

Yu, Xianghao

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Resource Allocation for Simultaneous Wireless Information and Power Transfer Systems: A Tutorial Overview. Proceedings of the IEEE, 2022, 110, 127-149.	21.3	24
2	Optimal Resource Allocation Design for Large IRS-Assisted SWIPT Systems: A Scalable Optimization Framework. IEEE Transactions on Communications, 2022, 70, 1423-1441.	7.8	27
3	Hybrid Precoding for Mixture Use of Phase Shifters and Switches in mmWave Massive MIMO. IEEE Transactions on Communications, 2022, 70, 4121-4133.	7.8	3
4	Channel Estimation for IRS-Assisted Millimeter-Wave MIMO Systems: Sparsity-Inspired Approaches. IEEE Transactions on Communications, 2022, 70, 4078-4092.	7.8	28
5	Learn to Communicate With Neural Calibration: Scalability and Generalization. IEEE Transactions on Wireless Communications, 2022, 21, 9947-9961.	9.2	4
6	Outage Probability and Finite-SNR DMT Analysis for IRS-Aided MIMO Systems: How Large IRSs Need to be?. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 1070-1085.	10.8	5
7	Resource Allocation for Large IRS-Assisted SWIPT Systems with Non-linear Energy Harvesting Model. , 2021, , .		16
8	IRS-Assisted Green Communication Systems: Provable Convergence and Robust Optimization. IEEE Transactions on Communications, 2021, 69, 6313-6329.	7.8	52
9	Resource Allocation for Active IRS-Assisted Multiuser Communication Systems. , 2021, , .		33
10	Smart and Reconfigurable Wireless Communications: From IRS Modeling to Algorithm Design. IEEE Wireless Communications, 2021, 28, 118-125.	9.0	75
11	Hybrid Beamforming for 5G and Beyond Millimeter-Wave Systems: A Holistic View. IEEE Open Journal of the Communications Society, 2020, 1, 77-91.	6.9	84
12	Robust and Secure Wireless Communications via Intelligent Reflecting Surfaces. IEEE Journal on Selected Areas in Communications, 2020, 38, 2637-2652.	14.0	435
13	Optimal Beamforming for MISO Communications via Intelligent Reflecting Surfaces. , 2020, , .		46
14	Resource Allocation for Intelligent Reflecting Surface-Assisted Cognitive Radio Networks. , 2020, , .		27
15	Resource Allocation for IRS-Assisted Full-Duplex Cognitive Radio Systems. IEEE Transactions on Communications, 2020, 68, 7376-7394.	7.8	162
16	A Low-Complexity Algorithmic Framework for Large-Scale IRS-Assisted Wireless Systems. , 2020, , .		8
17	A Tractable Framework for Coverage Analysis of Cellular-Connected UAV Networks. , 2019, , .		9
18	An Analytical Framework for Multi-Antenna Wireless Networks. , 2019, , 37-84.		0

#	ARTICLE	IF	CITATIONS
19	Analysis of Multi-Antenna Wireless Networks. , 2019, , 85-125.		0
20	Stochastic Geometry Analysis of Multi-Antenna Wireless Networks. , 2019, , .		6
21	Enabling Secure Wireless Communications via Intelligent Reflecting Surfaces. , 2019, , .		210
22	Resource Allocation for Secure IRS-Assisted Multiuser MISO Systems. , 2019, , .		117
23	MISO Wireless Communication Systems via Intelligent Reflecting Surfaces : (Invited Paper). , 2019, , .		158
24	A Hardware-Efficient Analog Network Structure for Hybrid Precoding in Millimeter Wave Systems. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 282-297.	10.8	78
25	A Unified Framework for the Tractable Analysis of Multi-Antenna Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 7965-7980.	9.2	21
26	Coverage Analysis for Millimeter Wave Networks: The Impact of Directional Antenna Arrays. IEEE Journal on Selected Areas in Communications, 2017, 35, 1498-1512.	14.0	164
27	A tractable framework for performance analysis of dense multi-antenna networks. , 2017, , .		6
28	Hybrid Precoding in Millimeter Wave Systems: How Many Phase Shifters Are Needed?. , 2017, , .		13
29	Partially-connected hybrid precoding in mm-wave systems with dynamic phase shifter networks. , 2017, , .		16
30	Alternating Minimization Algorithms for Hybrid Precoding in Millimeter Wave MIMO Systems. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 485-500.	10.8	907