Changsheng You

List of Publications by Year
in descending order

49 papers	9,042 citations	172457 29 h-index	377865 34 g-index
50 all docs	50 docs citations	50 times ranked	5934 citing authors

#	Article	IF	Citations
1	IRS-Aided Wireless Relaying: Deployment Strategy and Capacity Scaling. IEEE Wireless Communications Letters, 2022, 11, 215-219.	5.0	20
2	Channel Estimation for STAR-RIS-Aided Wireless Communication. IEEE Communications Letters, 2022, 26, 652-656.	4.1	50
3	A Survey on Channel Estimation and Practical Passive Beamforming Design for Intelligent Reflecting Surface Aided Wireless Communications. IEEE Communications Surveys and Tutorials, 2022, 24, 1035-1071.	39.4	152
4	Target Sensing With Intelligent Reflecting Surface: Architecture and Performance. IEEE Journal on Selected Areas in Communications, 2022, 40, 2070-2084.	14.0	50
5	Guest Editorial Special Issue on Intelligent Reflecting Surface for Green Communication, Computing, and Sensing. IEEE Transactions on Green Communications and Networking, 2022, 6, 160-162.	5.5	1
6	Intelligent Reflecting Surface-Aided Wireless Networks: From Single-Reflection to Multireflection Design and Optimization. Proceedings of the IEEE, 2022, 110, 1380-1400.	21.3	47
7	How to Deploy Intelligent Reflecting Surfaces in Wireless Network: BS-Side, User-Side, or Both Sides?. Journal of Communications and Information Networks, 2022, 7, 1-10.	5.2	31
8	Fast Channel Estimation for IRS-Assisted OFDM. IEEE Wireless Communications Letters, 2021, 10, 580-584.	5.0	61
9	3D Placement for Multi-UAV Relaying: An Iterative Gibbs-Sampling and Block Coordinate Descent Optimization Approach. IEEE Transactions on Communications, 2021, 69, 2047-2062.	7.8	27
10	Wireless Communication via Double IRS: Channel Estimation and Passive Beamforming Designs. IEEE Wireless Communications Letters, 2021, 10, 431-435.	5.0	77
11	UAV Trajectory and Communication Co-Design: Flexible Path Discretization and Path Compression. IEEE Journal on Selected Areas in Communications, 2021, 39, 3506-3523.	14.0	14
12	Channel Estimation for Intelligent Reflecting Surface Assisted Backscatter Communication. IEEE Wireless Communications Letters, 2021, 10, 2519-2523.	5.0	18
13	Delay-Optimal Scheduling for IRS-Aided Mobile Edge Computing. IEEE Wireless Communications Letters, 2021, 10, 740-744.	5.0	57
14	Intelligent Reflecting Surface-Aided Wireless Communications: A Tutorial. IEEE Transactions on Communications, 2021, 69, 3313-3351.	7.8	1,166
15	Uplink Channel Estimation for Double-IRS Assisted Multi-User MIMO. , 2021, , .		18
16	Efficient Channel Estimation for Double-IRS Aided Multi-User MIMO System. IEEE Transactions on Communications, 2021, 69, 3818-3832.	7.8	83
17	Double-IRS Assisted Multi-User MIMO: Cooperative Passive Beamforming Design. IEEE Transactions on Wireless Communications, 2021, 20, 4513-4526.	9.2	140
18	Wireless Communication Aided by Intelligent Reflecting Surface: Active or Passive?. IEEE Wireless Communications Letters, 2021, 10, 2659-2663.	5.0	112

#	Article	IF	Citations
19	Multi-IRS Aided Multiuser Communication: Hybrid Deployment and Optimization. , 2021, , .		0
20	Enabling Smart Reflection in Integrated Air-Ground Wireless Network: IRS Meets UAV. IEEE Wireless Communications, 2021, 28, 138-144.	9.0	64
21	Intelligent Reflecting Surface with Discrete Phase Shifts: Channel Estimation and Passive Beamforming. , 2020, , .		72
22	Fast Beam Training for IRS-Assisted Multiuser Communications. IEEE Wireless Communications Letters, 2020, 9, 1845-1849.	5.0	78
23	Placement Learning for Multi-UAV Relaying: A Gibbs Sampling Approach. , 2020, , .		9
24	Channel Estimation and Passive Beamforming for Intelligent Reflecting Surface: Discrete Phase Shift and Progressive Refinement. IEEE Journal on Selected Areas in Communications, 2020, 38, 2604-2620.	14.0	252
25	Intelligent Reflecting Surface Assisted Multi-User OFDMA: Channel Estimation and Training Design. IEEE Transactions on Wireless Communications, 2020, 19, 8315-8329.	9.2	187
26	Hybrid Offline-Online Design for UAV-Enabled Data Harvesting in Probabilistic LoS Channels. IEEE Transactions on Wireless Communications, 2020, 19, 3753-3768.	9.2	113
27	Toward an Intelligent Edge: Wireless Communication Meets Machine Learning. IEEE Communications Magazine, 2020, 58, 19-25.	6.1	336
28	3D Trajectory Optimization in Rician Fading for UAV-Enabled Data Harvesting. IEEE Transactions on Wireless Communications, 2019, 18, 3192-3207.	9.2	250
29	3D Trajectory Design for UAV-Enabled Data Harvesting in Probabilistic LoS Channel. , 2019, , .		11
30	Stochastic Control of Computation Offloading to a Helper With a Dynamically Loaded CPU. IEEE Transactions on Wireless Communications, 2019, 18, 1247-1262.	9.2	29
31	Wirelessly Powered Crowd Sensing: Joint Power Transfer, Sensing, Compression, and Transmission. IEEE Journal on Selected Areas in Communications, 2019, 37, 391-406.	14.0	49
32	Exploiting Non-Causal CPU-State Information for Energy-Efficient Mobile Cooperative Computing. IEEE Transactions on Wireless Communications, 2018, 17, 4104-4117.	9.2	79
33	The Optimal Control Policy for RF-Powered Backscatter Communication Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2804-2808.	6.3	70
34	Communication, Computing, and Learning on the Edge. , 2018, , .		5
35	Asynchronous Mobile-Edge Computation Offloading: Energy-Efficient Resource Management. IEEE Transactions on Wireless Communications, 2018, 17, 7590-7605.	9.2	91
36	Resource Management for Asynchronous Mobile-Edge Computation Offloading. , 2018, , .		3

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37	Optimizing Wirelessly Powered Crowd Sensing: Trading Energy for Data. , 2018, , .		4
38	Stochastic Control of Computation Offloading to a Dynamic Helper. , 2018, , .		7
39	Energy-Efficient Peer-to-Peer Computation Offloading Based on Non-Causal CPU-State Information. , 2018, , .		5
40	Energy-Efficient Resource Allocation for Mobile-Edge Computation Offloading. IEEE Transactions on Wireless Communications, 2017, 16, 1397-1411.	9.2	1,169
41	A Survey on Mobile Edge Computing: The Communication Perspective. IEEE Communications Surveys and Tutorials, 2017, 19, 2322-2358.	39.4	3,379
42	Multiuser Resource Allocation for Mobile-Edge Computation Offloading. , 2016, , .		78
43	Energy Efficient Mobile Cloud Computing Powered by Wireless Energy Transfer. IEEE Journal on Selected Areas in Communications, 2016, 34, 1757-1771.	14.0	390
44	On the Parallelization of Spectrum Defragmentation Reconfigurations in Elastic Optical Networks. IEEE/ACM Transactions on Networking, 2016, 24, 2819-2833.	3.8	57
45	Wirelessly Powered Mobile Computation Offloading: Energy Savings Maximization. , 2015, , .		3
46	Dynamic and Adaptive Bandwidth Defragmentation in Spectrum-Sliced Elastic Optical Networks With Time-Varying Traffic. Journal of Lightwave Technology, 2014, 32, 1014-1023.	4.6	116
47	Wirelessly Powered Mobile Computation Offloading: Energy Savings Maximization. , 2014, , .		0
48	Reduce Spectrum Defragmentation Latency in EONs with Effective Parallelization of Connection Reconfigurations. , 2014, , .		8
49	Adaptive Spectrum Defragmentation with Intelligent Timing and Object Selection for Elastic Optical Networks with Time-Varying Traffic. , 2013, , .		0