

Tamer Khattab

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8305135/tamer-khattab-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

131
papers

909
citations

14
h-index

23
g-index

173
ext. papers

1,248
ext. citations

4.9
avg, IF

4.84
L-index

#	Paper	IF	Citations
131	5G Networks Towards Smart and Sustainable Cities: A Review of Recent Developments, Applications and Future Perspectives. <i>IEEE Access</i> , 2022 , 10, 2987-3006	3.5	9
130	A Secure Energy Efficient Scheme for Cooperative IoT Networks.. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	1
129	Deep Reinforcement Learning Powered IRS-Assisted Downlink NOMA. <i>IEEE Open Journal of the Communications Society</i> , 2022 , 1-1	6.7	7
128	ViDMASK dataset for face mask detection with social distance measurement.. <i>Displays</i> , 2022 , 102235	3.4	2
127	Centralized, Distributed, and Module-Integrated Electric Power System Schemes in CubeSats: Performance Assessment. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
126	Performance of THz Communications over Cascaded RISs: A Practical Solution to the Over-determined Formulation. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	2
125	Reinforcement learning-based decision support system for COVID-19. <i>Biomedical Signal Processing and Control</i> , 2021 , 68, 102676	4.9	8
124	Power Budgeting of LEO Satellites: An Electrical Power System Design for 5G Missions. <i>IEEE Access</i> , 2021 , 9, 113258-113269	3.5	3
123	Coded Caching for Time-Varying Files Popularities and Asynchronous Delivery. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 1458-1472	6.7	1
122	Game Theory for Anti-Jamming Strategy in Multi-Channel Slow fading IoT Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	8
121	A Novel Pandemic Tracking Map: From Theory to Implementation. <i>IEEE Access</i> , 2021 , 9, 51106-51120	3.5	0
120	A review of mathematical model-based scenario analysis and interventions for COVID-19. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 209, 106301	6.9	10
119	Order Statistics-Based Design of UWB Receivers. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1427-1431	3.9	1
118	Deep Learning for RF-Based Drone Detection and Identification: A Multi-Channel 1-D Convolutional Neural Networks Approach 2020 ,		14
117	Design and Implementation of a RF Based Anti-Drone System 2020 ,		6
116	Energy Efficient Spectrum Allocation and Mode Selection for D2D Communications in Heterogeneous Networks. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2020 , 6, 382-393	2.8	0
115	Secure Transmission of IoT mHealth Patient Monitoring Data from Remote Areas Using DTN. <i>IEEE Network</i> , 2020 , 34, 226-231	11.4	15

114	On the Performance of Quickest Detection Spectrum Sensing: The Case of Cumulative Sum. <i>IEEE Communications Letters</i> , 2020 , 24, 739-743	3.8	12
113	Directional Modulation for Secure RFID in Health Systems 2020 ,		1
112	Smart and Secure Wireless Communications via Reflecting Intelligent Surfaces: A Short Survey. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 1442-1456	6.7	29
111	A New Wearable ECG Monitor Evaluation and Experimental Analysis: Proof of Concept 2020 ,		3
110	Joint Security and Energy Efficiency in IoT Networks Through Clustering and Bit Flipping 2019 ,		3
109	Modeling of CubeSat Orientation Scenario and Solar Cells for Internet of Space Provision 2019 ,		3
108	Centralized and Distributed Cognitive Relay-Selection Schemes for SWIPT Cognitive Networks. <i>IEEE Transactions on Communications</i> , 2019 , 67, 7431-7443	6.9	3
107	DroneRF dataset: A dataset of drones for RF-based detection, classification and identification. <i>Data in Brief</i> , 2019 , 26, 104313	1.2	23
106	Design Challenges of Multi-UAV Systems in Cyber-Physical Applications: A Comprehensive Survey and Future Directions. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 3340-3385	37.1	90
105	. <i>IEEE Transactions on Communications</i> , 2019 , 67, 6544-6555	6.9	11
104	RF-based drone detection and identification using deep learning approaches: An initiative towards a large open source drone database. <i>Future Generation Computer Systems</i> , 2019 , 100, 86-97	7.5	66
103	DFT-Based Multi-Directions Directional Modulation. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 1232-1235	5.9	1
102	3D Beamforming With Massive Cylindrical Arrays for Physical Layer Secure Data Transmission. <i>IEEE Communications Letters</i> , 2019 , 23, 830-833	3.8	3
101	Secure mHealth IoT Data Transfer from the Patient to the Hospital: A Three-Tier Approach. <i>IEEE Wireless Communications</i> , 2019 , 26, 70-76	13.4	5
100	Novel Hybrid Physical Layer Security Technique in RFID Systems 2019 ,		4
99	On Network Flow Maximization via Multihop Backhauling and UAVs: An Integer Programming Approach 2019 ,		2
98	Secure DoF for the MIMO MAC: The Case of Knowing Eavesdropper's Channel Statistics Only 2019 ,		1
97	An Efficient Algorithm for Dense Network Flow Maximization with Multihop Backhauling and NFPs 2019 ,		1

96	A Survey on Mobile Crowd-Sensing and Its Applications in the IoT Era. <i>IEEE Access</i> , 2019 , 7, 3855-3881	3.5	30
95	Patch Antenna Array Designs for Wireless Communication Applications Inside Jet Engines. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 971-979	4.9	3
94	On Channel Selection for Carrier Aggregation Systems. <i>IEEE Transactions on Communications</i> , 2018 , 66, 808-818	6.9	3
93	Thresholds Optimization for One-Bit Feedback Multi-User Scheduling. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 646-649	5.9	2
92	Distributed Power Allocation for Multi-Flow Carrier Aggregation in Heterogeneous Cognitive Cellular Networks. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 2486-2498	9.6	6
91	Secure Spatial Multiple Access Using Directional Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 563-573	9.6	21
90	A secure client-side framework for protecting the privacy of health data stored on the cloud 2018 ,		2
89	Maximizing Dense Network Flow through Wireless Multihop Backhauling using UAVs 2018 ,		5
88	Classification for Imperfect EEG Epileptic Seizure in IoT applications: A Comparative Study 2018 ,		6
87	A Simple Approach for Securing IoT Data Transmitted over Multi-RATs 2018 ,		3
86	Energy-efficient cooperative cognitive relaying schemes for cognitive radio networks. <i>Physical Communication</i> , 2018 , 30, 179-192	2.2	5
85	Mean squared error analysis for OFDMA signals under joint Tx/Rx IQ imbalance 2018 ,		2
84	. <i>IEEE Transactions on Communications</i> , 2017 , 1-1	6.9	2
83	On the more accurate channel model and positioning based on time-of-arrival for visible light localization. <i>Optical Engineering</i> , 2017 , 56, 016110	1.1	3
82	A Simple Cross Correlation Switched Beam System (XSBS) for Angle of Arrival Estimation. <i>IEEE Access</i> , 2017 , 5, 3340-3352	3.5	2
81	On the Achievable Rates of OFDM With Common Phase Error Compensation in Phase Noise Channels. <i>IEEE Transactions on Communications</i> , 2017 , 1-1	6.9	2
80	Optimized Error Probability for Weighted Collaborative Spectrum Sensing in Time- and Energy-Limited Cognitive Radio Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 9035-9049	6.8	10
79	Carrier Aggregation for Cooperative Cognitive Radio Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 5904-5918	6.8	13

78	Eigenvalue-Based Multiple Antenna Spectrum Sensing: Higher Order Moments. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 1168-1184	9.6	26
77	Self-interference cancellation using time-domain phase noise estimation in OFDM full-duplex systems 2017 ,		4
76	Estimating the number of sources in white Gaussian noise: simple eigenvalues based approaches. <i>IET Signal Processing</i> , 2017 , 11, 663-673	1.7	6
75	Dynamic interference-limited relay sharing in cognitive radio networks by using hierarchical modulation. <i>IET Communications</i> , 2017 , 11, 1903-1912	1.3	2
74	On the Secure Degrees of Freedom of the K User MIMO MAC with Statistical CSI 2017 ,		2
73	A Simple Angle of Arrival Estimation System 2017 ,		2
72	Exploiting spectrum sensing data for key management. <i>Computer Communications</i> , 2017 , 97, 31-39	5.1	
71	Association of networked flying platforms with small cells for network centric 5G+ C-RAN 2017 ,		16
70	A Distributed Approach for Networked Flying Platform Association with Small Cells in 5G+ Networks 2017 ,		24
69	Maximum Secondary Stable Throughput of a Cooperative Secondary TransmitterReceiver Pair: Protocol Design and Stability Analysis. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 4937-4951	6.8	
68	On the Higher Order Statistics of the Channel Capacity in Dispersed Spectrum Cognitive Radio Systems Over Generalized Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 3818-3823	6.8	11
67	Swinging with the Jet Set: Analysis of Electromagnetic Fields Inside Jet Engines--From Numerical and Experimental Analysis to Statistical Analysis. <i>IEEE Microwave Magazine</i> , 2016 , 17, 61-72	1.2	3
66	Theoretical accuracy analysis of indoor visible light communication positioning system based on time-of-arrival 2016 ,		14
65	Performance of eigenvalue based spectrum sensing in full-duplex cognitive radio networks 2016 ,		3
64	Optimization of probability of error in collaborative spectrum sensing of time-limited cognitive radio networks 2016 ,		2
63	On the coexistence of a primary user with an energy harvesting secondary user: a case of cognitive cooperation. <i>Wireless Communications and Mobile Computing</i> , 2016 , 16, 166-176	1.9	7
62	On dual peak detection UWB receivers in noise and interference dominated environments. <i>AEU - International Journal of Electronics and Communications</i> , 2016 , 70, 121-131	2.8	5
61	Throughput of a cooperative energy harvesting secondary user in cognitive radio networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2016 , 27, 1365-1379	1.9	7

60	Robust secret key extraction from channel secondary random process. <i>Wireless Communications and Mobile Computing</i> , 2016 , 16, 1389-1400	1.9	2
59	Secret communication on the Z-Channel with cooperative receivers 2016 ,		3
58	Unleashing the secure potential of the wireless physical layer: Secret key generation methods. <i>Physical Communication</i> , 2016 , 19, 1-10	2.2	21
57	On the performance of spectrum sensing based on GLR for full-duplex cognitive radio networks 2016 ,		6
56	Relay-Assisted Primary and Secondary Transmissions in Cognitive Radio Networks. <i>IEEE Access</i> , 2016 , 4, 6386-6400	3.5	6
55	Underlay cognitive radio: What is the impact of carrier aggregation and relaying on throughput? 2016 ,		3
54	Optimized collaborative spectrum sensing in energy harvesting cognitive radio networks 2016 ,		4
53	Capacious spread spectrum watermarking utilizing hadamard matrix 2016 ,		2
52	Performance of non-coherent decode-and-forward relaying over time-varying fading channels 2016 ,		1
51	Optimal collaborative energy harvesting spectrum sensing with limited time resource 2016 ,		6
50	Secure multiple-users transmission using multi-path directional modulation 2016 ,		9
49	Energy efficient spectrum allocation and mode selection for mission-critical D2D communications 2016 ,		9
48	On the Design of a Relay-Assisted Network. <i>IEEE Communications Letters</i> , 2015 , 19, 1153-1156	3.8	2
47	Optimal spectrum access for a rechargeable cognitive radio user based on energy buffer state 2015 ,		2
46	Energy-efficient cooperative relaying protocol for full-duplex cognitive radio users and delay-aware primary users 2015 ,		4
45	Optimal cooperative cognitive relaying and spectrum access for an energy harvesting cognitive radio: Reinforcement learning approach 2015 ,		6
44	Comparative simulation for physical layer key generation methods 2015 ,		3
43	Correlated Multiple Antennas Spectrum Sensing Under Calibration Uncertainty. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 6777-6791	9.6	8

42	Estimating the number of sources: An efficient maximization approach 2015 ,		4
41	. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 5221-5231	6.8	4
40	Efficient Collaborative Spectrum Sensing under the Smart Primary User Emulation Attacker Network 2015 ,		6
39	On spectrum sharing between energy harvesting cognitive radio users and primary users 2015 ,		20
38	On the Performance of Hadamard Ratio Detector-Based Spectrum Sensing for Cognitive Radios. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 3809-3824	4.8	13
37	Secret Key Generation Based on AoA Estimation for Low SNR Conditions 2015 ,		10
36	Channel secondary random process for robust secret key generation 2015 ,		1
35	2015 ,		2
34	Secrecy for MIMO wiretap and MIMO broadcast channels with fading eavesdroppers: CSI does not increase the secure DoF 2015 ,		2
33	Multuser scheduling on downlink communications by using adaptive hierarchical modulation 2015 ,		2
32	. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 3509-3518	9.6	7
31	Interference cancellation through interference alignment for downlink of cognitive cellular networks. <i>Electronics Letters</i> , 2015 , 51, 54-56	1.1	5
30	Fractional Low Order Cyclostationary-Based Spectrum Sensing in Cognitive Radio Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 3-16	0.2	
29	Non-uniform Quantized Distributed Sensing in Practical Wireless Rayleigh Fading Channel. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 78-91	0.2	1
28	Distributed Power Control for Carrier Aggregation in Cognitive Heterogeneous 5G Cellular Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 681-695	0.2	1
27	Optimization of Collaborative Spectrum Sensing with Limited Time Resource. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 109-122	0.2	
26	Detection of Temporally Correlated Primary User Signal with Multiple Antennas. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 66-77	0.2	
25	2014 ,		5

24	Maximum throughput of a secondary user cooperating with an energy-aware primary user 2014 ,		2
23	2014 ,		2
22	Hybrid underlay/overlay cognitive radio system with hierarchical modulation in the presence of channel estimation error 2014 ,		5
21	On Orthogonal Band Allocation for Multiuser Multiband Cognitive Radio Networks: Stability Analysis. <i>IEEE Transactions on Communications</i> , 2014 , 1-1	6.9	2
20	2014 ,		7
19	Cooperative cognitive relaying under primary and secondary quality of service satisfaction 2014 ,		2
18	Probabilistic band-splitting for a buffered cooperative cognitive terminal 2014 ,		1
17	Band allocation for cognitive radios with buffered primary and secondary users 2014 ,		3
16	Cognitive relay-sharing by using hierarchical modulation under interference constraints 2014 ,		4
15	2014 ,		11
14	A novel peak search & save cyclostationary feature detection algorithm 2014 ,		1
13	Non-data-aided SNR estimation for QPSK modulation in AWGN channel 2014 ,		7
12	Distributed spectrum sensing of correlated observations in cognitive radio networks 2013 ,		8
11	Adaptive hierarchical cooperative communication using energy harvesting relay 2013 ,		8
10	Time-frequency compressed spectrum sensing in cognitive radios 2013 ,		2
9	A hybrid spectrum sensing technique with multiple antenna based on GLRT 2013 ,		2
8	Compressed wideband spectrum sensing with correlated subband occupancy in multi-antenna cognitive radios 2012 ,		2
7	STATISTICAL ANALYSIS OF ELECTROMAGNETIC FIELD INSIDE A JET ENGINE USING THE REVERBERATION CHAMBER APPROACH. <i>Progress in Electromagnetics Research M</i> , 2012 , 24, 157-165	0.6	7

6	Characterization of the indoor-outdoor radio propagation channel at 2.4 GHz 2011 ,		9
5	Generalized dynamic spectrum access: An order statistics design perspective. <i>AEU - International Journal of Electronics and Communications</i> , 2009 , 63, 1054-1060	2.8	
4	Statistics of general order selection in correlated Nakagami fading channels. <i>IEEE Transactions on Communications</i> , 2008 , 56, 344-346	6.9	10
3	Optical CDMA for All-Optical Sub-Wavelength Switching in Core GMPLS Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2007 , 25, 905-921	14.2	9
2	Analysis of Wireless CSMA/CA Network Using Single Station Superposition (SSS). <i>AEU - International Journal of Electronics and Communications</i> , 2002 , 56, 73-83	2.8	10
1	Expatriates Housing Dispersal Outlook in a Rapidly Developing Metropolis Based on Urban Growth Predicted Using a Machine Learning Algorithm. <i>Housing Policy Debate</i> ,1-21	1.2	1