

Ayman A El-Saleh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9457719/publications.pdf>

Version: 2024-02-01

55
papers

739
citations

759233

12
h-index

610901

24
g-index

56
all docs

56
docs citations

56
times ranked

479
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Particle Swarm Optimization: A Comprehensive Survey. IEEE Access, 2022, 10, 10031-10061. | 4.2 | 252 |
| 2 | Green internet of things (IoT): An overview. , 2017, , . | | 58 |
| 3 | Preparation, thermal, magnetic and microwave absorption properties of thermoplastic natural rubber matrix impregnated with NiZn ferrite nanoparticles. Composites Science and Technology, 2014, 96, 103-108. | 7.8 | 38 |
| 4 | Fair Resource Allocation With Interference Mitigation and Resource Reuse for LTE/LTE-A Femtocell Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 8203-8217. | 6.3 | 33 |
| 5 | Machine Learning-Based Load Balancing Algorithms in Future Heterogeneous Networks: A Survey. IEEE Access, 2022, 10, 37689-37717. | 4.2 | 28 |
| 6 | Measuring and Assessing Performance of Mobile Broadband Networks and Future 5G Trends. Sustainability, 2022, 14, 829. | 3.2 | 27 |
| 7 | Improved Detection Performance of Cognitive Radio Networks in AWGN and Rayleigh Fading Environments. Journal of Applied Research and Technology, 2013, 11, 437-446. | 0.9 | 21 |
| 8 | User Association for Backhaul Load Balancing With Quality of Service Provisioning for Heterogeneous Networks. IEEE Communications Letters, 2018, 22, 2338-2341. | 4.1 | 21 |
| 9 | Constriction Factor Particle Swarm Optimization based load balancing and cell association for 5G heterogeneous networks. Computer Communications, 2021, 180, 328-337. | 5.1 | 19 |
| 10 | Multi-objective Resource Allocation for LTE/LTE-A Femtocell/HeNB Networks Using Ant Colony Optimization. Wireless Personal Communications, 2017, 92, 565-586. | 2.7 | 16 |
| 11 | Performance Analysis of Mobile Broadband Networks With 5G Trends and Beyond: Rural Areas Scope in Malaysia. IEEE Access, 2020, 8, 65211-65229. | 4.2 | 16 |
| 12 | Performance Analysis of Mobile Broadband Networks With 5G Trends and Beyond: Urban Areas Scope in Malaysia. IEEE Access, 2021, 9, 90767-90794. | 4.2 | 13 |
| 13 | 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. | 1.5 | 13 |
| 14 | Genetic algorithm-assisted soft fusion-based linear cooperative spectrum sensing. IEICE Electronics Express, 2011, 8, 1527-1533. | 0.8 | 12 |
| 15 | Improved soft fusion-based cooperative spectrum sensing using particle swarm optimization. IEICE Electronics Express, 2012, 9, 436-442. | 0.8 | 12 |
| 16 | Multi-Objective Optimization of Joint Power and Admission Control in Cognitive Radio Networks Using Enhanced Swarm Intelligence. Electronics (Switzerland), 2021, 10, 189. | 3.1 | 12 |
| 17 | Intelligent coordinated self-optimizing handover scheme for 4G/5G heterogeneous networks. ICT Express, 2023, 9, 276-281. | 4.8 | 12 |
| 18 | Hybrid SDF-HDF Cluster-Based Fusion Scheme for Cooperative Spectrum Sensing in Cognitive Radio Networks. KSII Transactions on Internet and Information Systems, 0, , . | 0.3 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Particle swarm optimization for mobile network design. IEICE Electronics Express, 2009, 6, 1219-1225. | 0.8 | 9 |
| 20 | Joint Cell Activation and User Association for Backhaul Load Balancing in Green HetNets. IEEE Wireless Communications Letters, 2020, 9, 1486-1490. | 5.0 | 9 |
| 21 | A comparison between binary and continuous genetic algorithm for collaborative spectrum optimization in cognitive radio network. , 2011, , . | | 8 |
| 22 | Gravity-based particle swarm optimization with hybrid cooperative swarm approach for global optimization. Journal of Intelligent and Fuzzy Systems, 2014, 26, 465-481. | 1.4 | 8 |
| 23 | Minimizing the detection error of cognitive radio networks using particle swarm optimization. , 2012, , . | | 7 |
| 24 | 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. | 3.9 | 7 |
| 25 | Development of a cognitive radio decision engine using multi-objective hybrid genetic algorithm. , 2009, , . | | 6 |
| 26 | Pragmatic trellis coded modulation for adaptive multi-objective genetic algorithm-based cognitive radio systems. , 2010, , . | | 6 |
| 27 | Improved Joint Cell Association and Interference Mitigation for LTE-A Heterogeneous Networks. , 2018, , . | | 6 |
| 28 | Resource Allocation in Spectrum Sharing ad-hoc Cognitive Radio Networks Based on Game Theory: An Overview. KSII Transactions on Internet and Information Systems, 2013, 7, 2957-2986. | 0.3 | 6 |
| 29 | 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. | 2.3 | 6 |
| 30 | n the Performance of Cooperative Spectrum Sensing of Cognitive Radio Networks in AWGN and Rayleigh Fading Environments. KSII Transactions on Internet and Information Systems, 2013, 7, 1754-1769. | 0.3 | 6 |
| 31 | On the detection performance of cooperative spectrum sensing using particle swarm optimization algorithms. , 2014, , . | | 5 |
| 32 | A Novel Algorithm with a New Adaptive Modulation Form to Improve the Performance of OFDM for 4G Systems. , 2009, , . | | 4 |
| 33 | 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. | 6.4 | 4 |
| 34 | Receiver Diversity Combining Using Evolutionary Algorithms in Rayleigh Fading Channel. Scientific World Journal, The, 2014, 2014, 1-11. | 2.1 | 3 |
| 35 | Multi-stage cross entropy optimization algorithm for hard combining schemes in cognitive radio network. , 2015, , . | | 3 |
| 36 | Genetic Algorithm with Multi-Parent Crossover for cooperative spectrum sensing. , 2015, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Cross entropy algorithm for improved soft fusion-based cooperative spectrum sensing in cognitive radio networks. , 2018, , . | | 3 |
| 38 | An Improved Handover Decision Algorithm for 5G Heterogeneous Networks. , 2021, , . | | 3 |
| 39 | Optimality of the HDC rules in cooperative spectrum sensing for Cognitive Radio network. , 2015, , . | | 2 |
| 40 | On the Efficiency of MIMO Transmission with Channel State Information Feedback. , 2019, , . | | 2 |
| 41 | Spectrum Sensing Schemes for Dynamic Primary User Signal Under AWGN and Rayleigh Fading Channels. Journal of Communications, 2016, , . | 1.6 | 2 |
| 42 | Capacity Enhancement and Interference Reduction in Cooperative Cognitive Radio Networks. , 2009, , . | | 1 |
| 43 | Reliability-resources tradeoffs in cluster-based cooperative spectrum sensing. , 2011, , . | | 1 |
| 44 | Selective weight setting algorithm in cognitive radio network under resource limitation. , 2013, , . | | 1 |
| 45 | Effect of work period of the primary user on spectrum sensing schemes based on MDE-dynamic energy detection. , 2014, , . | | 1 |
| 46 | Joint Subchannel and Power Allocation Optimization in Heterogeneous Networks. , 2018, , . | | 1 |
| 47 | Corrections to "Performance Analysis of Mobile Broadband Networks With 5G Trends and Beyond: Rural Areas Scope in Malaysia" IEEE Access, 2020, 8, 80173-80174. | 4.2 | 1 |
| 48 | Power Quality Controller using Remote Control System. , 2021, , . | | 1 |
| 49 | Spectrum sharing using particle swarm optimization. , 2015, , . | | 0 |
| 50 | Performance of Practical Multiuser MIMO Networks with Limited CSI Feedback. , 2019, , . | | 0 |
| 51 | Combined Time Synchronization And Channel Estimation For MB-OFDM UWB Systems. KSII Transactions on Internet and Information Systems, 2012, , . | 0.3 | 0 |
| 52 | Evolutionary Algorithm-based Space Diversity for Imperfect Channel Estimation. KSII Transactions on Internet and Information Systems, 2014, 8, 1588-1603. | 0.3 | 0 |
| 53 | Utilization of idle time slot in spectrum sensing under noise uncertainty. International Journal of Electrical and Computer Engineering, 2022, 12, 431. | 0.7 | 0 |
| 54 | An Overview on Control Systems for Smart Home. , 2022, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 55 | An Overview on Solar Tracking Systems. , 2022, , . | | 0 |