Daiming Qu

List of Publications by Year
in descending order

76 papers	1,652 citations	361413 20 h-index	330143 37 g-index
77 all docs	77 docs citations	77 times ranked	1123 citing authors

#	Article	IF	Citations
1	Dynamic Preamble-Resource Partitioning for Critical MTC in Massive MIMO Systems. IEEE Internet of Things Journal, 2021, 8, 15361-15371.	8.7	4
2	Machine Learning Enabled Preamble Collision Resolution in Distributed Massive MIMO. IEEE Transactions on Communications, 2021, 69, 2317-2330.	7.8	17
3	Multiple Preambles for High Success Rate of Grant-Free Random Access With Massive MIMO. IEEE Transactions on Wireless Communications, 2019, 18, 4779-4789.	9.2	49
4	Polar Codes With Repeating Bits and the Construction by Cluster Pairwise Error Probability. IEEE Access, 2019, 7, 71627-71635.	4.2	1
5	Short Prototype Filter With Constrained Frequency Spreading for OQAM/FBMC Systems. IEEE Wireless Communications Letters, 2019, 8, 1000-1003.	5.0	4
6	Smoothing Beamformer for MIMO-FBMC Based on Frequency Spreading. , 2019, , .		2
7	Hybrid CRC and Parity-Check-Concatenated Polar Codes with Shared Encoder. , 2019, , .		2
8	Success Probability of Grant-Free Random Access With Massive MIMO. IEEE Internet of Things Journal, 2019, 6, 506-516.	8.7	75
9	Receiver Design for Alamouti Coded FBMC System in Highly Frequency Selective Channels. IEEE Transactions on Broadcasting, 2019, 65, 601-608.	3.2	12
10	FDM-Structured Preamble Optimization for Channel Estimation in MIMO-OQAM/FBMC Systems. IEEE Transactions on Wireless Communications, 2018, 17, 8433-8443.	9.2	20
11	An Efficient Preamble Design Based on Comb-Type Pilots for Channel Estimation in FBMC/OQAM Systems. IEEE Access, 2018, 6, 64698-64707.	4.2	7
12	OQAM-OFDM for Wireless Communications in Future Internet of Things: A Survey on Key Technologies and Challenges. IEEE Internet of Things Journal, 2018, 5, 3788-3809.	8.7	41
13	Fundamentals of OQAM/FBMC. , 2018, , 25-38.		1
14	Peak-to-Average Power Ratio. , 2018, , 95-129.		0
15	Virtual Carrier Sensing-Based Random Access in Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 6590-6600.	9.2	7
16	Improving Spectral Efficiency of FBMC-OQAM Through Virtual Symbols. IEEE Transactions on Wireless Communications, 2017, 16, 4204-4215.	9.2	21
17	Finer SVD-Based Beamforming for FBMC/OQAM Systems. , 2016, , .		6
18	A new data-aided synchronization scheme for FBMC-OQAM systems. , 2016, , .		4

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19	Block-wise Alamouti schemes for OQAM-OFDM systems with complex orthogonality. Wireless Communications and Mobile Computing, 2016, 16, 2975-2990.	1.2	8
20	Parity-Check-Concatenated Polar Codes. IEEE Communications Letters, 2016, 20, 2342-2345.	4.1	92
21	Coded Auxiliary Pilots for Channel Estimation in FBMC-OQAM Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 2936-2946.	6.3	80
22	Tail shortening by virtual symbols in FBMC-OQAM signals. , 2015, , .		11
23	Preamble optimization based on frequency domain averaging for channel estimation in OQAM-OFDM systems. , 2015, , .		7
24	Radio Vortexâ€"Multiple-Input Multiple-Output Communication Systems With High Capacity. IEEE Access, 2015, 3, 2456-2464.	4.2	23
25	Invertible Subset QC-LDPC Codes for PAPR Reduction of OFDM Signals. IEEE Transactions on Broadcasting, 2015, 61, 290-298.	3.2	30
26	Invertible Subset LDPC Code for PAPR Reduction in OFDM Systems with Low Complexity. IEEE Transactions on Wireless Communications, 2014, 13, 2204-2213.	9.2	28
27	Time Domain Channel Estimation for OQAM-OFDM Systems: Algorithms and Performance Bounds. IEEE Transactions on Signal Processing, 2014, 62, 322-330.	5.3	84
28	Partition Optimization in LDPC-Coded OFDM Systems With PTS PAPR Reduction. IEEE Transactions on Vehicular Technology, 2014, 63, 4108-4113.	6.3	26
29	Energy-efficient NC-OFDM/OQAM-based cognitive radio networks. , 2014, 52, 54-60.		29
30	Efficient Spectrum Utilization on TV Band for Cognitive Radio Based High Speed Vehicle Network. IEEE Transactions on Wireless Communications, 2014, 13, 5319-5329.	9.2	17
31	On the interference avoidance method in two-tier LTE networks with femtocells. , 2013, , .		3
32	Joint Decoding of LDPC Code and Phase Factors for OFDM Systems With PTS PAPR Reduction. IEEE Transactions on Vehicular Technology, 2013, 62, 444-449.	6.3	18
33	Frequency domain averaging for channel estimation in OQAM-OFDM systems. , 2013, , .		10
34	Analysis on the transmission delay of priority-based secondary users in cognitive radio networks. , 2013, , .		1
35	Novel adaptive collaboration sensing for efficient acquisition of spectrum opportunities in cognitive radio networks. Wireless Networks, 2013, 19, 247-258.	3.0	2
36	Prototype Filter Optimization to Minimize Stopband Energy With NPR Constraint for Filter Bank Multicarrier Modulation Systems. IEEE Transactions on Signal Processing, 2013, 61, 159-169.	5.3	84

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37	Multi-Block Joint Optimization for the Peak-to-Average Power Ratio Reduction of FBMC-OQAM Signals. IEEE Transactions on Signal Processing, 2013, 61, 1605-1613.	5.3	122
38	Carrier frequency offset estimation for non-contiguous OFDM receiver in cognitive radio systems. , 2013, , .		0
39	Design of LDPC codes for non-contiguous OFDM-based communication systems. , 2012, , .		3
40	Throughput improvement for OFDMA femtocell networks through spectrum allocation and access control strategy. , 2012, , .		7
41	Sliding Window Tone Reservation Technique for the Peak-to-Average Power Ratio Reduction of FBMC-OQAM Signals. IEEE Wireless Communications Letters, 2012, 1, 268-271.	5.0	85
42	Throughput Maximization in Cognitive Radio System with Transmission Probability Scheduling and Traffic Pattern Prediction. Mobile Networks and Applications, 2012, 17, 604-617.	3.3	8
43	An improved spectrum management scheme for OFDMA femtocell networks. , 2012, , .		4
44	A robust frequency synchronization method for non-contiguous OFDM-based cognitive radio systems. , 2012, , .		2
45	Detection of Non-Contiguous OFDM Symbols for Cognitive Radio Systems without Out-of-Band Spectrum Synchronization. IEEE Transactions on Wireless Communications, 2011, 10, 693-701.	9.2	35
46	Efficient Discovery of Spectrum Opportunities via Adaptive Collaborative Spectrum Sensing in Cognitive Radio Networks. , 2011, , .		1
47	Sidelobe Suppression Using Extended Active Interference Cancellation with Self-Interferences Constraint for Cognitive OFDM Systems. Mobile Networks and Applications, 2011, 16, 544-552.	3.3	2
48	Improving Achievable Traffic Load of Secondary Users under GoS Constraints in Cognitive Wireless Networks. , 2011, , .		4
49	Low Overhead Cyclostationary Signatures Based on Hopping Subcarrier in OFDM-Based Dynamic Spectrum Access Networks. , 2011, , .		3
50	Economic modelâ€based radio resource management with QoS guarantees in the CDMA uplink. European Transactions on Telecommunications, 2010, 21, 178-186.	1.2	3
51	Extended Active Interference Cancellation for Sidelobe Suppression in Cognitive Radio OFDM Systems With Cyclic Prefix. IEEE Transactions on Vehicular Technology, 2010, 59, 1689-1695.	6.3	97
52	Radio-Resource Management and Access-Control Mechanism Based on a Novel Economic Model in Heterogeneous Wireless Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 3047-3056.	6.3	57
53	Coordinated User Scheduling and Power Control for Weighted Sum Throughput Maximization of Multicell Network. , 2010, , .		4
54	Joint Channel Estimation and PTS to Reduce Peak-to-Average-Power Radio in OFDM Systems Without Side Information. IEEE Signal Processing Letters, 2010, 17, 883-886.	3.6	52

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55	Active Subchannel Detection for Non-Contiguous OFDM-Based Cognitive Radio Systems. , 2010, , .		4
56	Cyclostationarity Based Multi-Antenna Spectrum Sensing in Cognitive Radio Networks. , 2010, , .		16
57	Low complexity iterative interference estimation and decoding for OFDM-based cognitive radio systems. , 2009, , .		1
58	Cyclostationarity-based spectrum sensing with subspace projection. , 2009, , .		3
59	Novel multiple slots energy detection for spectrum sensing in cognitive radio networks. , 2009, , .		7
60	Multi-slot spectrum sensing with backward SPRT in cognitive radio networks. , 2009, , .		6
61	Sidelobe suppression using extended active interference cancellation with self-interference constraint for cognitive OFDM system. , 2009, , .		5
62	Interference avoidance based on multi-step-ahead prediction for cognitive radio. , 2008, , .		5
63	Spectral Sculpting for OFDM Based Opportunistic Spectrum Access by Extended Active Interference Cancellation. , 2008, , .		18
64	On the Nonlinear Companding Transform for Reduction in PAPR of MCM Signals. IEEE Transactions on Wireless Communications, 2007, 6, 2017-2021.	9.2	91
65	An equalization technique for distributed stbc-ofdm system with multiple carrier frequency offsets. , 2006, , .		40
66	Two Novel Nonlinear Companding Schemes With Iterative Receiver to Reduce PAPR in Multi-Carrier Modulation Systems. IEEE Transactions on Broadcasting, 2006, 52, 268-273.	3.2	96
67	Low complexity LMMSE turbo equalization for combined error control coded and linearly precoded OFDM. Journal of Electronics, 2006, 23, 1-6.	0.2	1
68	Utility Maximization of Layered Video Multicasting for Wireless Systems with Adaptive Modulation and Coding. , 2006, , .		15
69	Training Sequence Design and Parameter Estimation of MIMO Channels with Carrier Frequency Offsets. IEEE Transactions on Wireless Communications, 2006, 5, 3662-3666.	9.2	4
70	Performance Investigation of Distributed STBC-OFDM System with Multiple Carrier Frequency Offsets. , 2006, , .		8
71	A frequency diversity scheme using linear constellation precoding for V-BLAST OFDM system. , 2004, , .		0
72	General differential space-time modulation. , 0, , .		8

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73	Low complexity lmmse turbo equalization for linearly precoded OFDM. , 0, , .		3
74	VBLAST-OFDM system with linear constellation precoding. , 0, , .		4
75	Performance evaluation of V-BLAST detection algorithms and a novel segmented detection algorithm. , 0, , .		1
76	Utility Based Optimal Layering and Adaptive Transmission for Video Multicasting over Wireless Systems. , 0, , .		0