

# Xidong Mu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1605555/publications.pdf>

Version: 2024-02-01

35  
papers

2,240  
citations

394421

19  
h-index

642732

23  
g-index

35  
all docs

35  
docs citations

35  
times ranked

712  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconfigurable Intelligent Surfaces: Principles and Opportunities. IEEE Communications Surveys and Tutorials, 2021, 23, 1546-1577.	39.4	520
2	Exploiting Intelligent Reflecting Surfaces in NOMA Networks: Joint Beamforming Optimization. IEEE Transactions on Wireless Communications, 2020, 19, 6884-6898.	9.2	251
3	Simultaneously Transmitting and Reflecting (STAR) RIS Aided Wireless Communications. IEEE Transactions on Wireless Communications, 2022, 21, 3083-3098.	9.2	197
4	STAR: Simultaneous Transmission and Reflection for 360° Coverage by Intelligent Surfaces. IEEE Wireless Communications, 2021, 28, 102-109.	9.0	190
5	Evolution of NOMA Toward Next Generation Multiple Access (NGMA) for 6G. IEEE Journal on Selected Areas in Communications, 2022, 40, 1037-1071.	14.0	168
6	STAR-RISs: Simultaneous Transmitting and Reflecting Reconfigurable Intelligent Surfaces. IEEE Communications Letters, 2021, 25, 3134-3138.	4.1	160
7	Coverage Characterization of STAR-RIS Networks: NOMA and OMA. IEEE Communications Letters, 2021, 25, 3036-3040.	4.1	104
8	Intelligent Reflecting Surface Enhanced Multi-UAV NOMA Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 3051-3066.	14.0	95
9	Joint Deployment and Multiple Access Design for Intelligent Reflecting Surface Assisted Networks. IEEE Transactions on Wireless Communications, 2021, 20, 6648-6664.	9.2	82
10	Capacity and Optimal Resource Allocation for IRS-Assisted Multi-User Communication Systems. IEEE Transactions on Communications, 2021, 69, 3771-3786.	7.8	69
11	NOMA Empowered Integrated Sensing and Communication. IEEE Communications Letters, 2022, 26, 677-681.	4.1	50
12	Non-Orthogonal Multiple Access for Air-to-Ground Communication. IEEE Transactions on Communications, 2020, 68, 2934-2949.	7.8	42
13	Resource Allocation in STAR-RIS-Aided Networks: OMA and NOMA. IEEE Transactions on Wireless Communications, 2022, 21, 7653-7667.	9.2	39
14	AI Empowered RIS-Assisted NOMA Networks: Deep Learning or Reinforcement Learning?. IEEE Journal on Selected Areas in Communications, 2022, 40, 182-196.	14.0	36
15	NOMA-Aided Joint Radar and Multicast-Unicast Communication Systems. IEEE Journal on Selected Areas in Communications, 2022, 40, 1978-1992.	14.0	34
16	Reconfigurable Intelligent Surface-Aided Multi-User Networks: Interplay Between NOMA and RIS. IEEE Wireless Communications, 2022, 29, 169-176.	9.0	33
17	Intelligent Reflecting Surface Enhanced Indoor Robot Path Planning: A Radio Map-Based Approach. IEEE Transactions on Wireless Communications, 2021, 20, 4732-4747.	9.2	31
18	Simultaneously Transmitting and Reflecting Intelligent Omni-Surfaces: Modeling and Implementation. IEEE Vehicular Technology Magazine, 2022, 17, 46-54.	3.4	28

#	ARTICLE	IF	CITATIONS
19	Energy-Constrained UAV Data Collection Systems: NOMA and OMA. IEEE Transactions on Vehicular Technology, 2021, 70, 6898-6912.	6.3	21
20	Graph-Embedded Multi-Agent Learning for Smart Reconfigurable THz MIMO-NOMA Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 259-275.	14.0	20
21	Energy Efficient Resource Allocation for IRS Assisted CoMP Systems. IEEE Transactions on Wireless Communications, 2022, 21, 5688-5702.	9.2	15
22	Robotic Communications for 5G and Beyond: Challenges and Research Opportunities. IEEE Communications Magazine, 2021, 59, 92-98.	6.1	13
23	Automatic Modulation Classification Using Multi-Scale Convolutional Neural Network. , 2020, , .		7
24	Mission Time Minimization for Multi-UAV-Enabled Data Collection with Interference. , 2021, , .		7
25	Joint Beamforming Optimization for Simultaneously Transmitting And Reflecting (STAR) RIS Aided Communications : (Invited Paper). , 2021, , .		6
26	Trajectory and Passive Beamforming Design for IRS-aided Multi-Robot NOMA Indoor Networks. , 2021, , .		5
27	Downlink Secure Transmission with Base Station Cooperation Using Artificial Noise. , 2017, , .		4
28	Performance Analysis for the Coupled Phase-Shift STAR-RISs. , 2022, , .		4
29	Interference-Aware Trajectory Design for Ground-Aerial Uplink NOMA Cellular Networks. , 2019, , .		3
30	DSTBC experimental research on UV communication system. Photonic Network Communications, 2017, 33, 69-76.	2.7	2
31	Channel Correlation Cancellation-Based Hybrid Beamforming for Massive Multiuser MIMO Systems. , 2020, , .		2
32	Capacity Characterization of Intelligent Reflecting Surface Assisted NOMA Systems. , 2021, , .		1
33	Fast Beam Splitting Technique for STAR-RISs with Coupled T&R Phase Shifts. , 2022, , .		1
34	Secure Transmission for Intelligent Reflecting Surface-Aided Communication System. , 2021, , .		0
35	3D Trajectory Design of UAV Based on Deep Reinforcement Learning in Time-varying Scenes. , 2021, , .		0