# 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 | 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 |
| 2 | Secure Transmission in Cognitive Satellite Terrestrial Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 3025-3037. | 14.0 | 277 |
| 3 | 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 |
| 4 | 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 |
| 5 | Distance-Dependent Plasmon-Enhanced Fluorescence of Upconversion Nanoparticles using Polyelectrolyte Multilayers as Tunable Spacers. Scientific Reports, 2015, 5, 7779. | 3.3 | 171 |
| 6 | 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 |
| 7 | Outage Performance of Cognitive Hybrid Satellite–Terrestrial Networks With Interference Constraint. IEEE Transactions on Vehicular Technology, 2016, 65, 9397-9404. | 6.3 | 137 |
| 8 | Secure and Energy Efficient Transmission for RSMA-Based Cognitive Satellite-Terrestrial Networks. IEEE Wireless Communications Letters, 2021, 10, 251-255. | 5.0 | 137 |
| 9 | Secrecy-Energy Efficient Hybrid Beamforming for Satellite-Terrestrial Integrated Networks. IEEE Transactions on Communications, 2021, 69, 6345-6360. | 7.8 | 133 |
| 10 | Joint Beamforming for Secure Communication in Cognitive Satellite Terrestrial Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1017-1029. | 14.0 | 126 |
| 11 | 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 |
| 12 | On the Performance of Multiuser Hybrid Satellite-Terrestrial Relay Networks With Opportunistic Scheduling. IEEE Communications Letters, 2015, 19, 1722-1725. | 4.1 | 101 |
| 13 | 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 |
| 14 | Symbol Error Analysis of Hybrid Satellite–Terrestrial Cooperative Networks With Cochannel Interference. IEEE Communications Letters, 2014, 18, 1947-1950. | 4.1 | 90 |
| 15 | Physical-Layer Security for Indoor Visible Light Communications: Secrecy Capacity Analysis. IEEE Transactions on Communications, 2018, 66, 6423-6436. | 7.8 | 86 |
| 16 | On the Performance of LMS Communication With Hardware Impairments and Interference. IEEE Transactions on Communications, 2019, 67, 1490-1505. | 7.8 | 82 |
| 17 | Energy Efficient Beamforming Schemes for Satellite-Aerial-Terrestrial Networks. IEEE Transactions on Communications, 2020, 68, 3863-3875. | 7.8 | 79 |
| 18 | Secure Beamforming for Cognitive Satellite Terrestrial Networks With Unknown Eavesdroppers. IEEE Systems Journal, 2021, 15, 2186-2189. | 4.6 | 79 |

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|---|---------|-----|-----------|
| 19 | 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 |
| 20 | Multiuser Scheduling for Asymmetric FSO/RF Links in Satellite-UAV-Terrestrial Networks. IEEE Wireless Communications Letters, 2020, 9, 1235-1239. | 5.0 | 71 |
| 21 | Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 9053-9067. | 6.3 | 67 |
| 22 | 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 |
| 23 | Robust Secure Beamforming for Wireless Powered Cognitive Satellite-Terrestrial Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 567-580. | 7.9 | 62 |
| 24 | On the Performance of NOMA-Assisted Overlay Multiuser Cognitive Satellite-Terrestrial Networks. IEEE Wireless Communications Letters, 2020, 9, 638-642. | 5.0 | 58 |
| 25 | 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 |
| 26 | Coverage Analysis for Millimeter Wave Cellular Networks With Imperfect Beam Alignment. IEEE Transactions on Vehicular Technology, 2018, 67, 8302-8314. | 6.3 | 55 |
| 27 | Uplink Massive Access in Mixed RF/FSO Satellite-Aerial-Terrestrial Networks. IEEE Transactions on Communications, 2021, 69, 2413-2426. | 7.8 | 55 |
| 28 | Robust Secure Beamforming for Multibeam Satellite Communication Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6202-6206. | 6.3 | 53 |
| 29 | 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 |
| 30 | Labeling and long-term tracking of bone marrow mesenchymal stem cells in vitro using $NaYF_4$:$Yb^{3+}$,$Er^{3+}$ upconversion nanoparticles. Acta Biomaterialia, 2016, 42, 199-208. | 8.3 | 46 |
| 31 | Near-infrared light activated delivery platform for cancer therapy. Advances in Colloid and Interface Science, 2015, 226, 123-137. | 14.7 | 42 |
| 32 | 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 |
| 33 | 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 |
| 34 | Secrecy performance of hybrid satellite–terrestrial relay networks in the presence of multiple eavesdroppers. IET Communications, 2018, 12, 26-34. | 2.2 | 40 |
| 35 | 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 |
| 36 | Secrecy Energy Efficiency Maximization in Cognitive Radio Networks. IEEE Access, 2017, 5, 2641-2650. | 4.2 | 39 |

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| 37 | Lanthanide-Doped Nanoparticles for Diagnostic Sensing. Nanomaterials, 2017, 7, 411. | 4.1 | 39 |
| 38 | Joint CoMP Transmission for UAV-Aided Cognitive Satellite Terrestrial Networks. IEEE Access, 2019, 7, 14959-14968. | 4.2 | 39 |
| 39 | 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 |
| 40 | Integrated 5G-Satellite Networks: A Perspective on Physical Layer Reliability and Security. IEEE Wireless Communications, 2020, 27, 152-159. | 9.0 | 37 |
| 41 | A Partially Dynamic Subarrays Structure for Wideband mmWave MIMO Systems. IEEE Transactions on Communications, 2020, 68, 7578-7592. | 7.8 | 36 |
| 42 | 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 |
| 43 | 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 |
| 44 | Secrecy Performance of Satellite Wiretap Channels With Multi-User Opportunistic Scheduling. IEEE Wireless Communications Letters, 2018, 7, 1054-1057. | 5.0 | 30 |
| 45 | 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 |
| 46 | Adaptive Spatial Modulation for Visible Light Communications With an Arbitrary Number of Transmitters. IEEE Access, 2018, 6, 37108-37123. | 4.2 | 28 |
| 47 | Joint MU-MIMO Precoding and Resource Allocation for Mobile-Edge Computing. IEEE Transactions on Wireless Communications, 2021, 20, 1639-1654. | 9.2 | 25 |
| 48 | 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 |
| 49 | Histidine-mediated synthesis of chiral fluorescence gold nanoclusters: insight into the origin of nanoscale chirality. RSC Advances, 2015, 5, 61449-61454. | 3.6 | 20 |
| 50 | Ergodic sum rate for uplink NOMA transmission in satellite-aerial-ground integrated networks. Chinese Journal of Aeronautics, 2022, 35, 58-70. | 5.3 | 20 |
| 51 | Robust Beamforming for Enhancing User Fairness in Multibeam Satellite Systems With NOMA. IEEE Transactions on Vehicular Technology, 2022, 71, 1010-1014. | 6.3 | 20 |
| 52 | 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 |
| 53 | A Fast Beam Searching Scheme in mmWave Communications for High-Speed Trains. , 2019, , . | | 19 |
| 54 | 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 |

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| 55 | Joint Optimization of Transmission Bandwidth Allocation and Data Compression for Mobile-Edge Computing Systems. IEEE Communications Letters, 2020, 24, 2245-2249. | 4.1 | 18 |
| 56 | Tight Capacity Bounds for Indoor Visible Light Communications With Signal-Dependent Noise. IEEE Transactions on Wireless Communications, 2021, 20, 1700-1713. | 9.2 | 17 |
| 57 | Energy Harvesting in Overlay Cognitive NOMA Systems With Hardware Impairments. IEEE Systems Journal, 2022, 16, 2648-2659. | 4.6 | 17 |
| 58 | Outage of NOMA-Based Hybrid Satellite-Terrestrial Multi-antenna DF Relay Networks. IEEE Wireless Communications Letters, 2021, 10, 1083-1087. | 5.0 | 16 |
| 59 | ADMM-Based Optimal Power Control for Cognitive Satellite Terrestrial Uplink Networks. IEEE Access, 2018, 6, 64757-64765. | 4.2 | 15 |
| 60 | Performance analysis for multi-user integrated satellite and UAV cooperative networks. Physical Communication, 2019, 36, 100762. | 2.1 | 15 |
| 61 | On the Secrecy Performance of Random VLC Networks With Imperfect CSI and Protected Zone. IEEE Systems Journal, 2020, 14, 4176-4187. | 4.6 | 15 |
| 62 | Artificial-Noise-Aided Energy-Efficient Secure Beamforming for Multi-Eavesdroppers in Cognitive Radio Networks. IEEE Systems Journal, 2020, 14, 3801-3812. | 4.6 | 14 |
| 63 | Performance Analysis for Rate Splitting Uplink NOMA Transmission in High Throughput Satellite Systems. IEEE Wireless Communications Letters, 2022, 11, 816-820. | 5.0 | 14 |
| 64 | Outage Performance for Mixed FSO-RF Transmission in Satellite-Aerial- Terrestrial Networks. IEEE Photonics Technology Letters, 2020, 32, 1349-1352. | 2.5 | 13 |
| 65 | Outage Analysis of NOMA-Based Multiple-Antenna Hybrid Satellite-Terrestrial Relay Networks. IEEE Communications Letters, 2021, 25, 1109-1113. | 4.1 | 13 |
| 66 | 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 |
| 67 | Outage Constrained Robust Secure Beamforming in Cognitive Satellite-Aerial Networks. IEEE Communications Letters, 2021, 25, 2708-2712. | 4.1 | 12 |
| 68 | Unmanned-Surface-Vehicle-Aided Maritime Data Collection Using Deep Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 19773-19786. | 8.7 | 12 |
| 69 | Distributed-Relay Beamforming for Secrecy Energy Efficiency With Coordinated Eavesdroppers. IEEE Communications Letters, 2018, 22, 1054-1057. | 4.1 | 11 |
| 70 | Outage Performance for Multiuser Threshold-Based DF Satellite Relaying. IEEE Access, 2019, 7, 103142-103152. | 4.2 | 9 |
| 71 | Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 13098-13111. | 6.3 | 9 |
| 72 | Robust Beamforming for Enhancing Security in Multibeam Satellite Systems. IEEE Communications Letters, 2021, 25, 2161-2165. | 4.1 | 9 |

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| 73 | Outage Analysis of Multi-Relay NOMA-Based Hybrid Satellite-Terrestrial Relay Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 6469-6487. | 6.3 | 9 |
| 74 | Energy Efficient Beamforming for Multi-User Transmission in Cognitive Radio Networks With Secrecy Constraints. IEEE Access, 2018, 6, 74485-74493. | 4.2 | 8 |
| 75 | 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 |
| 76 | Secrecy Outage Probability Analysis over Malaga-Malaga Fading Channels. , 2018, , . | | 7 |
| 77 | Robust Secure Energy Efficient Beamforming for mmWave UAV Communications With Jittering. IEEE Communications Letters, 2022, 26, 1638-1642. | 4.1 | 7 |
| 78 | Multi-IRS-Assisted mmWave MIMO Communication Using Twin-Timescale Channel State Information. IEEE Transactions on Communications, 2022, 70, 6370-6384. | 7.8 | 7 |
| 79 | On the secrecy performance of integrated satellite–aerial–terrestrial networks. International Journal of Satellite Communications and Networking, 2020, 38, 314-327. | 1.8 | 6 |
| 80 | Constellation Optimization for Spatial Modulation Based Indoor Optical Wireless Communications. , 2017, , . | | 5 |
| 81 | Outage Performance of Integrated Satellite-Terrestrial Multi-Antenna Relay Networks. , 2018, , . | | 5 |
| 82 | Joint Doppler and Channel Estimation with Nested Arrays for Millimeter Wave Communications. , 2018, , . | | 5 |
| 83 | Performance analysis of multiuser dual-hop satellite relaying systems. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, . | 2.4 | 5 |
| 84 | ZF-Based Beamforming for Wireless Powered Cognitive Satellite-Terrestrial Networks. , 2019, , . | | 5 |
| 85 | Optimal Altitude of UAV-BS for Minimum Boundary Outage Probability with Imperfect Channel State Information. , 2019, , . | | 5 |
| 86 | Outage Performance for Optical Feeder Link in Satellite Communications With Diversity Combining. IEEE Wireless Communications Letters, 2021, 10, 1108-1112. | 5.0 | 5 |
| 87 | Ergodic Capacity of High Throughput Satellite Systems With Mixed FSO-RF Transmission. IEEE Wireless Communications Letters, 2021, 10, 1732-1736. | 5.0 | 5 |
| 88 | 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 |
| 89 | Achieving Secrecy Energy Efficiency Fairness in UAV-Enabled Multi-User Communication Systems. IEEE Wireless Communications Letters, 2022, 11, 918-922. | 5.0 | 5 |
| 90 | Intelligent Reflecting Surface Aided Millimeter Wave Communication Using Subarray-Connected Structure. IEEE Transactions on Vehicular Technology, 2022, 71, 5581-5586. | 6.3 | 5 |

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| 91 | Secrecy Outage Probability Analysis for Visible Light Communications with SWIPT and Random Terminals. , 2019, , . | | 4 |
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| 93 | Intelligent Reflecting Surface Assisted mmWave Communication Using Mixed Timescale Channel State Information. IEEE Transactions on Wireless Communications, 2022, 21, 5673-5687. | 9.2 | 4 |
| 94 | Combined Robust Beamforming With Uplink RSMA for Multibeam Satellite Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 10167-10172. | 6.3 | 4 |
| 95 | Downlink Ergodic Rate Analysis for Virtual Cell Based Cloud Radio Access Networks. IEEE Access, 2017, 5, 13520-13530. | 4.2 | 3 |
| 96 | Combined Beamforming with NOMA for Cognitive Satellite Terrestrial Networks. , 2019, , . | | 3 |
| 97 | Partitioned Controller Placement in SDWANs for Reliability Maximization with Latency Constraints. , 2019, , . | | 3 |
| 98 | Outage Performance Analysis and Parameter optimization of Hovering UAV-Based FSO System. , 2020, , . | | 3 |
| 99 | 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 |
| 100 | Transmit diversity and performance analysis for aeronautical broadband satellite communication systems. Physical Communication, 2021, 48, 101424. | 2.1 | 3 |
| 101 | Coverage Analysis for Millimeter Wave Cellular Networks with Beam Alignment Errors. , 2017, , . | | 2 |
| 102 | Secure Beamformer Design for Cognitive Satellite Terrestrial Networks. , 2018, , . | | 2 |
| 103 | Joint Optimization for Secure WIPT in Satellite-Terrestrial Integrated Networks. , 2018, , . | | 2 |
| 104 | Performance Analysis of Dual-Hop Satellite Relaying. , 2018, , . | | 2 |
| 105 | Grayscale-thermal Tracking via Canonical Correlation Analysis Based Inverse Sparse Representation. , 2019, , . | | 2 |
| 106 | Performance analysis of mixed FSO-RF transmission in multiuser satellite–aerial–terrestrial networks. Optics Communications, 2021, 496, 127141. | 2.1 | 2 |
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| 108 | Beamforming and Power Allocation for Uplink NOMA Transmission in Multibeam Satellite Communications With Rate Splitting. , 2021, , . | | 2 |

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| 109 | Visual Tracking Via Multi-Layer Factorized Correlation Filter. IEEE Signal Processing Letters, 2019, 26, 1763-1767. | 3.6 | 1 |
| 110 | Outage Performance of the Integrated Satellite-Terrestrial Network Based on the SNR Threshold. , 2019, , . | | 1 |
| 111 | Outage Performance of Satellite-Aerial-Terrestrial Network. , 2019, , . | | 1 |
| 112 | On the ergodic sum rate for multisource multidestination unmanned aerial vehicle relaying. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4294. | 3.9 | 1 |
| 113 | Uplink Transmission in Mixed RF/FSO Satellite-aerial-Terrestrial Networks. , 2020, , . | | 1 |
| 114 | Hybrid Multiple Access Transmission in Satellite-Aerial-Terrestrial Networks. IEEE Communications Letters, 2022, 26, 2146-2150. | 4.1 | 1 |
| 115 | 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 |
| 116 | Forward link outage performance of aeronautical broadband satellite communications. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 790-801. | 2.6 | 0 |
| 117 | Outage of NOMA-based Hybrid Satellite-Terrestrial Relay Networks with Switch-and-Stay Combining. , 2021, , . | | 0 |
| 118 | Outage Performance of Downlink Coordinated Direct and Relay Transmission with NOMA over Nakagami-m Fading Channels. , 2020, , . | | 0 |