

Chenhao Qi

List of Publications by Year in descending order

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304368

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citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning for Beam Training in Millimeter Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2024, , 1-1.	6.1	24
2	Channel Estimation for Wideband mmWave MIMO OFDM System Exploiting Block Sparsity. IEEE Communications Letters, 2022, 26, 897-901.	2.5	5
3	Multibeam Satellite Communications With Energy Efficiency Optimization. IEEE Communications Letters, 2022, 26, 887-891.	2.5	7
4	Hybrid Beamforming for Millimeter Wave MIMO Integrated Sensing and Communications. IEEE Communications Letters, 2022, 26, 1136-1140.	2.5	22
5	Hybrid Precoding for Mixture Use of Phase Shifters and Switches in mmWave Massive MIMO. IEEE Transactions on Communications, 2022, 70, 4121-4133.	4.9	3
6	Acquisition of channel state information for mmWave massive MIMO: traditional and machine learning-based approaches. Science China Information Sciences, 2021, 64, 1.	2.7	29
7	Hybrid Beamforming Design for Covert Multicast mmWave Massive MIMO Communications. , 2021, , .		3
8	Channel Estimation for mmWave Satellite Communications with Reconfigurable Intelligent Surface. , 2021, , .		3
9	Channel Modeling and Signal Transmission for Land Mobile Satellite MIMO. , 2021, , .		2
10	MmWave MIMO Hybrid Precoding Design Using Phase Shifters and Switches. , 2021, , .		1
11	Energy Efficient Multicast Precoding for Multiuser Multibeam Satellite Communications. IEEE Wireless Communications Letters, 2020, 9, 567-570.	3.2	22
12	Two-Step Codeword Design for Millimeter Wave Massive MIMO Systems With Quantized Phase Shifters. IEEE Transactions on Signal Processing, 2020, 68, 170-180.	3.2	52
13	Low-Complexity Multicast Beamforming for Millimeter Wave Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 12317-12320.	3.9	5
14	Hierarchical Codebook-Based Multiuser Beam Training for Millimeter Wave Massive MIMO. IEEE Transactions on Wireless Communications, 2020, 19, 8142-8152.	6.1	43
15	Channel Estimation for Reconfigurable Intelligent Surface Aided Massive MIMO System. , 2020, , .		28
16	QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 5661-5665.	3.9	4
17	High-Resolution Channel Estimation for Frequency-Selective mmWave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 3517-3529.	6.1	32
18	Machine Learning for Beam Alignment in Millimeter Wave Massive MIMO. IEEE Wireless Communications Letters, 2020, 9, 875-878.	3.2	48

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19	Sparse Channel Estimation and Hybrid Precoding Using Deep Learning for Millimeter Wave Massive MIMO. IEEE Transactions on Communications, 2020, 68, 2838-2849.	4.9	134
20	Beam Training with Limited Feedback for Multiuser mmWave Massive MIMO. , 2020, , .		1
21	Computation-Aided Adaptive Codebook Design for Millimeter Wave Massive MIMO. , 2020, , .		2
22	Multiuser Beam Allocation for Millimeter Wave Massive MIMO Systems. , 2019, , .		3
23	User Grouping for Sum-Rate Maximization in Multiuser Multibeam Satellite Communications. , 2019, , .		16
24	ESPRIT-Based Channel Estimation for Frequency-Selective Millimeter Wave Massive MIMO System. , 2019, , .		4
25	A Model-Driven Deep Learning Method for LED Nonlinearity Mitigation in OFDM-Based Optical Communications. IEEE Access, 2019, 7, 71436-71446.	2.6	24
26	Simultaneous Multiuser Beam Training Using Adaptive Hierarchical Codebook for mmWave Massive MIMO. , 2019, , .		6
27	Kernels Pruning for Volterra Digital Predistortion Using Sparse Bayesian Learning. , 2019, , .		4
28	Deep Learning for Compressed Sensing Based Channel Estimation in Millimeter Wave Massive MIMO. , 2019, , .		8
29	Regularized Multipath Matching Pursuit for Sparse Channel Estimation in Millimeter Wave Massive MIMO System. IEEE Wireless Communications Letters, 2019, 8, 169-172.	3.2	20
30	Codeword Selection and Hybrid Precoding for Multiuser Millimeter-Wave Massive MIMO Systems. IEEE Communications Letters, 2019, 23, 386-389.	2.5	12
31	Beam Training and Allocation for Multiuser Millimeter Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1041-1053.	6.1	48
32	Beam Training Based on Dynamic Hierarchical Codebook for Millimeter Wave Massive MIMO. IEEE Communications Letters, 2019, 23, 132-135.	2.5	26
33	Two-Level Transmission Scheme for Cache-Enabled Fog Radio Access Networks. IEEE Transactions on Communications, 2019, 67, 445-456.	4.9	19
34	Beam Design with Quantized Phase Shifters for Millimeter Wave Massive MIMO. , 2018, , .		2
35	Model based Beamspace Channel Estimation for Millimeter Wave Massive MIMO System. , 2018, , .		3
36	Waveform Design for Kalman Filter-Based Target Scattering Coefficient Estimation in Adaptive Radar System. IEEE Transactions on Vehicular Technology, 2018, 67, 11805-11817.	3.9	21

#	ARTICLE	IF	CITATIONS
37	Over-Sampled Beamspace Channel Estimation for Millimeter Wave Massive MIMO. , 2018, , .		0
38	Deep clipping noise mitigation using ISTA with the specified observations for LED-based DCO-OFDM system. IET Communications, 2018, 12, 2582-2591.	1.5	8
39	Precoding Design for Energy Efficiency of Multibeam Satellite Communications. IEEE Communications Letters, 2018, 22, 1826-1829.	2.5	34
40	Beamspace Channel Estimation for Millimeter Wave Massive MIMO System With Hybrid Precoding and Combining. IEEE Transactions on Signal Processing, 2018, 66, 4839-4853.	3.2	33
41	Near-Optimal Signal Detector Based on Structured Compressive Sensing for Massive SM-MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 1860-1865.	3.9	33
42	Estimation of Extended Targets Based on Compressed Sensing in Cognitive Radar System. IEEE Transactions on Vehicular Technology, 2017, 66, 941-951.	3.9	29
43	Weighted Sum-Rate Maximization for Analog Beamforming and Combining in Millimeter Wave Massive MIMO Communications. IEEE Communications Letters, 2017, 21, 1883-1886.	2.5	29
44	Channel Estimation for 3-D Lens Millimeter Wave Massive MIMO System. IEEE Communications Letters, 2017, 21, 2045-2048.	2.5	22
45	Antenna placement optimisation for compressed sensing-based distributed MIMO radar. IET Radar, Sonar and Navigation, 2017, 11, 285-293.	0.9	27
46	Compressed sensing for clipping noise cancellation in DCO-OFDM systems based on observation interference mitigation. , 2017, , .		1
47	Algorithm for modeling dual-polarized MIMO channel in land mobile satellite communications. , 2017, , .		2
48	Analog Beamforming and Combining Based on Codebook in Millimeter Wave Massive MIMO Communications. , 2017, , .		6
49	Underwater acoustic channel estimation via fast Bayesian matching pursuit. , 2017, , .		3
50	Group Bayesian Sparse Channel Estimation for Massive MIMO Systems. , 2017, , .		3
51	Selection of Nonzero Taps for Sparse Linear Equalizer. , 2016, , .		1
52	Coordinated multicell beamforming for massive multiple-input multiple-output systems based on uplink-downlink duality. IET Communications, 2016, 10, 2380-2390.	1.5	2
53	Energy-Efficient Transceiver Design for Hybrid Sub-Array Architecture MIMO Systems. IEEE Access, 2016, 4, 9895-9905.	2.6	79
54	Resource Efficiency: A New Beamforming Design for Multicell Multiuser Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 6063-6074.	3.9	5

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55	Waveform Optimization for Target Scattering Coefficients Estimation Under Detection and Peak-to-Average Power Ratio Constraints in Cognitive Radar. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 163-184.	1.2	12
56	Pilot Design Schemes for Sparse Channel Estimation in OFDM Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2015, 64, 1493-1505.	3.9	78
57	Joint optimisation of secret key capacity and sparse channel estimation based on pilot power allocation. <i>Electronics Letters</i> , 2015, 51, 1033-1035.	0.5	2
58	Sparse channel estimation based on compressed sensing for massive MIMO systems. , 2015, , .		37
59	Joint Design of Pilot Power and Pilot Pattern for Sparse Cognitive Radio Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2015, 64, 5384-5390.	3.9	21
60	Pilot Design for Sparse Channel Estimation in OFDM-Based Cognitive Radio Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2014, 63, 982-987.	3.9	64
61	Uplink channel estimation for massive MIMO systems exploring joint channel sparsity. <i>Electronics Letters</i> , 2014, 50, 1770-1772.	0.5	44
62	Comparisons of channel estimation for OFDM-based and wavelet-based underwater acoustic communications. , 2013, , .		0
63	Underwater acoustic channel estimation via complex Homotopy. , 2012, , .		5
64	A Study of Deterministic Pilot Allocation for Sparse Channel Estimation in OFDM Systems. <i>IEEE Communications Letters</i> , 2012, 16, 742-744.	2.5	62
65	Tree-based backward pilot generation for sparse channel estimation. <i>Electronics Letters</i> , 2012, 48, 501.	0.5	18
66	Sparse channel estimation for wavelet-based underwater acoustic communications. <i>Transactions on Emerging Telecommunications Technologies</i> , 2012, 23, 764-776.	2.6	2
67	Fast mode selection for H.264 video coding standard based on motion region classification. <i>Multimedia Tools and Applications</i> , 2012, 58, 453-466.	2.6	1
68	Spring-Model-Based Wireless Localization in Cooperative User Environments. <i>IEICE Transactions on Communications</i> , 2012, E95.B, 1860-1863.	0.4	0
69	Application of Compressed Sensing to DRM Channel Estimation. , 2011, , .		3
70	A hybrid compressed sensing algorithm for sparse channel estimation in MIMO OFDM systems. , 2011, , .		28
71	Underwater acoustic channel estimation based on sparse recovery algorithms. <i>IET Signal Processing</i> , 2011, 5, 739.	0.9	41
72	Optimized Pilot Placement for Sparse Channel Estimation in OFDM Systems. <i>IEEE Signal Processing Letters</i> , 2011, 18, 749-752.	2.1	69

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73	BER Analysis and Verification of EBPSK System in AWGN Channel. IEICE Transactions on Communications, 2011, E94-B, 806-809.	0.4	18
74	Sparse Recovery Algorithms for Pilot Assisted MIMO OFDM Channel Estimation. IEICE Transactions on Communications, 2010, E93-B, 1313-1316.	0.4	0
75	Application of Compressive Projection Principal Component Analysis to MIMO Channel Feedback Scheme. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 2193-2195.	0.2	0
76	PLL demodulation technique for M-ray Position Phase Shift Keying. Journal of Electronics, 2009, 26, 289-295.	0.2	15
77	Comments on "On the Combining of the Amplitude and Phase Modulation in the Same Signal. IEEE Transactions on Broadcasting, 2008, 54, 489-489.	2.5	0