative Detection Networks. IEEE Open Journal of the Communications Society, 2025, 6, 77-89.	4.7	3
12	System Design and Parameter Optimization for Remote Coverage From NOMA-Based High-Altitude Platform Stations (HAPS). IEEE Transactions on Wireless Communications, 2025, 24, 1387-1400.	8.3	6
13	Near-Field Analysis of Extremely Large-Scale MIMO: Power, Correlation, and User Selection. IEEE Open Journal of the Communications Society, 2025, 6, 252-270.	4.7	3
14	On Error Rate Reduction in Sub-Diffusion-Based Mobile Molecular Communication. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2025, 11, 107-115.	1.5	0
15	Leveraging Large Language Models for Integrated Satellite-Aerial-Terrestrial Networks: Recent Advances and Future Directions. IEEE Open Journal of the Communications Society, 2025, 6, 399-432.	4.7	35
16	A Novel Approach to Approximating Generalized Pointing Errors Modeled by Beckmann Distribution in FSO Communication Systems. IEEE Open Journal of the Communications Society, 2025, 6, 727-741.	4.7	3
17	Gradient Compression and Correlation Driven Federated Learning for Wireless Traffic Prediction. IEEE Transactions on Cognitive Communications and Networking, 2025, 11, 2246-2258.	5.2	21
18	Free Space Optical Mesh Networks: A Survey. IEEE Open Journal of the Communications Society, 2025, 6, 642-655.	4.7	8

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19	DFRC Signaling Strategies Based on MIMO Beampattern Invariance. IEEE Transactions on Communications, 2025, 73, 7784-7798.	6.2	2
20	3-D Position Optimization of Solar-Powered Hovering UAV Relay in Optical Wireless Backhaul. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 5853-5870.	4.1	2
21	Stochastic Differential Equations for Performance Analysis of Wireless Communication Systems. IEEE Transactions on Wireless Communications, 2025, 24, 4040-4054.	8.3	2
22	Deep Compressed Sensing for Terahertz Ultra-Massive MIMO Channel Estimation. IEEE Open Journal of the Communications Society, 2025, 6, 1747-1762.	4.7	2
23	AUV Trajectory Learning for Underwater Acoustic Energy Transfer and Age Minimization. IEEE Internet of Things Journal, 2025, 12, 20435-20447.	6.9	0
24	Reflect-and-Amplify: A Novel SWIPT Technique Through Hybrid Active/Passive RIS. IEEE Internet of Things Journal, 2025, 12, 22073-22089.	6.9	2
25	Velocity-Aware Statistical Analysis of Peak Aol for Ground and Aerial Users. IEEE Transactions on Vehicular Technology, 2025, 74, 12799-12812.	5.7	1
26	Aerial-Terrestrial Heterogeneous Networks for Urban Air Mobility: A Performance Analysis. IEEE Open Journal of Vehicular Technology, 2025, 6, 912-926.	3.5	3
27	A Generalized Pointing Error Model for FSO Links With Fixed-Wing UAVs for 6G: Analysis and Trajectory Optimization. IEEE Transactions on Wireless Communications, 2025, 24, 5723-5737.	8.3	9
28	Coverage Analysis of Large-Scale HAPS Networks Using Directional Beams. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 9260-9275.	4.1	4
29	Satellite-Terrestrial Routing or Intersatellite Routing? A Stochastic Geometry Perspective. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 8770-8786.	4.1	2
30	Generalized Code-Frequency-Space Index Modulation: A Next-Generation Green Communication Solution. IEEE Transactions on Wireless Communications, 2025, 24, 5990-6005.	8.3	2
31	Connectivity of LEO Satellite Mega Constellations: An Application of Percolation Theory on a Sphere. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 11038-11052.	4.1	2
32	Semantic Meta-Split Learning: A TinyML Scheme for Few-Shot Wireless Image Classification. , 2025, 3, 491-501.		2
33	RIS-Assisted Wideband Beamforming for Near-Field Terahertz Systems. IEEE Transactions on Wireless Communications, 2025, 24, 7252-7268.	8.3	1
34	An Overview of Performance Analysis and Optimization in Coexisting Satellites and Future Terrestrial Networks. IEEE Open Journal of the Communications Society, 2025, 6, 3834-3852.	4.7	5
35	Super-LoRa: Enhancing LoRa Throughput via Payload Superposition. IEEE Internet of Things Journal, 2025, 12, 26444-26455.	6.9	4
36	Modeling and Analysis of Non-Terrestrial Networks by Spherical Stochastic Geometry: A Survey. IEEE Communications Surveys and Tutorials, 2025, 28, 1879-1905.	34.6	7

#	ARTICLE	IF	CITATIONS
37	D <sup>3</sup> QN-Based IAB Resource Allocation and Tethered UAV Positioning for IoT Networks. IEEE Transactions on Intelligent Transportation Systems, 2025, 26, 6276-6287.	7.8	7
38	Extended Road-Aware Line-of-Sight Probability Model for Urban Air Mobility. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 15014-15020.	4.1	1
39	Exploiting tethered and untethered UAVs: a hybrid aerial communication system. Scientific Reports, 2025, 15, .	3.4	4
40	Measuring 5G Exposure From Multiple Terminals and Base Station in Standalone FWA Networks. IEEE Access, 2025, 13, 87438-87461.	3.0	1
41	LDM-Based Communication and Computation Co-Design in Integrated Satellite and Aerial Networks. IEEE Transactions on Communications, 2025, 73, 10230-10245.	6.2	1
42	Analyzing Localizability of LEO/MEO Hybrid Networks: A Stochastic Geometry Approach. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 10720-10736.	4.1	1
43	Performance Analysis of Infrastructure Sharing Techniques in Cellular Networks: A Percolation Theory Approach. IEEE Transactions on Vehicular Technology, 2025, 74, 16295-16309.	5.7	2
44	Multihop Subterahertz Free Space Optics: A Technique for High-Rate Uninterrupted Backhauling in 6G. IEEE Vehicular Technology Magazine, 2025, 20, 95-103.	2.6	2
45	Physical Layer Security for LEO Satellite Communication Systems With Friendly Jamming Satellite. IEEE Transactions on Wireless Communications, 2025, 24, 9018-9034.	8.3	0
46	Terahertz Band UAV Base Stations for Post-Disaster Communication. IEEE Open Journal of the Communications Society, 2025, 6, 4788-4803.	4.7	3
47	Design and Optimization of Two-Stage Bias Control for DD-MZM-Based Coherent Optical Modulation. Journal of Lightwave Technology, 2025, 43, 7035-7048.	3.5	1
48	Aerial Relay to Achieve Coverttness and Secrecy. IEEE Transactions on Vehicular Technology, 2025, 74, 17265-17276.	5.7	0
49	Age and Power Minimization via Meta-Deep Reinforcement Learning in AAV Networks. IEEE Transactions on Vehicular Technology, 2025, 74, 16839-16849.	5.7	1
50	RIS-Based DOA Estimation for Communication-Assisted Sensing Systems Under Hardware Impairments. IEEE Open Journal of Vehicular Technology, 2025, 6, 1736-1748.	3.5	1
51	Orthogonality Analysis in LoRa Uplink Satellite Communications Affected by Doppler Effect. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 13434-13448.	4.1	3
52	Robust Beam Control for Terahertz Drone Networks. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 13474-13487.	4.1	1
53	Connectivity of HAPS-Based Solutions for Large-Scale Wireless Networks: A Percolation Theory Analysis. IEEE Internet of Things Journal, 2025, 12, 37355-37370.	6.9	0
54	Trajectory Optimization for Maximization of Laser Power Transfer to a Mobile UAV Through Turbulent Atmosphere. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 13348-13362.	4.1	0

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55	Design of Frequency Index Modulated Waveforms for Integrated SAR and Communication on High-Altitude Platforms (HAPs). IEEE Transactions on Communications, 2025, 73, 12869-12883.	6.2	1
56	RSS-Based Localization Techniques With Large-Scale Experimental Evaluation. IEEE Transactions on Vehicular Technology, 2025, 75, 1295-1309.	5.7	1
57	Target Localization With Unknown Transmit Power Using Rank-One Semidefinite Programming. IEEE Wireless Communications Letters, 2025, 14, 3450-3454.	4.2	1
58	Jamming Intrusions in Extreme Bandwidth Communication: A Comprehensive Overview. IEEE Open Journal of the Communications Society, 2025, 6, 7125-7149.	4.7	8
59	Performance Analysis of SAGIN From the Relay Perspective: A Spherical Stochastic Geometry Approach. IEEE Transactions on Aerospace and Electronic Systems, 2025, 61, 16313-16326.	4.1	0
60	Asymptotic Analysis of One-Bit Quantized Box-Constrained Precoding in Large-Scale Multi-User Systems. IEEE Journal on Selected Topics in Signal Processing, 2025, 19, 1118-1132.	7.8	1
61	High Altitude Platform-Based Caching and Multicasting for Rural Connectivity. IEEE Transactions on Vehicular Technology, 2025, 75, 604-616.	5.7	0
62	Coexistence of Radio Altimeters and 5G Networks: Modeling, Analysis, and Design. IEEE Transactions on Wireless Communications, 2025, 25, 2109-2121.	8.3	0
63	Fundamental Limits via CRB of Semi-Blind Channel Estimation in Massive MIMO Systems. IEEE Transactions on Signal Processing, 2025, 73, 3572-3587.	4.3	0
64	Performance Analysis of Joint Antenna Selection and Precoding Methods in Multi-User Massive MISO. IEEE Transactions on Information Theory, 2025, 71, 8099-8148.	2.0	1
65	STAR-RISs Versus Full-Duplex Decode-and-Forward Relaying: Which is Better?. IEEE Communications Letters, 2025, 29, 2556-2560.	3.4	0
66	Dominance of Smartphone Exposure in 5G Mobile Networks. IEEE Transactions on Mobile Computing, 2024, 23, 2284-2302.	6.8	14
67	Reliable Terabits Feeder Link for Very High-Throughput Satellite Systems with SAG-FSO Transmission. IEEE Wireless Communications, 2024, 31, 112-116.	5.2	20
68	Performance Analysis of RIS-Aided THz Wireless Systems Over $\hat{\alpha}\hat{\beta}^{\gamma}$ Fading: An Approximate Closed-Form Approach. IEEE Internet of Things Journal, 2024, 11, 1328-1343.	6.9	27
69	Multi-Band Wireless Networks: Architectures, Challenges, and Comparative Analysis. IEEE Communications Magazine, 2024, 62, 80-86.	3.0	17
70	Reliability Analysis of Multi-Hop Routing in Multi-Tier LEO Satellite Networks. IEEE Transactions on Wireless Communications, 2024, 23, 1959-1973.	8.3	27
71	Intelligent Reflecting Surfaces Assisted Hyperloop Wireless Communication Network. IEEE Transactions on Mobile Computing, 2024, 23, 4943-4955.	6.8	6
72	Beampattern-Invariant MIMO Covariance Matrices: Synthesis and Applications. IEEE Transactions on Wireless Communications, 2024, 23, 2440-2452.	8.3	1

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73	Deployment Optimization of Tethered Drone-Assisted Integrated Access and Backhaul Networks. IEEE Transactions on Wireless Communications, 2024, 23, 2668-2680.	8.3	15
74	Coverage Analysis and Trajectory Optimization for Aerial Users With Dedicated Cellular Infrastructure. IEEE Transactions on Wireless Communications, 2024, 23, 3042-3056.	8.3	12
75	Precoding for High-Throughput Satellite Communication Systems: A Survey. IEEE Communications Surveys and Tutorials, 2024, 26, 80-118.	34.6	28
76	On the Peak Aol of UAV-Assisted IoT Networks: A Stochastic Geometry Approach. IEEE Internet of Things Journal, 2024, 11, 8676-8689.	6.9	10
77	Stochastic Geometry-Based Trajectory Design for Multi-Purpose UAVs: Package and Data Delivery. IEEE Transactions on Vehicular Technology, 2024, 73, 4136-4150.	5.7	13
78	On the Outage Performance of Space-Air-Ground Integrated Networks in the 3D Poisson Field. IEEE Transactions on Vehicular Technology, 2024, 73, 4401-4406.	5.7	10
79	Earth-to-HAP FSO Communication With Spatial Diversity and Channel Correlation. IEEE Transactions on Aerospace and Electronic Systems, 2024, 60, 304-319.	4.1	6
80	Joint User Association and Beamforming in Integrated Satellite-HAPS-Ground Networks. IEEE Transactions on Vehicular Technology, 2024, 73, 5162-5178.	5.7	30
81	Aerial-Aided mmWave VANETs Using NOMA: Performance Analysis, Comparison, and Insights. IEEE Transactions on Vehicular Technology, 2024, 73, 4742-4758.	5.7	18
82	A Unified Method for Asymptotic Outage Analysis. IEEE Wireless Communications Letters, 2024, 13, 545-549.	4.2	2
83	A Tutorial-Cum-Survey on Percolation Theory With Applications in Large-Scale Wireless Networks. IEEE Communications Surveys and Tutorials, 2024, 26, 428-460.	34.6	11
84	Correlation of Line-of-Sight Probabilities in Aerial-Terrestrial Communications: Modeling, Analysis, and Application. IEEE Transactions on Vehicular Technology, 2024, 73, 7049-7065.	5.7	10
85	Terrain-Based Coverage Manifold Estimation: Machine Learning, Stochastic Geometry, or Simulation?. IEEE Open Journal of the Communications Society, 2024, 5, 633-648.	4.7	3
86	Outage Probability Analysis of Uplink Cell-Free Massive MIMO Network With and Without Pilot Contamination. IEEE Open Journal of the Communications Society, 2024, 5, 168-184.	4.7	9
87	Energy Efficient Deployment of VLC-Enabled UAV Using Particle Swarm Optimization. IEEE Open Journal of the Communications Society, 2024, 5, 553-565.	4.7	20
88	Equitable 6G Access Service Via Cloud-Enabled HAPS for Optimizing Hybrid Air-Ground Networks. IEEE Transactions on Communications, 2024, 72, 2959-2973.	6.2	8
89	Performance Evaluation of RF-Powered IoT in Rural Areas: The Wireless Power Digital Divide. IEEE Transactions on Green Communications and Networking, 2024, 8, 716-729.	5.3	5
90	Joint Estimation of Single Target's High Amplitude Difference Doppler Frequencies in FMCW Radar. , 2024, 2, 112-124.		2

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91	Signal Power Maximization and Channel Estimation for mmWave Communication Systems Aided by RIS With Discrete Phase Shifts. IEEE Transactions on Wireless Communications, 2024, 23, 8447-8464.	8.3	4
92	Reliability in Post-Disaster Networks: A Novel Interference-Mitigation Strategy. IEEE Open Journal of Vehicular Technology, 2024, 5, 219-229.	3.5	3
93	Effect of Random Misalignment in the Capacity of Millimeter-Wave OAM. IEEE Open Journal of the Communications Society, 2024, 5, 1141-1154.	4.7	4
94	Terrain-Based UAV Deployment: Providing Coverage for Outdoor Users. IEEE Transactions on Vehicular Technology, 2024, 73, 8988-9002.	5.7	10
95	Near-Perfect Coverage Manifold Estimation in Cellular Networks via Conditional GAN. IEEE Networking Letters, 2024, 6, 97-100.	1.6	1
96	Ultra Reliable Low Latency Routing in LEO Satellite Constellations: A Stochastic Geometry Approach. IEEE Journal on Selected Areas in Communications, 2024, 42, 1231-1245.	11.0	29
97	Multi-Band Wireless Communication Networks: Fundamentals, Challenges, and Resource Allocation. IEEE Transactions on Communications, 2024, 72, 4333-4383.	6.2	46
98	Improved Angle-of-Arrival Estimation of Narrow Gaussian Beams for Mobile FSO Platforms. IEEE Transactions on Aerospace and Electronic Systems, 2024, 60, 2778-2790.	4.1	5
99	On Secure mmWave RSMA Systems. IEEE Internet of Things Journal, 2024, 11, 18917-18929.	6.9	9
100	Probabilistic Constellation Shaping for Enhancing Spectral Efficiency in NOMA VLC Systems. IEEE Transactions on Wireless Communications, 2024, 23, 9958-9971.	8.3	12
101	Improving Performance of Integrated Ground-HAPS FSO Communication Links With MIMO Application. IEEE Photonics Journal, 2024, 16, 1-14.	1.8	9
102	On the Performance of Interference-Based Energy-Harvesting-Enabled Wireless AF Relaying Communication Systems. IEEE Open Journal of Vehicular Technology, 2024, 5, 440-458.	3.5	1
103	Stochastic Geometry-Based Uplink Performance Analysis of IoT Over LEO Satellite Communication. IEEE Transactions on Aerospace and Electronic Systems, 2024, 60, 4198-4213.	4.1	40
104	DDPG-Based Aerial Secure Data Collection. IEEE Transactions on Communications, 2024, 72, 5179-5193.	6.2	11
105	Trajectory and Power Design for Aerial Multi-User Covert Communications. IEEE Transactions on Aerospace and Electronic Systems, 2024, 60, 4574-4589.	4.1	14
106	Dynamic charging as a complementary approach in modern EV charging infrastructure. Scientific Reports, 2024, 14, .	3.4	20
107	Cellular Network From the Sky: Toward People-Centered Smart Communities. IEEE Open Journal of the Communications Society, 2024, 5, 1916-1936.	4.7	15
108	Performance Analysis of Mixed Underwater Acoustic/Optical Relaying Systems. IEEE Transactions on Wireless Communications, 2024, 23, 11357-11371.	8.3	14

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109	Exploring UAV Networking From the Terrain Information Completeness Perspective: A Tutorial. IEEE Open Journal of Vehicular Technology, 2024, 5, 620-631.	3.5	2
110	Sum Rate and Fairness Optimization in RIS-Assisted VLC Systems. IEEE Open Journal of the Communications Society, 2024, 5, 2555-2566.	4.7	23
111	Unveiling Passive and Active EMF Exposure in Large-Scale Cellular Networks. IEEE Open Journal of the Communications Society, 2024, 5, 2991-3006.	4.7	12
112	Coded Frequency Hopping for Direct-to-Satellite IoT Systems: Design and Analysis. IEEE Internet of Things Journal, 2024, 11, 36335-36349.	6.9	16
113	On Performance of Integrated Satellite HAPS Ground Communication: Aerial IRS Node vs Terrestrial IRS Node. IEEE Open Journal of the Communications Society, 2024, 5, 3775-3791.	4.7	12
114	Discovering the Unseen: Radar-Based Estimation of Heartbeat, Breathing Rate, and Underlying Muscle Expansion Without Probes. , 2024, 2, 594-606.		2
115	High-Rate Reliable Communication Using Multi-Hop and Mesh THz/FSO Networks. IEEE Open Journal of the Communications Society, 2024, 5, 3804-3823.	4.7	12
116	Influence of Digital Terrain Data Accuracy on Diffraction Prediction in NLOS Wireless Backhauls. IEEE Transactions on Vehicular Technology, 2024, 73, 14159-14171.	5.7	0
117	Performance Analysis and Optimal Resource Allocation for Large Scale Joint Sensing and Communication. IEEE Transactions on Wireless Communications, 2024, 23, 14350-14364.	8.3	8
118	RIS-Embedded UAVs Communications for Multi-Hop Fully-FSO Backhaul Links in 6G Networks. IEEE Transactions on Vehicular Technology, 2024, 73, 14143-14158.	5.7	13
119	Freshness-Aware Energy Efficiency Optimization for Integrated Access and Backhaul Networks. IEEE Transactions on Wireless Communications, 2024, 23, 14715-14728.	8.3	3
120	Maximizing Uplink Data Transmission of LEO-Satellite-Based Wireless-Powered IoT. IEEE Internet of Things Journal, 2024, 11, 28975-28987.	6.9	8
121	End-to-End Uplink Performance Analysis of Satellite-Based IoT Networks: A Stochastic Geometry Approach. IEEE Open Journal of the Communications Society, 2024, 5, 4036-4045.	4.7	12
122	Dynamic Caching in Space Over Heterogeneous Mega-Constellations: A DRL-Guided Approach. IEEE Transactions on Aerospace and Electronic Systems, 2024, 60, 8136-8148.	4.1	5
123	Roadmap on optical communications. Journal of Optics (United Kingdom), 2024, 26, 093001.	2.6	74
124	Enhancing Physical-Layer Security in LEO Satellite-Enabled IoT Network Communications. IEEE Internet of Things Journal, 2024, 11, 33967-33979.	6.9	23
125	Trajectory and Power Design for Aerial CRNs With Colluding Eavesdroppers. IEEE Transactions on Vehicular Technology, 2024, 73, 18824-18833.	5.7	4
126	System-Level Metrics for Non-Terrestrial Networks Under Stochastic Geometry Framework. IEEE Communications Magazine, 2024, 62, 148-154.	3.0	6

#	ARTICLE	IF	CITATIONS
127	Optimal Photodetector Size for High-Speed Free-Space Optics Receivers. IEEE Transactions on Wireless Communications, 2024, 23, 16390-16403.	8.3	4
128	Experimental Validation of Cooperative RSS-Based Localization With Unknown Transmit Power, Path Loss Exponent, and Precise Anchor Location. IEEE Transactions on Wireless Communications, 2024, 23, 16482-16497.	8.3	12
129	Reconfigurable MIMO-based self-powered battery-less light communication system. Light: Science and Applications, 2024, 13, .	19.9	13
130	Performance Analysis of Outdoor THz Links Under Mixture Gamma Fading With Misalignment. IEEE Communications Letters, 2024, 28, 2668-2672.	3.4	8
131	Optimizing Air-Borne Network-in-a-Box Deployment for Efficient Remote Coverage. IEEE Internet of Things Journal, 2024, 11, 38728-38743.	6.9	3
132	MIMO Capacity Maximization With a Practical Model for Reconfigurable Intelligent Surfaces. IEEE Wireless Communications Letters, 2024, 13, 3330-3334.	4.2	1
133	Enhancement of Handover Management Through Reconfigurable Intelligent Surfaces in a 3D Ground-Aerial-Space Network Scenario. IEEE Transactions on Wireless Communications, 2024, 23, 18637-18652.	8.3	4
134	Unleashing the Potential of Aerial RISs in Post-Disaster Scenarios. IEEE Internet of Things Magazine, 2024, 7, 88-93.	2.1	4
135	The Road to 6G: Driving the Next Wave of Connectivityâ€”Part I [Scanning the Issue]. Proceedings of the IEEE, 2024, 112, 615-620.	9.5	1
136	Optimizing Power Allocation in HAPs Assisted LEO Satellite Communications. , 2024, 2, 1661-1677.		10
137	Space-Air-Ground Integrated Wireless Networks for 6G: Basics, Key Technologies, and Future Trends. IEEE Journal on Selected Areas in Communications, 2024, 42, 3327-3354.	11.0	89
138	Interference Mitigation in Coexisting Satellites and Cloud-Assisted Ground Networks in the mmWave Band. IEEE Open Journal of the Communications Society, 2024, 5, 7483-7497.	4.7	3
139	Guest Editorial Integrated Ground-Air-Space Wireless Networks for 6G Mobileâ€”Part I. IEEE Journal on Selected Areas in Communications, 2024, 42, 3323-3326.	11.0	0
140	NOMA as the Next-Generation Multiple Access in Nonterrestrial Networks. Proceedings of the IEEE, 2024, 112, 1303-1345.	9.5	21
141	A Power Saving Scheme for IEEE 802.15.3d THz Wireless Communication Links. IEEE Transactions on Mobile Computing, 2023, 22, 1912-1921.	6.8	9
142	Computation Offloading and Service Caching in Heterogeneous MEC Wireless Networks. IEEE Transactions on Mobile Computing, 2023, 22, 3241-3256.	6.8	29
143	Terahertz-band Non-orthogonal Multiple Access: System- and Link-level Considerations. IEEE Wireless Communications, 2023, 30, 142-149.	5.2	20
144	BER Reduction Using Partial-Elements Selection in IRS-UAV Communications With Imperfect Phase Compensation. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 623-633.	4.1	13

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145	Laser-Powered UAVs for Wireless Communication Coverage: A Large-Scale Deployment Strategy. IEEE Transactions on Wireless Communications, 2023, 22, 518-533.	8.3	36
146	Cooperative Satellite-Aerial-Terrestrial Systems: A Stochastic Geometry Model. IEEE Transactions on Wireless Communications, 2023, 22, 220-236.	8.3	40
147	Dedicating Cellular Infrastructure for Aerial Users: Advantages and Potential Impact on Ground Users. IEEE Transactions on Wireless Communications, 2023, 22, 2523-2535.	8.3	15
148	A Game-Theoretic Framework for Coexistence of WiFi and Cellular Networks in the 6-GHz Unlicensed Spectrum. IEEE Transactions on Cognitive Communications and Networking, 2023, 9, 239-251.	5.2	23
149	Maritime Communications: A Survey on Enabling Technologies, Opportunities, and Challenges. IEEE Internet of Things Journal, 2023, 10, 3525-3547.	6.9	206
150	Energy Optimization of a Laser-Powered Hovering-UAV Relay in Optical Wireless Backhaul. IEEE Transactions on Wireless Communications, 2023, 22, 3216-3230.	8.3	22
151	Stochastic-Geometry-Based Analysis of Multipurpose UAVs for Package and Data Delivery. IEEE Internet of Things Journal, 2023, 10, 4664-4676.	6.9	30
152	Performance Analysis of Charging Infrastructure Sharing in UAV and EV-Involved Networks. IEEE Transactions on Vehicular Technology, 2023, 72, 3973-3988.	5.7	16
153	Coexisting Terahertz and RF Finite Wireless Networks: Coverage and Rate Analysis. IEEE Transactions on Wireless Communications, 2023, 22, 4873-4889.	8.3	13
154	On Secure CDRT With NOMA and Physical-Layer Network Coding. IEEE Transactions on Communications, 2023, 71, 381-396.	6.2	21
155	Hybrid FSO/THz-Based Backhaul Network for mmWave Terrestrial Communication. IEEE Transactions on Wireless Communications, 2023, 22, 4342-4359.	8.3	64
156	Energy Efficiency Analysis of Charging Pads-Powered UAV-Enabled Wireless Networks. IEEE Transactions on Wireless Communications, 2023, 22, 4683-4697.	8.3	8
157	Outage Analysis of Millimeter Wave RSMA Systems. IEEE Transactions on Communications, 2023, 71, 1504-1520.	6.2	24
158	Space-Air-Ground-Sea Integrated Networks: Modeling and Coverage Analysis. IEEE Transactions on Wireless Communications, 2023, 22, 6298-6313.	8.3	77
159	Rate-Splitting Multiple Access for Uplink Massive MIMO With Electromagnetic Exposure Constraints. IEEE Journal on Selected Areas in Communications, 2023, 41, 1383-1397.	11.0	22
160	On the Uplink SINR Meta Distribution of UAV-Assisted Wireless Networks. IEEE Wireless Communications Letters, 2023, 12, 684-688.	4.2	17
161	Rate-Splitting and Common Message Decoding in Hybrid Cloud/Mobile Edge Computing Networks. IEEE Journal on Selected Areas in Communications, 2023, 41, 1566-1583.	11.0	15
162	Satellite-Aerial Communications With Multi-Aircraft Interference. IEEE Transactions on Wireless Communications, 2023, 22, 7008-7024.	8.3	17

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163	Three-Hop Underwater Wireless Communications: A Novel Relay Deployment Technique. IEEE Internet of Things Journal, 2023, 10, 13354-13369.	6.9	17
164	HAPS Based FSO Links Performance Analysis and Improvement With Adaptive Optics Correction. IEEE Transactions on Wireless Communications, 2023, 22, 4916-4929.	8.3	30
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