# Mohamed M Abdallah

List of Publications by Year
in descending order

| | |
|---|---|
| 184 papers | 3,063 citations |

279798

23
h-index

276875

41
g-index

| | |
|---|---|
| 184 all docs | 184 docs citations |

| | |
|---|---|
| 184 times ranked | 2417 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Fine-Grained Data Selection for Improved Energy Efficiency of Federated Edge Learning. IEEE Transactions on Network Science and Engineering, 2022, 9, 3258-3271. | 6.4 | 20 |
| 2 | Detecting Sybil Attacks Using Proofs of Work and Location in VANETs. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 39-53. | 5.4 | 48 |
| 3 | Privacy-Preserving Framework for Blockchain-Based Stock Exchange Platform. IEEE Access, 2022, 10, 1202-1215. | 4.2 | 2 |
| 4 | Distributed DRL-Based Downlink Power Allocation for Hybrid RF/VLC Networks. IEEE Photonics Journal, 2022, 14, 1-10. | 2.0 | 7 |
| 5 | Hierarchical Multi-Agent DRL-Based Framework for Joint Multi-RAT Assignment and Dynamic Resource Allocation in Next-Generation HetNets. IEEE Transactions on Network Science and Engineering, 2022, 9, 2481-2494. | 6.4 | 9 |
| 6 | The Frontiers of Deep Reinforcement Learning for Resource Management in Future Wireless HetNets: Techniques, Challenges, and Research Directions. IEEE Open Journal of the Communications Society, 2022, 3, 322-365. | 6.9 | 19 |
| 7 | Deep Reinforcement Learning Powered IRS-Assisted Downlink NOMA. IEEE Open Journal of the Communications Society, 2022, 3, 729-739. | 6.9 | 19 |
| 8 | BCSM: Blockchainâ€based cooperative spectrum management system for 5G NRâ€U and WiFi coexistence in the unlicensed band. IET Communications, 2022, 16, 977-987. | 2.2 | 1 |
| 9 | Security and Privacy Issues in Autonomous Vehicles: A Layer-Based Survey. IEEE Open Journal of the Communications Society, 2022, 3, 811-829. | 6.9 | 11 |
| 10 | DRL-Based Joint RAT Association, Power and Bandwidth Optimization for Future HetNets. IEEE Wireless Communications Letters, 2022, 11, 1503-1507. | 5.0 | 2 |
| 11 | DRL-Based IRS-Assisted Secure Visible Light Communications. IEEE Photonics Journal, 2022, 14, 1-9. | 2.0 | 6 |
| 12 | Toward Secure Federated Learning for IoT Using DRL-Enabled Reputation Mechanism. IEEE Internet of Things Journal, 2022, 9, 21971-21983. | 8.7 | 5 |
| 13 | Green-PoW: An energy-efficient blockchain Proof-of-Work consensus algorithm. Computer Networks, 2022, 214, 109118. | 5.1 | 33 |
| 14 | Efficient and Privacy-Preserving Ridesharing Organization for Transferable and Non-Transferable Services. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 1291-1306. | 5.4 | 24 |
| 15 | B-Ride: Ride Sharing With Privacy-Preservation, Trust and Fair Payment Atop Public Blockchain. IEEE Transactions on Network Science and Engineering, 2021, 8, 1214-1229. | 6.4 | 95 |
| 16 | A Survey on Security and Privacy Issues in Edge-Computing-Assisted Internet of Things. IEEE Internet of Things Journal, 2021, 8, 4004-4022. | 8.7 | 147 |
| 17 | On optimal anchor placement for areaâ€based localisation in wireless sensor networks. IET Wireless Sensor Systems, 2021, 11, 67-77. | 1.7 | 6 |
| 18 | Secure Scalable Blockchain for Sealed-Bid Auction in Energy Trading. , 2021, , . | | 1 |

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| 19 | DeepRAT: A DRL-Based Framework for Multi-RAT Assignment and Power Allocation in HetNets. , 2021, , . | | 10 |
| 20 | Threshold-Based Data Exclusion Approach for Energy-Efficient Federated Edge Learning. , 2021, , . | | 9 |
| 21 | DQN-Based Multi-User Power Allocation for Hybrid RF/VLC Networks. , 2021, , . | | 6 |
| 22 | Emotion Recognition for Healthcare Surveillance Systems Using Neural Networks: A Survey. , 2021, , . | | 16 |
| 23 | An Active Inductor Based TIA with Ambient Light Rejection for VLC Applications. , 2021, , . | | 1 |
| 24 | Privacy-Preserving Blockchain-Based Energy Trading Schemes for Electric Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 9369-9384. | 6.3 | 61 |
| 25 | AI-Based Radio Resource Allocation in Support of the Massive Heterogeneity of 6G Networks. , 2021, , . | | 9 |
| 26 | Client Selection Approach in Support of Clustered Federated Learning over Wireless Edge Networks. , 2021, , . | | 11 |
| 27 | Consortium Blockchain-Based Decentralized Stock Exchange Platform. IEEE Access, 2020, 8, 123711-123725. | 4.2 | 24 |
| 28 | Blockchain Based Trading Platform for Electric Vehicle Charging in Smart Cities. IEEE Open Journal of Intelligent Transportation Systems, 2020, 1, 80-92. | 4.8 | 44 |
| 29 | Performance Evaluation of Physical Attacks against E2E Autoencoder over Rayleigh Fading Channel. , 2020, , . | | 3 |
| 30 | Secure Backhauling over Adaptive Parallel mmWave/FSO Link. , 2020, , . | | 7 |
| 31 | Exploiting Unlabeled Data in Smart Cities using Federated Edge Learning. , 2020, , . | | 38 |
| 32 | Federated Learning for RSS Fingerprint-based Localization: A Privacy-Preserving Crowdsourcing Method. , 2020, , . | | 26 |
| 33 | Federated Mimic Learning for Privacy Preserving Intrusion Detection. , 2020, , . | | 15 |
| 34 | Public Security Surveillance System Using Blockchain Technology and Advanced Image Processing Techniques. , 2020, , . | | 5 |
| 35 | On Sharing Models Instead of Data using Mimic learning for Smart Health Applications. , 2020, , . | | 15 |
| 36 | Malicious Node Detection in Wireless Sensor Network using Swarm Intelligence Optimization. , 2020, , . | | 10 |

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| 37 | Local Bitcoin Network Simulator for Performance Evaluation using Lightweight Virtualization. , 2020, , . | | 11 |
| 38 | Outage Analysis of Cognitive Electric Vehicular Networks Over Mixed RF/VLC Channels. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1096-1107. | 7.9 | 14 |
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| 43 | Topology for Robust RF/FSO Backhauling under Random Jamming Attacks and Adversary Weather Conditions. , 2020, , . | | 3 |
| 44 | Intelligent Partial Pattern Mode Matching Receiver for Orbital Angular Momentum Systems. , 2020, , . | | 0 |
| 45 | On the Outage of Underlay CR-NOMA Networks With Detect-and-Forward Relaying. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 795-804. | 7.9 | 55 |
| 46 | Resource Allocation for Downlink OFDMA in Underwater Visible Light Communications. , 2019, , . | | 9 |
| 47 | Secrecy Performance of Decode-and-Forward Based Hybrid RF/VLC Relaying Systems. IEEE Access, 2019, 7, 10844-10856. | 4.2 | 29 |
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| 49 | Joint Beamforming Design and Power Minimization for Friendly Jamming Relaying Hybrid RF/VLC Systems. IEEE Photonics Journal, 2019, 11, 1-18. | 2.0 | 15 |
| 50 | EPDA: Efficient and Privacy-Preserving Data Collection and Access Control Scheme for Multi-Recipient AMI Networks. IEEE Access, 2019, 7, 27829-27845. | 4.2 | 23 |
| 51 | Blockchain-based Firmware Update Scheme Tailored for Autonomous Vehicles. , 2019, , . | | 62 |
| 52 | On the Reliability of Decode-and-Forward Two-Relay Diversity-enabled NOMA Networks. , 2019, , . | | 1 |
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| 55 | Outage of SEE-OFDM VLC-NOMA Networks. IEEE Photonics Technology Letters, 2019, 31, 121-124. | 2.5 | 10 |
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| 60 | Visible Light Channel Modeling for Gas Pipelines. IEEE Photonics Journal, 2018, 10, 1-10. | 2.0 | 13 |
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| 62 | Performance Evaluation of LOS and NLOS Vertical Inhomogeneous Links in Underwater Visible Light Communications. IEEE Access, 2018, 6, 22408-22420. | 4.2 | 36 |
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