

Haiquan Wang

List of Publications by Year in descending order

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51
papers

469
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933447

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all docs

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51
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrum sensing in cognitive radio using goodness of fit testing. IEEE Transactions on Wireless Communications, 2009, 8, 5427-5430.	9.2	109
2	On Optimal Quasi-Orthogonal Space-Time Block Codes With Minimum Decoding Complexity. IEEE Transactions on Information Theory, 2009, 55, 1104-1130.	2.4	75
3	On Design of Non-Orthogonal Pilot Signals for a Multi-Cell Massive MIMO System. IEEE Wireless Communications Letters, 2015, 4, 129-132.	5.0	41
4	Addressing the Curse of Mobility in Massive MIMO With Prony-Based Angular-Delay Domain Channel Predictions. IEEE Journal on Selected Areas in Communications, 2020, 38, 2903-2917.	14.0	32
5	SVD-Based Low-Complexity Hybrid Precoding for Millimeter-Wave MIMO Systems. IEEE Communications Letters, 2018, 22, 2176-2179.	4.1	31
6	Multiple Antennas Assisted Blind Spectrum Sensing in Cognitive Radio Channels. IEEE Communications Letters, 2012, 16, 92-94.	4.1	27
7	On Quasi-Orthogonal Space-Time Block Codes for Dual-Polarized MIMO Channels. IEEE Transactions on Wireless Communications, 2012, 11, 397-407.	9.2	18
8	Some Designs and Normalized Diversity Product Upper Bounds for Lattice-Based Diagonal and Full-Rate Space-Time Block Codes. IEEE Transactions on Information Theory, 2009, 55, 569-583.	2.4	16
9	Decoding Method Based on Complex ICA for a Multicell Massive MIMO Uplink System. IEEE Signal Processing Letters, 2016, 23, 648-652.	3.6	12
10	How Many Antenna Arrays Are Dense Enough in Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3042-3053.	6.3	12
11	Spectrum sensing based on goodness of fit tests. , 2011, , .		11
12	Channel estimations based on superimposed pilots for massive MIMO uplink systems. , 2016, , .		10
13	ICA Based Semi-Blind Decoding Method for a Multicell Multiuser Massive MIMO Uplink System in Rician/Rayleigh Fading Channels. IEEE Transactions on Wireless Communications, 2017, 16, 7501-7511.	9.2	10
14	Performance analysis of ZF and MMSE receivers in uplink of MU-MIMO system. , 2012, , .		8
15	Unitary and Non-Unitary Precoders for a Limited Feedback Precoded OSTBC System. IEEE Transactions on Vehicular Technology, 2013, 62, 1646-1654.	6.3	8
16	A massive MIMO system with space-time block codes. , 2016, , .		7
17	Recursive Space-Time Trellis Codes Using Differential Encoding. IEEE Transactions on Information Theory, 2009, 55, 531-546.	2.4	4
18	ICA based decoding for a multi-cell massive MIMO uplink system. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	On the sum-rate of the uplink massive MIMO systems with multiple compact antenna arrays. , 2016, , .		3
20	Channel estimation using superimposed pilots and second-order statistics for massive MIMO networks. , 2017, , .		3
21	Dealing with the Mobility Problem of Massive MIMO using Extended Prony's Method. , 2020, , .		3
22	Constellation coordination and pilot reuse for multi-cell large-scale MIMO systems. IET Communications, 2020, 14, 357-363.	2.2	3
23	Spatial Multiplexing Superimposed Pilots for Multicell Multiuser MIMO Uplink Systems. IEEE Systems Journal, 2022, 16, 3151-3162.	4.6	3
24	Anderson-Darling Sensing of Existence of Unknown Signals in a Fading Channel. , 2009, , .		2
25	Covariance matrix based spectrum sensing for OFDM based cognitive radio. , 2012, , .		2
26	Encoding and Decoding for Multicell Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 7964-7973.	6.3	2
27	Single branch search based pilot allocation for multi-cell massive multiple-input multiple-output systems. IET Communications, 2017, 11, 726-732.	2.2	2
28	An Approach to Reduce the Overhead of Training Sequences in FDD Massive MIMO Downlink Systems. IEEE Wireless Communications Letters, 2019, 8, 1301-1305.	5.0	2
29	Joint Tx Power Allocation and Rx Power Splitting for SWIPT Systems With Battery Status Information. IEEE Wireless Communications Letters, 2020, 9, 1442-1446.	5.0	2
30	Distributed differential space-time codes based on Weyl's reciprocity. , 2009, , .		1
31	Fast Block Edge Direction Analysis in DCT domain. , 2010, , .		1
32	On quasi-orthogonal space-time block codes for dual-polarized MIMO channels. , 2011, , .		1
33	Designs and performance analysis on ML-decoders in a two user's interference channel. , 2011, , .		1
34	On ML-decoders in a two user interference channel with slow flat fading. IET Communications, 2014, 8, 1467-1476.	2.2	1
35	New decoders in a two user's interference channel. , 2015, , .		1
36	An Iterative Channel Estimation Method for Multi-Cell Massive MIMO Systems. IEEE Access, 2018, 6, 39969-39975.	4.2	1

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37	Equivalence of Joint ML-Decoding and Separate MMSE-ML Decoding for Training-Based MIMO Systems. IEEE Access, 2019, 7, 178862-178869.	4.2	1
38	A Fast Encoding Algorithm for a MIMO System with Finite-Bit Feedback. , 2009, , .		0
39	A method for spectrum sensing based on distribution statistics. , 2009, , .		0
40	Fast decoding methods for a MIMO system with finite-bit feedback. , 2010, , .		0
41	ML-Decoder and Criterion of Designing Codebook for a Relay Network. , 2012, , .		0
42	A MIMO system with finite-bit feedback based on fixed constellations. Science China Information Sciences, 2013, 56, 1-14.	4.3	0
43	Beam-forming for MISO interference channel using pair-wise probability criterion. , 2013, , .		0
44	Affine projection based decoder based on diagonal space-time block codes in a Multiuser MIMO downlink system. , 2013, , .		0
45	Alamouti scheme based affine projection decoder in a Multiuser MIMO downlink system. , 2013, , .		0
46	Criteria of designing codebooks and a relay selection scheme for a relay network. International Journal of Communication Systems, 2016, 29, 977-991.	2.5	0
47	Pilot contamination alleviated coding and decoding for multicell massive MIMO systems. , 2016, , .		0
48	Asymptotic orthogonality based decoders for satellite communication systems. , 2016, , .		0
49	How Many Signals Can Be Sent in a Multi-Cell Massive MIMO System. IEEE Wireless Communications Letters, 2018, 7, 368-371.	5.0	0
50	Analytic Expressions of Decoding Thresholds for LDPC Codes Over BEC. IEEE Communications Letters, 2021, 25, 1052-1056.	4.1	0
51	STBC Based Decoders for Two-User Interference MIMO Channels. IEICE Transactions on Communications, 2019, E102.B, 1875-1884.	0.7	0