# Yongxu Zhu

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 30 papers | 1,395 citations | 516215 <br> 16 <br> h-index | 676716 <br> 22 <br> g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 1749 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Deep Learning Empowered Task Offloading for Mobile Edge Computing in Urban Informatics. IEEE Internet of Things Journal, 2019, 6, 7635-7647. | 5.5 | 230 |
| 2 | Edge Intelligence and Blockchain Empowered 5G Beyond for the Industrial Internet of Things. IEEE Network, 2019, 33, 12-19. | 4.9 | 213 |
| 3 | A Deep Learning Framework for Optimization of MISO Downlink Beamforming. IEEE Transactions on Communications, 2020, 68, 1866-1880. | 4.9 | 171 |
| 4 | Secure Communications in Millimeter Wave Ad Hoc Networks. IEEE Transactions on Wireless Communications, 2017, 16, 3205-3217. | 6.1 | 133 |
| 5 | Secrecy Rate Analysis of UAV-Enabled mmWave Networks Using MatÃ©rn Hardcore Point Processes. IEEE Journal on Selected Areas in Communications, 2018, 36, 1397-1409. | 9.7 | 121 |
| 6 | Programmable Metasurface-Based Multicast Systems: Design and Analysis. IEEE Journal on Selected Areas in Communications, 2020, 38, 1763-1776. | 9.7 | 77 |
| 7 | A Novel Optimal Mapping Algorithm With Less Computational Complexity for Virtual Network Embedding. IEEE Transactions on Network and Service Management, 2018, 15, 356-371. | 3.2 | 72 |
| 8 | Wireless Power Transfer in Massive MIMO-Aided HetNets With User Association. IEEE Transactions on Communications, 2016, 64, 4181-4195. | 4.9 | 49 |
| 9 | Stochastic Geometry Analysis of Large Intelligent Surface-Assisted Millimeter Wave Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 1749-1762. | 9.7 | 47 |
| 10 | On the Uplink Achievable Rate of Massive MIMO System with Low-Resolution ADC and RF Impairments. IEEE Communications Letters, 2019, 23, 502-505. | 2.5 | 43 |
| 11 | A Efficient Mapping Algorithm With Novel Node-Ranking Approach for Embedding Virtual Networks. IEEE Access, 2017, 5, 22054-22066. | 2.6 | 38 |
| 12 | Content Placement in Cache-Enabled Sub-6 GHz and Millimeter-Wave Multi-Antenna Dense Small Cell Networks. IEEE Transactions on Wireless Communications, 2018, 17, 2843-2856. | 6.1 | 38 |
| 13 | Blockchain-Empowered Decentralized Storage in Air-to-Ground Industrial Networks. IEEE Transactions on Industrial Informatics, 2019, 15, 3593-3601. | 7.2 | 32 |
| 14 | Achievable Rate and Capacity Analysis for Ambient Backscatter Communications. IEEE Transactions on Communications, 2019, 67, 6299-6310. | 4.9 | 21 |
| 15 | Performance Analysis of Cache-Enabled Millimeter Wave Small Cell Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 6695-6699. | 3.9 | 19 |
| 16 | User Selection in Reconfigurable Intelligent Surface Assisted Communication Systems. IEEE Communications Letters, 2021, 25, 1353-1357. | 2.5 | 17 |
| 17 | Deep Learning Based Beamforming Neural Networks in Downlink MISO Systems. , 2019, , . | | 15 |
| 18 | Spectrum and Energy Efficiency in Dynamic UAV-Powered Millimeter Wave Networks. IEEE Communications Letters, 2020, 24, 2290-2294. | 2.5 | 11 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 19 | Performance Analysis of Hybrid UAV Networks for Probabilistic Content Caching. IEEE Systems Journal, 2021, 15, 4013-4024. | 2.9 | 11 |
| 20 | Physical Layer Security in Large-Scale Millimeter Wave Ad Hoc Networks. , 2016, , . | | 10 |
| 21 | Geometric Power Control for Time-Switching Energy-Harvesting Two-User Interference Channel. IEEE Transactions on Vehicular Technology, 2016, 65, 9759-9772. | 3.9 | 10 |
| 22 | Large System Analysis of Downlink MISO-NOMA System via Regularized Zero-Forcing Precoding With Imperfect CSIT. IEEE Communications Letters, 2020, 24, 2454-2458. | 2.5 | 6 |
| 23 | Multiagent Collaborative Learning for UAV Enabled Wireless Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 2630-2642. | 9.7 | 5 |
| 24 | Dynamic Coverage Path Planning of Energy Optimization in UAV-enabled Edge Computing Networks. , 2021, , . | | 3 |
| 25 | Performance Analysis and Optimization of Cache-Enabled Small Cell Networks. , 2017, , . | | 1 |
| 26 | Incomplete Information Based Collaborative Computing in Emergency Communication Networks. IEEE Communications Letters, 2020, 24, 2038-2042. | 2.5 | 1 |
| 27 | Cell-Free Massive MIMO With Normalized Conjugate Beamforming and Channel Non-Reciprocities. , 2021, , . | | 1 |
| 28 | Programmable Metasurface Transmitter Aided Multicast Systems. , 2020, , . | | 0 |
| 29 | Multi-Agent Learning Approach for UAVs Enabled Wireless Networks. , 2021, , . | | 0 |
| 30 | Resource Management for Intelligent Reflecting Surface Assisted THz-MIMO Network. , 2021, , . | | 0 |