Min Lin

List of Publications by Year
in descending order

118 papers	4,462 citations	87888 38 h-index	106344 65 g-index
119 all docs	119 docs citations	119 times ranked	2983 citing authors

#	Article	IF	Citations
1	Energy Harvesting in Overlay Cognitive NOMA Systems With Hardware Impairments. IEEE Systems Journal, 2022, 16, 2648-2659.	4.6	17
2	Joint Optimization of Transmission and Computation Resources for Satellite and High Altitude Platform Assisted Edge Computing. IEEE Transactions on Wireless Communications, 2022, 21, 1362-1377.	9.2	40
3	Ergodic sum rate for uplink NOMA transmission in satellite-aerial-ground integrated networks. Chinese Journal of Aeronautics, 2022, 35, 58-70.	5.3	20
4	Robust Beamforming for Enhancing User Fairness in Multibeam Satellite Systems With NOMA. IEEE Transactions on Vehicular Technology, 2022, 71, 1010-1014.	6.3	20
5	Uplink Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay Networks Over Generalized Inhomogeneous Fading Channels. IEEE Transactions on Communications, 2022, 70, 2417-2434.	7.8	5
6	Intelligent Reflecting Surface Assisted mmWave Communication Using Mixed Timescale Channel State Information. IEEE Transactions on Wireless Communications, 2022, 21, 5673-5687.	9.2	4
7	Performance Analysis for Rate Splitting Uplink NOMA Transmission in High Throughput Satellite Systems. IEEE Wireless Communications Letters, 2022, 11, 816-820.	5.0	14
8	Achieving Secrecy Energy Efficiency Fairness in UAV-Enabled Multi-User Communication Systems. IEEE Wireless Communications Letters, 2022, 11, 918-922.	5.0	5
9	Outage Analysis of Multi-Relay NOMA-Based Hybrid Satellite-Terrestrial Relay Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 6469-6487.	6.3	9
10	Intelligent Reflecting Surface Aided Millimeter Wave Communication Using Subarray-Connected Structure. IEEE Transactions on Vehicular Technology, 2022, 71, 5581-5586.	6.3	5
11	Joint MIMO Precoding and Computation Resource Allocation for Dual-Function Radar and Communication Systems With Mobile Edge Computing. IEEE Journal on Selected Areas in Communications, 2022, 40, 2085-2102.	14.0	20
12	Impact of Finite-Resolution Precoding and Limited Feedback on Rates of IRS Based mmWave Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 5172-5186.	6.3	2
13	Unmanned-Surface-Vehicle-Aided Maritime Data Collection Using Deep Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 19773-19786.	8.7	12
14	Beamforming Design and Performance Analysis for Satellite and UAV Integrated Networks in IoRT Applications. IEEE Internet of Things Journal, 2022, 9, 14965-14977.	8.7	13
15	Robust Secure Energy Efficient Beamforming for mmWave UAV Communications With Jittering. IEEE Communications Letters, 2022, 26, 1638-1642.	4.1	7
16	Combined Robust Beamforming With Uplink RSMA for Multibeam Satellite Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 10167-10172.	6.3	4
17	Hybrid Multiple Access Transmission in Satellite-Aerial-Terrestrial Networks. IEEE Communications Letters, 2022, 26, 2146-2150.	4.1	1
18	Multi-IRS-Assisted mmWave MIMO Communication Using Twin-Timescale Channel State Information. IEEE Transactions on Communications, 2022, 70, 6370-6384.	7.8	7

#	Article	IF	Citations
19	Secure Beamforming for Cognitive Satellite Terrestrial Networks With Unknown Eavesdroppers. IEEE Systems Journal, 2021, 15, 2186-2189.	4.6	79
20	Secure and Energy Efficient Transmission for RSMA-Based Cognitive Satellite-Terrestrial Networks. IEEE Wireless Communications Letters, 2021, 10, 251-255.	5.0	137
21	Tight Capacity Bounds for Indoor Visible Light Communications With Signal-Dependent Noise. IEEE Transactions on Wireless Communications, 2021, 20, 1700-1713.	9.2	17
22	Robust Secure Beamforming for Wireless Powered Cognitive Satellite-Terrestrial Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 567-580.	7.9	62
23	Joint Optimization of Trajectory and Communication Resource Allocation for Unmanned Surface Vehicle Enabled Maritime Wireless Networks. IEEE Transactions on Communications, 2021, 69, 8100-8115.	7.8	30
24	Joint MU-MIMO Precoding and Resource Allocation for Mobile-Edge Computing. IEEE Transactions on Wireless Communications, 2021, 20, 1639-1654.	9.2	25
25	Outage Analysis of NOMA-Based Multiple-Antenna Hybrid Satellite-Terrestrial Relay Networks. IEEE Communications Letters, 2021, 25, 1109-1113.	4.1	13
26	Uplink Massive Access in Mixed RF/FSO Satellite-Aerial-Terrestrial Networks. IEEE Transactions on Communications, 2021, 69, 2413-2426.	7.8	55
27	Performance analysis for the forward link of multiuser satellite communication systems. International Journal of Satellite Communications and Networking, 2021, 39, 560-569.	1.8	3
28	Outage of NOMA-Based Hybrid Satellite-Terrestrial Multi-antenna DF Relay Networks. IEEE Wireless Communications Letters, 2021, 10, 1083-1087.	5.0	16
29	On the ergodic sum rate for multisource multidestination unmanned aerial vehicle relaying. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4294.	3.9	1
30	Outage Performance for Optical Feeder Link in Satellite Communications With Diversity Combining. IEEE Wireless Communications Letters, 2021, 10, 1108-1112.	5.0	5
31	Forward link outage performance of aeronautical broadband satellite communications. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 790-801.	2.6	0
32	Outage of NOMA-based Hybrid Satellite-Terrestrial Relay Networks with Switch-and-Stay Combining. , 2021, , .		0
33	Robust Beamforming for Enhancing Security in Multibeam Satellite Systems. IEEE Communications Letters, 2021, 25, 2161-2165.	4.1	9
34	Robust Beamforming and Outage Performance of Uplink Multiuser Satellite-Aerial-Terrestrial Networks With Mixed RF-FSO Channels. IEEE Photonics Journal, 2021, 13, 1-8.	2.0	8
35	Ergodic Capacity of High Throughput Satellite Systems With Mixed FSO-RF Transmission. IEEE Wireless Communications Letters, 2021, 10, 1732-1736.	5.0	5
36	Outage Constrained Robust Secure Beamforming in Cognitive Satellite-Aerial Networks. IEEE Communications Letters, 2021, 25, 2708-2712.	4.1	12

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37	Secrecy-Energy Efficient Hybrid Beamforming for Satellite-Terrestrial Integrated Networks. IEEE Transactions on Communications, 2021, 69, 6345-6360.	7.8	133
38	Transmit diversity and performance analysis for aeronautical broadband satellite communication systems. Physical Communication, 2021, 48, 101424.	2.1	3
39	Performance analysis of mixed FSO-RF transmission in multiuser satellite–aerial–terrestrial networks. Optics Communications, 2021, 496, 127141.	2.1	2
40	Hovering UAV-Based FSO Communications: Channel Modelling, Performance Analysis, and Parameter Optimization. IEEE Journal on Selected Areas in Communications, 2021, 39, 2946-2959.	14.0	42
41	Supporting IoT With Rate-Splitting Multiple Access in Satellite and Aerial-Integrated Networks. IEEE Internet of Things Journal, 2021, 8, 11123-11134.	8.7	243
42	Beamforming and Power Allocation for Uplink NOMA Transmission in Multibeam Satellite Communications With Rate Splitting. , 2021, , .		2
43	Performance Analysis of Integrated Satellite-Terrestrial Multiantenna Relay Networks With Multiuser Scheduling. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2718-2731.	4.7	71
44	On the Performance of NOMA-Assisted Overlay Multiuser Cognitive Satellite-Terrestrial Networks. IEEE Wireless Communications Letters, 2020, 9, 638-642.	5.0	58
45	On the Secrecy Performance of Random VLC Networks With Imperfect CSI and Protected Zone. IEEE Systems Journal, 2020, 14, 4176-4187.	4.6	15
46	Outage Performance for Mixed FSO-RF Transmission in Satellite-Aerial- Terrestrial Networks. IEEE Photonics Technology Letters, 2020, 32, 1349-1352.	2.5	13
47	Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 13098-13111.	6.3	9
48	Outage Performance Analysis and Parameter optimization of Hovering UAV-Based FSO System. , 2020, , .		3
49	Integrated 5G-Satellite Networks: A Perspective on Physical Layer Reliability and Security. IEEE Wireless Communications, 2020, 27, 152-159.	9.0	37
50	Robust Hybrid Beamforming for Satellite-Terrestrial Integrated Networks. , 2020, , .		4
51	Joint Optimization of Transmission Bandwidth Allocation and Data Compression for Mobile-Edge Computing Systems. IEEE Communications Letters, 2020, 24, 2245-2249.	4.1	18
52	Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 9053-9067.	6.3	67
53	Joint Optimization of Offloading and Resources Allocation in Secure Mobile Edge Computing Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 8843-8854.	6.3	33
54	Energy Efficient Beamforming Schemes for Satellite-Aerial-Terrestrial Networks. IEEE Transactions on Communications, 2020, 68, 3863-3875.	7.8	79

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55	Artificial-Noise-Aided Energy-Efficient Secure Beamforming for Multi-Eavesdroppers in Cognitive Radio Networks. IEEE Systems Journal, 2020, 14, 3801-3812.	4.6	14
56	On the secrecy performance of integrated satellite–aerial–terrestrial networks. International Journal of Satellite Communications and Networking, 2020, 38, 314-327.	1.8	6
57	Multiuser Scheduling for Asymmetric FSO/RF Links in Satellite-UAV-Terrestrial Networks. IEEE Wireless Communications Letters, 2020, 9, 1235-1239.	5.0	71
58	A Partially Dynamic Subarrays Structure for Wideband mmWave MIMO Systems. IEEE Transactions on Communications, 2020, 68, 7578-7592.	7.8	36
59	Uplink Transmission in Mixed RF/FSO Satellite-aerial-Terrestrial Networks. , 2020, , .		1
60	Outage Performance of Downlink Coordinated Direct and Relay Transmission with NOMA over Nakagami-m Fading Channels. , 2020, , .		0
61	Combined Beamforming with NOMA for Cognitive Satellite Terrestrial Networks. , 2019, , .		3
62	Outage Probability Analysis for Hybrid Satellite and Terrestrial Network with Different Combining Schemes. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 488-496.	0.3	0
63	On the Secrecy Rate of Spatial Modulation-Based Indoor Visible Light Communications. IEEE Journal on Selected Areas in Communications, 2019, 37, 2087-2101.	14.0	35
64	A Fast Beam Searching Scheme in mmWave Communications for High-Speed Trains. , 2019, , .		19
65	Outage Performance for Multiuser Threshold-Based DF Satellite Relaying. IEEE Access, 2019, 7, 103142-103152.	4.2	9
66	Performance analysis for multi-user integrated satellite and UAV cooperative networks. Physical Communication, 2019, 36, 100762.	2.1	15
67	Robust Multi-Objective Beamforming for Integrated Satellite and High Altitude Platform Network With Imperfect Channel State Information. IEEE Transactions on Signal Processing, 2019, 67, 6384-6396.	5.3	41
68	Visual Tracking Via Multi-Layer Factorized Correlation Filter. IEEE Signal Processing Letters, 2019, 26, 1763-1767.	3.6	1
69	Performance analysis of multiuser dual-hop satellite relaying systems. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	5
70	Joint CoMP Transmission for UAV-Aided Cognitive Satellite Terrestrial Networks. IEEE Access, 2019, 7, 14959-14968.	4.2	39
71	Grayscale-thermal Tracking via Canonical Correlation Analysis Based Inverse Sparse Representation. , 2019, , .		2
72	Robust Secure Beamforming for Multibeam Satellite Communication Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6202-6206.	6.3	53

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73	Joint Beamforming and Power Allocation for Satellite-Terrestrial Integrated Networks With Non-Orthogonal Multiple Access. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 657-670.	10.8	303
74	Partitioned Controller Placement in SDWANs for Reliability Maximization with Latency Constraints. , 2019, , .		3
75	Outage Performance of the Integrated Satellite-Terrestrial Network Based on the SNR Threshold. , 2019, , .		1
76	Outage Performance of Satellite-Aerial-Terrestrial Network. , 2019, , .		1
77	ZF-Based Beamforming for Wireless Powered Cognitive Satellite-Terrestrial Networks. , 2019, , .		5
78	Optimal Altitude of UAV-BS for Minimum Boundary Outage Probability with Imperfect Channel State Information. , 2019, , .		5
79	Secrecy Outage Probability Analysis for Visible Light Communications with SWIPT and Random Terminals. , 2019, , .		4
80	On the Performance of LMS Communication With Hardware Impairments and Interference. IEEE Transactions on Communications, 2019, 67, 1490-1505.	7.8	82
81	Robust Secure Beamforming for 5G Cellular Networks Coexisting With Satellite Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 932-945.	14.0	102
82	Distributed-Relay Beamforming for Secrecy Energy Efficiency With Coordinated Eavesdroppers. IEEE Communications Letters, 2018, 22, 1054-1057.	4.1	11
83	Secure Beamformer Design for Cognitive Satellite Terrestrial Networks. , 2018, , .		2
84	Joint Optimization for Secure WIPT in Satellite-Terrestrial Integrated Networks. , 2018, , .		2
85	Energy Efficient Beamforming for Multi-User Transmission in Cognitive Radio Networks With Secrecy Constraints. IEEE Access, 2018, 6, 74485-74493.	4.2	8
86	ADMM-Based Optimal Power Control for Cognitive Satellite Terrestrial Uplink Networks. IEEE Access, 2018, 6, 64757-64765.	4.2	15
87	Performance Analysis of Dual-Hop Satellite Relaying. , 2018, , .		2
88	Outage Performance of Integrated Satellite-Terrestrial Multi-Antenna Relay Networks. , 2018, , .		5
89	Joint Doppler and Channel Estimation with Nested Arrays for Millimeter Wave Communications. , 2018, , .		5
90	Adaptive Spatial Modulation for Visible Light Communications With an Arbitrary Number of Transmitters. IEEE Access, 2018, 6, 37108-37123.	4.2	28

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91	Physical-Layer Security for Indoor Visible Light Communications: Secrecy Capacity Analysis. IEEE Transactions on Communications, 2018, 66, 6423-6436.	7.8	86
92	Secrecy Performance of Satellite Wiretap Channels With Multi-User Opportunistic Scheduling. IEEE Wireless Communications Letters, 2018, 7, 1054-1057.	5.0	30
93	Joint Beamforming for Secure Communication in Cognitive Satellite Terrestrial Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1017-1029.	14.0	126
94	Secrecy Outage Probability Analysis over Malaga-Malaga Fading Channels. , 2018, , .		7
95	Beamforming for Secure Wireless Information and Power Transfer in Terrestrial Networks Coexisting With Satellite Networks. IEEE Signal Processing Letters, 2018, 25, 1166-1170.	3.6	24
96	Coverage Analysis for Millimeter Wave Cellular Networks With Imperfect Beam Alignment. IEEE Transactions on Vehicular Technology, 2018, 67, 8302-8314.	6.3	55
97	Secrecy performance of hybrid satellite–terrestrial relay networks in the presence of multiple eavesdroppers. IET Communications, 2018, 12, 26-34.	2.2	40
98	Secrecy Energy Efficiency Maximization in Cognitive Radio Networks. IEEE Access, 2017, 5, 2641-2650.	4.2	39
99	Downlink Ergodic Rate Analysis for Virtual Cell Based Cloud Radio Access Networks. IEEE Access, 2017, 5, 13520-13530.	4.2	3
100	Coverage Analysis for Millimeter Wave Cellular Networks with Beam Alignment Errors. , 2017, , .		2
101	Constellation Optimization for Spatial Modulation Based Indoor Optical Wireless Communications. , 2017, , .		5
102	Lanthanide-Doped Nanoparticles for Diagnostic Sensing. Nanomaterials, 2017, 7, 411.	4.1	39
103	Optically active red-emitting Cu nanoclusters originating from complexation and redox reaction between copper(ii) and d/l-penicillamine. Nanoscale, 2016, 8, 9764-9770.	5.6	55
104	Labeling and long-term tracking of bone marrow mesenchymal stem cells in vitro using NaYF4:Yb3+,Er3+ upconversion nanoparticles. Acta Biomaterialia, 2016, 42, 199-208.	8.3	46
105	Secure Transmission in Cognitive Satellite Terrestrial Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 3025-3037.	14.0	277
106	An inner filter effect based sensor of tetracycline hydrochloride as developed by loading photoluminescent carbon nanodots in the electrospun nanofibers. Nanoscale, 2016, 8, 2999-3007.	5.6	194
107	Performance Analysis of MIMO MRC Systems With Feedback Delay and Channel Estimation Error. IEEE Transactions on Vehicular Technology, 2016, 65, 707-717.	6.3	18
108	Outage Performance of Cognitive Hybrid Satellite–Terrestrial Networks With Interference Constraint. IEEE Transactions on Vehicular Technology, 2016, 65, 9397-9404.	6.3	137

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109	Joint Beamforming and Power Control for Device-to-Device Communications Underlaying Cellular Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 138-150.	14.0	93
110	Distance-Dependent Plasmon-Enhanced Fluorescence of Upconversion Nanoparticles using Polyelectrolyte Multilayers as Tunable Spacers. Scientific Reports, 2015, 5, 7779.	3.3	171
111	Histidine-mediated synthesis of chiral fluorescence gold nanoclusters: insight into the origin of nanoscale chirality. RSC Advances, 2015, 5, 61449-61454.	3.6	20
112	Near-infrared light activated delivery platform for cancer therapy. Advances in Colloid and Interface Science, 2015, 226, 123-137.	14.7	42
113	On the Performance of Multiuser Hybrid Satellite-Terrestrial Relay Networks With Opportunistic Scheduling. IEEE Communications Letters, 2015, 19, 1722-1725.	4.1	101
114	Performance Analysis of Multi-Antenna Hybrid Satellite-Terrestrial Relay Networks in the Presence of Interference. IEEE Transactions on Communications, 2015, 63, 4390-4404.	7.8	163
115	Symbol Error Analysis of Hybrid Satellite–Terrestrial Cooperative Networks With Cochannel Interference. IEEE Communications Letters, 2014, 18, 1947-1950.	4.1	90
116	Synthesis of upconversion $NaYF_4$:Yb^{3+},Er^{3+} particles with enhanced luminescent intensity through control of morphology and phase. Journal of Materials Chemistry C, 2014, 2, 3671-3676.	5.5	62
117	Optimal Beamformer Design for Dual-Hop MIMO AF Relay Networks over Rayleigh Fading Channels. IEEE Journal on Selected Areas in Communications, 2012, 30, 1402-1414.	14.0	51
118	An Open-Loop Adaptive Space-Time Transmit Scheme for Correlated Fading Channels. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 147-158.	10.8	38