

Wessam Mesbah

List of Publications by Year in descending order

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50
papers

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citations

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docs citations

53
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	An Algorithm for Accurate Detection and Correction of Technical and Nontechnical Losses Using Smart Metering. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 8809-8820.	4.7	24
2	Securing Smart Electricity Meters Against Customer Attacks. IEEE Transactions on Smart Grid, 2018, 9, 101-110.	9.0	18
3	Optimized Power Allocation for Pairwise Cooperative Multiple Access. IEEE Transactions on Signal Processing, 2008, 56, 2994-3008.	5.3	17
4	A Wireless Geophone Network Architecture Using IEEE 802.11af With Power Saving Schemes. IEEE Transactions on Wireless Communications, 2019, 18, 5967-5982.	9.2	17
5	Joint Power and Channel Resource Allocation for Two-User Orthogonal Amplify-and-Forward Cooperation. IEEE Transactions on Wireless Communications, 2008, 7, 4681-4691.	9.2	16
6	Power and Resource Allocation for Orthogonal Multiple Access Relay Systems. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.7	14
7	Power and resource allocation for orthogonal multiple access relay systems. , 2008, , .		13
8	Utility Maximization for Layered Transmission Using the Broadcast Approach. IEEE Transactions on Wireless Communications, 2012, 11, 1228-1238.	9.2	13
9	Artificial Noise-Based Physical-Layer Security in Interference Alignment Multipair Two-Way Relaying Networks. IEEE Access, 2018, 6, 19073-19085.	4.2	13
10	Analysis of Wireless Seismic Data Acquisition Networks using Markov Chain Models. , 2018, , .		11
11	Efficient algorithms for physical layer security in two-way relay systems. Physical Communication, 2018, 28, 78-88.	2.1	10
12	Jointly Optimal Rate and Power Allocation for Multilayer Transmission. IEEE Transactions on Wireless Communications, 2014, 13, 834-845.	9.2	9
13	Efficient algorithms for physical layer security in one-way relay systems. Wireless Networks, 2019, 25, 1327-1339.	3.0	7
14	Utility Maximization for Layered Broadcast over Rayleigh Fading Channels. , 2010, , .		6
15	Cost-efficient secondary users grouping for two-tier cognitive radio networks. Physical Communication, 2017, 25, 1-13.	2.1	6
16	Wireless Backhaul Strategies for Real-Time High-Density Seismic Acquisition. , 2020, , .		6
17	Rate-Optimal MIMO Transmission with Mean and Covariance Feedback at Low SNRs. IEEE Transactions on Vehicular Technology, 2009, 58, 3802-3807.	6.3	5
18	An efficient physical layer security algorithm for two-way relay systems. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
19	Cross-Layer Design and Analysis of Wireless Geophone Networks Utilizing TV White Space. IEEE Access, 2020, 8, 118542-118558.	4.2	5
20	Energy-Efficient mm-Wave Backhauling via Frame Aggregation in Wide Area Networks. IEEE Transactions on Wireless Communications, 2021, 20, 6954-6970.	9.2	5
21	Joint power and resource allocation for orthogonal amplify-and-forward pairwise user cooperation. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	4
22	Coordinated coalition formation in throughput-efficient cognitive radio networks. Wireless Communications and Mobile Computing, 2016, 16, 912-928.	1.2	4
23	Secure Interference Alignment Based Multiuser Relay System Using Artificial Noise. , 2017, , .		4
24	Optimal Power and Resource Allocation For Half-Duplex Cooperative Multiple Access. , 2006, , .		3
25	Rate-optimal MIMO transmission with mean and covariance feedback at low SNR. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	3
26	Joint Rate, Power, and Decoding Order Optimization of Multiuser MIMO Systems. IEEE Transactions on Wireless Communications, 2011, 10, 1681-1686.	9.2	3
27	Weighted-Sum-Rate Maximization in Certain Half-Duplex Cooperative Systems. IEEE Wireless Communications Letters, 2012, 1, 213-216.	5.0	3
28	Distributed Coalition Formation and Bandwidth Allocation in Ad Hoc Cognitive Radio Networks. , 2014, , .		3
29	Detection and correction of tampering attempts of smart electricity meters. , 2016, , .		3
30	An Energy-Efficient IEEE 802.11ad Mesh Network for Seismic Acquisition. , 2020, , .		3
31	Time Skew Mitigation in Smart Meters for Tampering Detection and Correction. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	3
32	AoD-Adaptive Channel Feedback for FDD Massive MIMO Systems With Multiple-Antenna Users. IEEE Access, 2022, 10, 4431-4447.	4.2	3
33	Joint Rate, Power, and Decoding Order Optimization of MIMO-MAC with MMSE-SIC. , 2009, , .		2
34	Distortion minimization in layered broadcast transmission of a Gaussian source over Rayleigh channels. , 2013, , .		2
35	Rate maximization of multilayer transmission over Rayleigh fading channels. , 2013, , .		2
36	Incentive-Based Game Theoretic Approach for Wind Power Balancing Using Electric Vehicles. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
37	Throughput-efficient coalition formation of selfish/altruistic nodes in ad hoc networks: a hedonic game approach. <i>Telecommunication Systems</i> , 2018, 67, 95-111.	2.5	2
38	AoD-Adaptive Channel Feedback in FDD Massive MIMO Systems with Multiple-Antenna Users. , 2018, , .		2
39	Sum-rate maximization and data delivery for wireless seismic acquisition. <i>Wireless Networks</i> , 2020, 26, 6095-6110.	3.0	2
40	Efficient weighted-sum-rate maximization for a class of half-duplex cooperative systems. , 2010, , .		1
41	Utility maximization for layered multimedia transmission via orthogonal multiplexing. , 2010, , .		1
42	Fundamental Performance Limits of mm-Wave Cooperative Localization in Linear Topologies. <i>IEEE Wireless Communications Letters</i> , 2020, 9, 1899-1903.	5.0	1
43	Sum-rate maximization for wireless seismic data acquisition systems. , 2018, , .		1
44	Optimization of a Modified Orthogonal Amplify-and-Forward Pairwise User Cooperation Scheme. , 2008, , .		0
45	Jointly optimized heterogeneous MIMO broadcast systems. , 2010, , .		0
46	Optimal power allocation for layered multimedia transmission via broadcast over rayleigh fading channels. , 2010, , .		0
47	GPS-Assisted Spectrum Allocation for Cognitive Radio Networks with Femtocells. , 2014, , .		0
48	Throughput-efficient Joint Coalition Formation and Bandwidth Allocation in Cognitive Radio Networks. , 2014, , .		0
49	Improving Physical Layer Security in Two-Way Relay Systems. , 2018, , .		0
50	Throughput-Efficient Spectrum Access in Cognitive Radio Networks. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2015, , 454-477.	0.4	0