

Daiming Qu

List of Publications by Year in descending order

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76
papers

1,652
citations

361045

20
h-index

329751

37
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77
all docs

77
docs citations

77
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.2	122
2	Extended Active Interference Cancellation for Sidelobe Suppression in Cognitive Radio OFDM Systems With Cyclic Prefix. IEEE Transactions on Vehicular Technology, 2010, 59, 1689-1695.	3.9	97
3	Two Novel Nonlinear Companding Schemes With Iterative Receiver to Reduce PAPR in Multi-Carrier Modulation Systems. IEEE Transactions on Broadcasting, 2006, 52, 268-273.	2.5	96
4	Parity-Check-Concatenated Polar Codes. IEEE Communications Letters, 2016, 20, 2342-2345.	2.5	92
5	On the Nonlinear Companding Transform for Reduction in PAPR of MCM Signals. IEEE Transactions on Wireless Communications, 2007, 6, 2017-2021.	6.1	91
6	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.	3.2	85
7	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.	3.2	84
8	Time Domain Channel Estimation for OQAM-OFDM Systems: Algorithms and Performance Bounds. IEEE Transactions on Signal Processing, 2014, 62, 322-330.	3.2	84
9	Coded Auxiliary Pilots for Channel Estimation in FBMC-OQAM Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 2936-2946.	3.9	80
10	Success Probability of Grant-Free Random Access With Massive MIMO. IEEE Internet of Things Journal, 2019, 6, 506-516.	5.5	75
11	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.	3.9	57
12	Joint Channel Estimation and PTS to Reduce Peak-to-Average-Power Ratio in OFDM Systems Without Side Information. IEEE Signal Processing Letters, 2010, 17, 883-886.	2.1	52
13	Multiple Preambles for High Success Rate of Grant-Free Random Access With Massive MIMO. IEEE Transactions on Wireless Communications, 2019, 18, 4779-4789.	6.1	49
14	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.	5.5	41
15	An equalization technique for distributed stbc-ofdm system with multiple carrier frequency offsets. , 2006, , .		40
16	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.	6.1	35
17	Invertible Subset QC-LDPC Codes for PAPR Reduction of OFDM Signals. IEEE Transactions on Broadcasting, 2015, 61, 290-298.	2.5	30
18	Energy-efficient NC-OFDM/OQAM-based cognitive radio networks. , 2014, 52, 54-60.		29

#	ARTICLE	IF	CITATIONS
19	Invertible Subset LDPC Code for PAPR Reduction in OFDM Systems with Low Complexity. IEEE Transactions on Wireless Communications, 2014, 13, 2204-2213.	6.1	28
20	Partition Optimization in LDPC-Coded OFDM Systems With PTS PAPR Reduction. IEEE Transactions on Vehicular Technology, 2014, 63, 4108-4113.	3.9	26
21	Radio Vortex—Multiple-Input Multiple-Output Communication Systems With High Capacity. IEEE Access, 2015, 3, 2456-2464.	2.6	23
22	Improving Spectral Efficiency of FBMC-OQAM Through Virtual Symbols. IEEE Transactions on Wireless Communications, 2017, 16, 4204-4215.	6.1	21
23	FDM-Structured Preamble Optimization for Channel Estimation in MIMO-OQAM/FBMC Systems. IEEE Transactions on Wireless Communications, 2018, 17, 8433-8443.	6.1	20
24	Spectral Sculpting for OFDM Based Opportunistic Spectrum Access by Extended Active Interference Cancellation. , 2008, , .		18
25	Joint Decoding of LDPC Code and Phase Factors for OFDM Systems With PTS PAPR Reduction. IEEE Transactions on Vehicular Technology, 2013, 62, 444-449.	3.9	18
26	Efficient Spectrum Utilization on TV Band for Cognitive Radio Based High Speed Vehicle Network. IEEE Transactions on Wireless Communications, 2014, 13, 5319-5329.	6.1	17
27	Machine Learning Enabled Preamble Collision Resolution in Distributed Massive MIMO. IEEE Transactions on Communications, 2021, 69, 2317-2330.	4.9	17
28	Cyclostationarity Based Multi-Antenna Spectrum Sensing in Cognitive Radio Networks. , 2010, , .		16
29	Utility Maximization of Layered Video Multicasting for Wireless Systems with Adaptive Modulation and Coding. , 2006, , .		15
30	Receiver Design for Alamouti Coded FBMC System in Highly Frequency Selective Channels. IEEE Transactions on Broadcasting, 2019, 65, 601-608.	2.5	12
31	Tail shortening by virtual symbols in FBMC-OQAM signals. , 2015, , .		11
32	Frequency domain averaging for channel estimation in OQAM-OFDM systems. , 2013, , .		10
33	General differential space-time modulation. , 0, , .		8
34	Performance Investigation of Distributed STBC-OFDM System with Multiple Carrier Frequency Offsets. , 2006, , .		8
35	Throughput Maximization in Cognitive Radio System with Transmission Probability Scheduling and Traffic Pattern Prediction. Mobile Networks and Applications, 2012, 17, 604-617.	2.2	8
36	Block-wise Alamouti schemes for OQAM-OFDM systems with complex orthogonality. Wireless Communications and Mobile Computing, 2016, 16, 2975-2990.	0.8	8

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37	Novel multiple slots energy detection for spectrum sensing in cognitive radio networks. , 2009, , .		7
38	Throughput improvement for OFDMA femtocell networks through spectrum allocation and access control strategy. , 2012, , .		7
39	Preamble optimization based on frequency domain averaging for channel estimation in OQAM-OFDM systems. , 2015, , .		7
40	An Efficient Preamble Design Based on Comb-Type Pilots for Channel Estimation in FBMC/OQAM Systems. IEEE Access, 2018, 6, 64698-64707.	2.6	7
41	Virtual Carrier Sensing-Based Random Access in Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2018, 17, 6590-6600.	6.1	7
42	Multi-slot spectrum sensing with backward SPRT in cognitive radio networks. , 2009, , .		6
43	Finer SVD-Based Beamforming for FBMC/OQAM Systems. , 2016, , .		6
44	Interference avoidance based on multi-step-ahead prediction for cognitive radio. , 2008, , .		5
45	Sidelobe suppression using extended active interference cancellation with self-interference constraint for cognitive OFDM system. , 2009, , .		5
46	VBLAST-OFDM system with linear constellation precoding. , 0, , .		4
47	Training Sequence Design and Parameter Estimation of MIMO Channels with Carrier Frequency Offsets. IEEE Transactions on Wireless Communications, 2006, 5, 3662-3666.	6.1	4
48	Coordinated User Scheduling and Power Control for Weighted Sum Throughput Maximization of Multicell Network. , 2010, , .		4
49	Active Subchannel Detection for Non-Contiguous OFDM-Based Cognitive Radio Systems. , 2010, , .		4
50	Improving Achievable Traffic Load of Secondary Users under GoS Constraints in Cognitive Wireless Networks. , 2011, , .		4
51	An improved spectrum management scheme for OFDMA femtocell networks. , 2012, , .		4
52	A new data-aided synchronization scheme for FBMC-OQAM systems. , 2016, , .		4
53	Short Prototype Filter With Constrained Frequency Spreading for OQAM/FBMC Systems. IEEE Wireless Communications Letters, 2019, 8, 1000-1003.	3.2	4
54	Dynamic Preamble-Resource Partitioning for Critical MTC in Massive MIMO Systems. IEEE Internet of Things Journal, 2021, 8, 15361-15371.	5.5	4

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55	Low complexity lmmse turbo equalization for linearly precoded OFDM. , 0, , .		3
56	Cyclostationarity-based spectrum sensing with subspace projection. , 2009, , .		3
57	Economic model-based radio resource management with QoS guarantees in the CDMA uplink. European Transactions on Telecommunications, 2010, 21, 178-186.	1.2	3
58	Low Overhead Cyclostationary Signatures Based on Hopping Subcarrier in OFDM-Based Dynamic Spectrum Access Networks. , 2011, , .		3
59	Design of LDPC codes for non-contiguous OFDM-based communication systems. , 2012, , .		3
60	On the interference avoidance method in two-tier LTE networks with femtocells. , 2013, , .		3
61	Sidelobe Suppression Using Extended Active Interference Cancellation with Self-Interferences Constraint for Cognitive OFDM Systems. Mobile Networks and Applications, 2011, 16, 544-552.	2.2	2
62	A robust frequency synchronization method for non-contiguous OFDM-based cognitive radio systems. , 2012, , .		2
63	Novel adaptive collaboration sensing for efficient acquisition of spectrum opportunities in cognitive radio networks. Wireless Networks, 2013, 19, 247-258.	2.0	2
64	Smoothing Beamformer for MIMO-FBMC Based on Frequency Spreading. , 2019, , .		2
65	Hybrid CRC and Parity-Check-Concatenated Polar Codes with Shared Encoder. , 2019, , .		2
66	Performance evaluation of V-BLAST detection algorithms and a novel segmented detection algorithm. , 0, , .		1
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	Low complexity iterative interference estimation and decoding for OFDM-based cognitive radio systems. , 2009, , .		1
69	Efficient Discovery of Spectrum Opportunities via Adaptive Collaborative Spectrum Sensing in Cognitive Radio Networks. , 2011, , .		1
70	Analysis on the transmission delay of priority-based secondary users in cognitive radio networks. , 2013, , .		1
71	Fundamentals of OQAM/FBMC. , 2018, , 25-38.		1
72	Polar Codes With Repeating Bits and the Construction by Cluster Pairwise Error Probability. IEEE Access, 2019, 7, 71627-71635.	2.6	1

#	ARTICLE	IF	CITATIONS
73	A frequency diversity scheme using linear constellation precoding for V-BLAST OFDM system. , 2004, , .		0
74	Utility Based Optimal Layering and Adaptive Transmission for Video Multicasting over Wireless Systems. , 0, , .		0
75	Carrier frequency offset estimation for non-contiguous OFDM receiver in cognitive radio systems. , 2013, , .		0
76	Peak-to-Average Power Ratio. , 2018, , 95-129.		0