

Ahmed H Abd El-Malek

List of Publications by Year in descending order

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45
papers

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citations

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docs citations

45
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	Security-Reliability Trade-Off Analysis for Multiuser SIMO Mixed RF/FSO Relay Networks With Opportunistic User Scheduling. IEEE Transactions on Wireless Communications, 2016, 15, 5904-5918.	9.2	86
2	A Bandwidth-Efficient Cognitive Radio With Two-Path Amplify-and-Forward Relaying. IEEE Wireless Communications Letters, 2015, 4, 66-69.	5.0	73
3	Effect of RF Interference on the Security-Reliability Tradeoff Analysis of Multiuser Mixed RF/FSO Relay Networks With Power Allocation. Journal of Lightwave Technology, 2017, 35, 1490-1505.	4.6	64
4	Outage Analysis of Mixed Underlay Cognitive RF MIMO and FSO Relaying With Interference Reduction. IEEE Photonics Journal, 2017, 9, 1-22.	2.0	31
5	New Bandwidth Efficient Relaying Schemes in Cooperative Cognitive Two-Way Relay Networks With Physical Layer Security. IEEE Transactions on Vehicular Technology, 2017, 66, 5372-5386.	6.3	25
6	Resource Allocation and Cluster Formation for Imperfect NOMA in DL/UL Decoupled HetNets. , 2017, , .		23
7	Physical Layer Security Enhancement for Internet of Things in the Presence of Co-Channel Interference and Multiple Eavesdroppers. IEEE Internet of Things Journal, 2019, 6, 6441-6452.	8.7	21
8	Throughput Maximization of Hybrid Access in Multi-Class Cognitive Radio Networks With Energy Harvesting. IEEE Transactions on Communications, 2021, 69, 2962-2974.	7.8	18
9	Performance Analysis and Power Optimization for Spectrum-Sharing Mixed RF/FSO Relay Networks With Energy Harvesting. IEEE Photonics Journal, 2019, 11, 1-17.	2.0	17
10	Enhancing Physical Layer Security of Multiuser SIMO Mixed RF/FSO Relay Networks with Multi-Eavesdroppers. , 2016, , .		13
11	An Optimal Policy for Hybrid Channel Access in Cognitive Radio Networks With Energy Harvesting. IEEE Transactions on Vehicular Technology, 2020, 69, 11253-11265.	6.3	11
12	Evolutionary computation technique enhancing the performance of cognitive radio networks with energy harvesting. Ad Hoc Networks, 2020, 107, 102254.	5.5	10
13	Optimal Power Allocation for Enhancing Physical Layer Security in Opportunistic Relay Networks in the Presence of Co-Channel Interference. , 2015, , .		9
14	Physical Layer Security Enhancement in Multiuser Mixed RF/FSO Relay Networks under RF Interference. , 2017, , .		9
15	MIMO Cognitive Relay Networks With Correlated Antennas Over Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 5349-5363.	6.3	7
16	Security and reliability analysis of diversity combining techniques in SIMO mixed RF/FSO with multiple users. , 2016, , .		6
17	Cooperative Cognitive Radio Model for Enhancing Physical Layer Security in Two-Path Amplify-and-Forward Relaying Networks. , 2015, , .		4
18	Power Allocation Scheme and Performance Analysis for Multiuser Underlay Full-Duplex Cognitive Radio Networks With Energy Harvesting. IEEE Access, 2018, 6, 59031-59042.	4.2	4

#	ARTICLE	IF	CITATIONS
19	Spectrum Sensing Performance Analysis for Mobile Primary and Secondary Users in Cognitive Radio Networks. , 2019, , .		4
20	A Two-Stage Matching Game and Repeated Auctions for Users Admission and Channels Allocation in 5G HetNets. IEEE Access, 2023, 11, 17739-17754.	4.2	4
21	Power allocation and cooperative jamming for enhancing physical layer security in opportunistic relay networks in the presence of interference. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3178.	3.9	3
22	Energy Efficient Framework for Multiuser Downlink MIMO-NOMA Systems. , 2018, , .		3
23	Power Allocation for Full-Duplex MISO Underlay Cognitive Radio Networks with Energy Harvesting. , 2018, , .		3
24	Securing hybrid channel access cognitive radio networks with energy harvesting. Physical Communication, 2021, 45, 101260.	2.1	3
25	Cooperative Cognitive Radio Model for Enhancing Physical Layer Security in Two-Path Amplify-and-Forward Relaying Networks. , 2014, , .		2
26	Boston School Choice Mechanism for User Association in Heterogeneous Networks. , 2018, , .		2
27	PHY Security Enhancement of Threshold-Based User Selection in Co-Channel Interference Environment. , 2018, , .		2
28	Cognitive Radio Users Admission and Channels Allocation in 5G HetNets: A College-based Matching and Auction Game Approach. , 2019, , .		2
29	Energy-aware node selection scheme with friendly jamming technique for enhancing the secrecy of wireless powered sensor networks. Ad Hoc Networks, 2021, 116, 102498.	5.5	2
30	A Cooperative Model for Enhancing Spectral Efficiency in Two-Way Amplify-and-Forward Relaying Networks. , 2015, , .		1
31	Transmit antenna selection of correlated MIMO multiuser cognitive radio networks in Nakagami- m fading channels. Wireless Communications and Mobile Computing, 2016, 16, 2098-2115.	1.2	1
32	Cooperative Spectrum Sharing Scheme for Enhancing Primary User Performance under Denial of Service Attack. , 2021, , .		1
33	Cognitive Multiuser MIMO in Spectrum Sharing Environment with Antenna Correlation over Nakagami- m Fading. , 2014, , .		0
34	TAS/MRC in cognitive relay networks over Rayleigh fading channels with correlated antennas. , 2014, , .		0
35	Optimal Power Allocation for Enhancing Physical Layer Security in Opportunistic Relay Networks in the Presence of Co-Channel Interference. , 2014, , .		0
36	MIMO multiuser cognitive relay network in spectrum sharing environment with antenna correlation over Rayleigh fading channels. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Enhancing spectral efficiency in cooperative cognitive two-way amplify-and-forward relaying networks. , 2016, , .		0
38	Security-reliability analysis and power allocation in multiuser SIMO mixed RF/FSO relay networks. , 2016, , .		0
39	Performance Analysis and Power Allocation for Underlay Cognitive MIMO Relaying Networks with Transmit Antenna Selection Under Antenna Correlation. Wireless Personal Communications, 2017, 94, 3057-3089.	2.7	0
40	Mobile-based Collaborative Compressive Spectrum Sensing for Cognitive Radio Networks. , 2019, , .		0
41	Multi-Mobile Primary and Secondary Users Spectrum Sensing Effect in Cognitive Radio Networks. , 2019, , .		0
42	User Association in Limited Quota Het-Nets Aided Massive MIMO Networks. IEEE Wireless Communications Letters, 2021, 10, 1366-1369.	5.0	0
43	Cooperative Spectrum Sharing Scheme for Enhancing Primary User Performance under Denial of Service Attack. , 2021, , .		0
44	Development of a Two-Dimensional Ultrasonic Device for Vibration-Assisted Milling. Machines, 2022, 10, 362.	2.2	0
45	Optimal Intra-frame Sensing Interval in IEEE 802.22 WRAN Multi-class Systems. , 2022, , .		0