

Ayman A El-Saleh

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

739
citations

758635

12
h-index

610482

24
g-index

56
all docs

56
docs citations

56
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent coordinated self-optimizing handover scheme for 4G/5G heterogeneous networks. ICT Express, 2023, 9, 276-281.	3.3	12
2	Utilization of idle time slot in spectrum sensing under noise uncertainty. International Journal of Electrical and Computer Engineering, 2022, 12, 431.	0.5	0
3	Measuring and Assessing Performance of Mobile Broadband Networks and Future 5G Trends. Sustainability, 2022, 14, 829.	1.6	27
4	Particle Swarm Optimization: A Comprehensive Survey. IEEE Access, 2022, 10, 10031-10061.	2.6	252
5	Time series forecasting model of future spectrum demands for mobile broadband networks in Malaysia, Turkey, and Oman. AEJ - Alexandria Engineering Journal, 2022, 61, 8051-8067.	3.4	4
6	Machine Learning-Based Load Balancing Algorithms in Future Heterogeneous Networks: A Survey. IEEE Access, 2022, 10, 37689-37717.	2.6	28
7	An Overview on Control Systems for Smart Home. , 2022, , .		0
8	An Overview on Solar Tracking Systems. , 2022, , .		0
9	Performance Analysis of Mobile Broadband Networks With 5G Trends and Beyond: Urban Areas Scope in Malaysia. IEEE Access, 2021, 9, 90767-90794.	2.6	13
10	Higher education student engagement in times of pandemic: the role of e-learning system usability and teacher behavior. International Journal of Educational Management, 2021, 35, 1312-1329.	0.9	13
11	Multi-Objective Optimization of Joint Power and Admission Control in Cognitive Radio Networks Using Enhanced Swarm Intelligence. Electronics (Switzerland), 2021, 10, 189.	1.8	12
12	Constriction Factor Particle Swarm Optimization based load balancing and cell association for 5G heterogeneous networks. Computer Communications, 2021, 180, 328-337.	3.1	19
13	Student learning outcomes and online engagement in time of crisis: the role of e-learning system usability and teacher behavior. International Journal of Information and Learning Technology, 2021, 38, 473-492.	1.5	6
14	An Improved Handover Decision Algorithm for 5G Heterogeneous Networks. , 2021, , .		3
15	Power Quality Controller using Remote Control System. , 2021, , .		1
16	Effective capacity and outage probability assessment of multiple-relay cognitive communication systems in Nakagami-m and Rayleigh fading channel. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3841.	2.6	7
17	Corrections to "Performance Analysis of Mobile Broadband Networks With 5G Trends and Beyond: Rural Areas Scope in Malaysia". IEEE Access, 2020, 8, 80173-80174.	2.6	1
18	Joint Cell Activation and User Association for Backhaul Load Balancing in Green HetNets. IEEE Wireless Communications Letters, 2020, 9, 1486-1490.	3.2	9

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of Mobile Broadband Networks With 5G Trends and Beyond: Rural Areas Scope in Malaysia. IEEE Access, 2020, 8, 65211-65229.	2.6	16
20	Performance of Practical Multiuser MIMO Networks with Limited CSI Feedback. , 2019, , .		0
21	On the Efficiency of MIMO Transmission with Channel State Information Feedback. , 2019, , .		2
22	Joint Subchannel and Power Allocation Optimization in Heterogeneous Networks. , 2018, , .		1
23	Improved Joint Cell Association and Interference Mitigation for LTE-A Heterogeneous Networks. , 2018, , .		6
24	User Association for Backhaul Load Balancing With Quality of Service Provisioning for Heterogeneous Networks. IEEE Communications Letters, 2018, 22, 2338-2341.	2.5	21
25	Cross entropy algorithm for improved soft fusion-based cooperative spectrum sensing in cognitive radio networks. , 2018, , .		3
26	Multi-objective Resource Allocation for LTE/LTE-A Femtocell/HeNB Networks Using Ant Colony Optimization. Wireless Personal Communications, 2017, 92, 565-586.	1.8	16
27	Green internet of things (IoT): An overview. , 2017, , .		58
28	Fair Resource Allocation With Interference Mitigation and Resource Reuse for LTE/LTE-A Femtocell Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 8203-8217.	3.9	33
29	Spectrum Sensing Schemes for Dynamic Primary User Signal Under AWGN and Rayleigh Fading Channels. Journal of Communications, 2016, , .	1.3	2
30	Multi-stage cross entropy optimization algorithm for hard combining schemes in cognitive radio network. , 2015, , .		3
31	Spectrum sharing using particle swarm optimization. , 2015, , .		0
32	Genetic Algorithm with Multi-Parent Crossover for cooperative spectrum sensing. , 2015, , .		3
33	Optimality of the HDC rules in cooperative spectrum sensing for Cognitive Radio network. , 2015, , .		2
34	Receiver Diversity Combining Using Evolutionary Algorithms in Rayleigh Fading Channel. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	3
35	Effect of work period of the primary user on spectrum sensing schemes based on MDE-dynamic energy detection. , 2014, , .		1
36	On the detection performance of cooperative spectrum sensing using particle swarm optimization algorithms. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
37	Gravity-based particle swarm optimization with hybrid cooperative swarm approach for global optimization. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014, 26, 465-481.	0.8	8
38	Preparation, thermal, magnetic and microwave absorption properties of thermoplastic natural rubber matrix impregnated with NiZn ferrite nanoparticles. <i>Composites Science and Technology</i> , 2014, 96, 103-108.	3.8	38
39	Selective weight setting algorithm in cognitive radio network under resource limitation. , 2013, , .		1
40	Improved Detection Performance of Cognitive Radio Networks in AWGN and Rayleigh Fading Environments. <i>Journal of Applied Research and Technology</i> , 2013, 11, 437-446.	0.6	21
41	Resource Allocation in Spectrum Sharing ad-hoc Cognitive Radio Networks Based on Game Theory: An Overview. <i>KSII Transactions on Internet and Information Systems</i> , 2013, 7, 2957-2986.	0.7	6
42	n the Performance of Cooperative Spectrum Sensing of Cognitive Radio Networks in AWGN and Rayleigh Fading Environments. <i>KSII Transactions on Internet and Information Systems</i> , 2013, 7, 1754-1769.	0.7	6
43	Minimizing the detection error of cognitive radio networks using particle swarm optimization. , 2012, , .		7
44	Improved soft fusion-based cooperative spectrum sensing using particle swarm optimization. <i>IEICE Electronics Express</i> , 2012, 9, 436-442.	0.3	12
45	Combined Time Synchronization And Channel Estimation For MB-OFDM UWB Systems. <i>KSII Transactions on Internet and Information Systems</i> , 2012, , .	0.7	0
46	Reliability-resources tradeoffs in cluster-based cooperative spectrum sensing. , 2011, , .		1
47	A comparison between binary and continuous genetic algorithm for collaborative spectrum optimization in cognitive radio network. , 2011, , .		8
48	Genetic algorithm-assisted soft fusion-based linear cooperative spectrum sensing. <i>IEICE Electronics Express</i> , 2011, 8, 1527-1533.	0.3	12
49	Pragmatic trellis coded modulation for adaptive multi-objective genetic algorithm-based cognitive radio systems. , 2010, , .		6
50	A Novel Algorithm with a New Adaptive Modulation Form to Improve the Performance of OFDM for 4G Systems. , 2009, , .		4
51	Capacity Enhancement and Iterference Reduction in Cooperative Cognitive Radio Networks. , 2009, , .		1
52	Development of a cognitive radio decision engine using multi-objective hybrid genetic algorithm. , 2009, , .		6
53	Particle swarm optimization for mobile network design. <i>IEICE Electronics Express</i> , 2009, 6, 1219-1225.	0.3	9
54	Hybrid SDF-HDF Cluster-Based Fusion Scheme for Cooperative Spectrum Sensing in Cognitive Radio Networks. <i>KSII Transactions on Internet and Information Systems</i> , 0, , .	0.7	11