

Chenhao Qi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5918077/publications.pdf>

Version: 2024-02-01

77
papers

1,523
citations

304368

22
h-index

344852

36
g-index

77
all docs

77
docs citations

77
times ranked

1220
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Energy-Efficient Transceiver Design for Hybrid Sub-Array Architecture MIMO Systems. IEEE Access, 2016, 4, 9895-9905.	2.6	79
3	Pilot Design Schemes for Sparse Channel Estimation in OFDM Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 1493-1505.	3.9	78
4	Optimized Pilot Placement for Sparse Channel Estimation in OFDM Systems. IEEE Signal Processing Letters, 2011, 18, 749-752.	2.1	69
5	Pilot Design for Sparse Channel Estimation in OFDM-Based Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 982-987.	3.9	64
6	A Study of Deterministic Pilot Allocation for Sparse Channel Estimation in OFDM Systems. IEEE Communications Letters, 2012, 16, 742-744.	2.5	62
7	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
8	Beam Training and Allocation for Multiuser Millimeter Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1041-1053.	6.1	48
9	Machine Learning for Beam Alignment in Millimeter Wave Massive MIMO. IEEE Wireless Communications Letters, 2020, 9, 875-878.	3.2	48
10	Uplink channel estimation for massive MIMO systems exploring joint channel sparsity. Electronics Letters, 2014, 50, 1770-1772.	0.5	44
11	Hierarchical Codebook-Based Multiuser Beam Training for Millimeter Wave Massive MIMO. IEEE Transactions on Wireless Communications, 2020, 19, 8142-8152.	6.1	43
12	Underwater acoustic channel estimation based on sparse recovery algorithms. IET Signal Processing, 2011, 5, 739.	0.9	41
13	Sparse channel estimation based on compressed sensing for massive MIMO systems. , 2015, , .		37
14	Precoding Design for Energy Efficiency of Multibeam Satellite Communications. IEEE Communications Letters, 2018, 22, 1826-1829.	2.5	34
15	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
16	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
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	Estimation of Extended Targets Based on Compressed Sensing in Cognitive Radar System. IEEE Transactions on Vehicular Technology, 2017, 66, 941-951.	3.9	29

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	A hybrid compressed sensing algorithm for sparse channel estimation in MIMO OFDM systems. , 2011, , .		28
22	Channel Estimation for Reconfigurable Intelligent Surface Aided Massive MIMO System. , 2020, , .		28
23	Antenna placement optimisation for compressed sensing-based distributed MIMO radar. IET Radar, Sonar and Navigation, 2017, 11, 285-293.	0.9	27
24	Beam Training Based on Dynamic Hierarchical Codebook for Millimeter Wave Massive MIMO. IEEE Communications Letters, 2019, 23, 132-135.	2.5	26
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	Deep Learning for Beam Training in Millimeter Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2024, , 1-1.	6.1	24
27	Channel Estimation for 3-D Lens Millimeter Wave Massive MIMO System. IEEE Communications Letters, 2017, 21, 2045-2048.	2.5	22
28	Energy Efficient Multicast Precoding for Multiuser Multibeam Satellite Communications. IEEE Wireless Communications Letters, 2020, 9, 567-570.	3.2	22
29	Hybrid Beamforming for Millimeter Wave MIMO Integrated Sensing and Communications. IEEE Communications Letters, 2022, 26, 1136-1140.	2.5	22
30	Joint Design of Pilot Power and Pilot Pattern for Sparse Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 5384-5390.	3.9	21
31	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
32	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
33	Two-Level Transmission Scheme for Cache-Enabled Fog Radio Access Networks. IEEE Transactions on Communications, 2019, 67, 445-456.	4.9	19
34	BER Analysis and Verification of EBPSK System in AWGN Channel. IEICE Transactions on Communications, 2011, E94-B, 806-809.	0.4	18
35	Tree-based backward pilot generation for sparse channel estimation. Electronics Letters, 2012, 48, 501.	0.5	18
36	User Grouping for Sum-Rate Maximization in Multiuser Multibeam Satellite Communications. , 2019, , .		16

#	ARTICLE	IF	CITATIONS
37	PLL demodulation technique for M-ray Position Phase Shift Keying. Journal of Electronics, 2009, 26, 289-295.	0.2	15
38	Waveform Optimization for Target Scattering Coefficients Estimation Under Detection and Peak-to-Average Power Ratio Constraints in Cognitive Radar. Circuits, Systems, and Signal Processing, 2016, 35, 163-184.	1.2	12
39	Codeword Selection and Hybrid Precoding for Multiuser Millimeter-Wave Massive MIMO Systems. IEEE Communications Letters, 2019, 23, 386-389.	2.5	12
40	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
41	Deep Learning for Compressed Sensing Based Channel Estimation in Millimeter Wave Massive MIMO. , 2019, , .		8
42	Multibeam Satellite Communications With Energy Efficiency Optimization. IEEE Communications Letters, 2022, 26, 887-891.	2.5	7
43	Analog Beamforming and Combining Based on Codebook in Millimeter Wave Massive MIMO Communications. , 2017, , .		6
44	Simultaneous Multiuser Beam Training Using Adaptive Hierarchical Codebook for mmWave Massive MIMO. , 2019, , .		6
45	Underwater acoustic channel estimation via complex Homotopy. , 2012, , .		5
46	Resource Efficiency: A New Beamforming Design for Multicell Multiuser Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 6063-6074.	3.9	5
47	Low-Complexity Multicast Beamforming for Millimeter Wave Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 12317-12320.	3.9	5
48	Channel Estimation for Wideband mmWave MIMO OFDM System Exploiting Block Sparsity. IEEE Communications Letters, 2022, 26, 897-901.	2.5	5
49	ESPRIT-Based Channel Estimation for Frequency-Selective Millimeter Wave Massive MIMO System. , 2019, , .		4
50	Kernels Pruning for Volterra Digital Predistortion Using Sparse Bayesian Learning. , 2019, , .		4
51	QoS Constrained Pilot Allocation Scheme for Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 5661-5665.	3.9	4
52	Application of Compressed Sensing to DRM Channel Estimation. , 2011, , .		3
53	Underwater acoustic channel estimation via fast Bayesian matching pursuit. , 2017, , .		3
54	Group Bayesian Sparse Channel Estimation for Massive MIMO Systems. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
55	Model based Beamspace Channel Estimation for Millimeter Wave Massive MIMO System. , 2018, , .		3
56	Multiuser Beam Allocation for Millimeter Wave Massive MIMO Systems. , 2019, , .		3
57	Hybrid Beamforming Design for Covert Multicast mmWave Massive MIMO Communications. , 2021, , .		3
58	Channel Estimation for mmWave Satellite Communications with Reconfigurable Intelligent Surface. , 2021, , .		3
59	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
60	Sparse channel estimation for wavelet-based underwater acoustic communications. Transactions on Emerging Telecommunications Technologies, 2012, 23, 764-776.	2.6	2
61	Joint optimisation of secret key capacity and sparse channel estimation based on pilot power allocation. Electronics Letters, 2015, 51, 1033-1035.	0.5	2
62	Coordinated multicell beamforming for massive multiple-input multiple-output systems based on uplink-downlink duality. IET Communications, 2016, 10, 2380-2390.	1.5	2
63	Algorithm for modeling dual-polarized MIMO channel in land mobile satellite communications. , 2017, , .		2
64	Beam Design with Quantized Phase Shifters for Millimeter Wave Massive MIMO. , 2018, , .		2
65	Computation-Aided Adaptive Codebook Design for Millimeter Wave Massive MIMO. , 2020, , .		2
66	Channel Modeling and Signal Transmission for Land Mobile Satellite MIMO. , 2021, , .		2
67	Fast mode selection for H.264 video coding standard based on motion region classification. Multimedia Tools and Applications, 2012, 58, 453-466.	2.6	1
68	Selection of Nonzero Taps for Sparse Linear Equalizer. , 2016, , .		1
69	Compressed sensing for clipping noise cancellation in DCO-OFDM systems based on observation interference mitigation. , 2017, , .		1
70	Beam Training with Limited Feedback for Multiuser mmWave Massive MIMO. , 2020, , .		1
71	MmWave MIMO Hybrid Precoding Design Using Phase Shifters and Switches. , 2021, , .		1
72	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

#	ARTICLE	IF	CITATIONS
73	Comparisons of channel estimation for OFDM-based and wavelet-based underwater acoustic communications. , 2013, , .		0
74	Over-Sampled Beamspace Channel Estimation for Millimeter Wave Massive MIMO. , 2018, , .		0
75	Sparse Recovery Algorithms for Pilot Assisted MIMO OFDM Channel Estimation. IEICE Transactions on Communications, 2010, E93-B, 1313-1316.	0.4	0
76	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
77	Spring-Model-Based Wireless Localization in Cooperative User Environments. IEICE Transactions on Communications, 2012, E95.B, 1860-1863.	0.4	0