# Abdulla Al-Ali

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 32 papers | 705 citations | 13 h-index | 26 g-index |
| 36 ext. papers | 1,078 ext. citations | 8.4 avg, IF | 4.8 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 32 | Fuzzy Elliptic Curve Cryptography for Authentication in Internet of Things. *IEEE Internet of Things Journal*, **2021**, 1-1 | 10.7 | 1 |
| 31 | Recent Advances in the Internet-of-Medical-Things (IoMT) Systems Security. *IEEE Internet of Things Journal*, **2021**, 8, 8707-8718 | 10.7 | 31 |
| 30 | Audio-Based Drone Detection and Identification Using Deep Learning Techniques with Dataset Enhancement through Generative Adversarial Networks. *Sensors*, **2021**, 21, | 3.8 | 11 |
| 29 | 3-D Stochastic Geometry-based Modeling and Performance Analysis of Efficient Security Enhancement scheme for IoT Systems. *IEEE Internet of Things Journal*, **2021**, 1-1 | 10.7 | 0 |
| 28 | Distributed CNN Inference on Resource-Constrained UAVs for Surveillance Systems: Design and Optimization. *IEEE Internet of Things Journal*, **2021**, 1-1 | 10.7 | 7 |
| 27 | A Survey of Machine and Deep Learning Methods for Internet of Things (IoT) Security. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 1646-1685 | 37.1 | 256 |
| 26 | Fire Alarm System for Smart Cities Using Edge Computing **2020**, | | 5 |
| 25 | Key Generation Based Fuzzy Logic and Elliptic Curve Cryptography for Internet of Things (IoT) Authentication **2020**, | | 1 |
| 24 | Efficient EEG Mobile Edge Computing and Optimal Resource Allocation for Smart Health Applications **2019**, | | 2 |
| 23 | Audio Based Drone Detection and Identification using Deep Learning **2019**, | | 19 |
| 22 | On Physical Layer Security in Energy-Efficient Wireless Health Monitoring Applications **2019**, | | 1 |
| 21 | DroneRF dataset: A dataset of drones for RF-based detection, classification and identification. *Data in Brief*, **2019**, 26, 104313 | 1.2 | 23 |
| 20 | Design Challenges of Multi-UAV Systems in Cyber-Physical Applications: A Comprehensive Survey and Future Directions. *IEEE Communications Surveys and Tutorials*, **2019**, 21, 3340-3385 | 37.1 | 90 |
| 19 | RF-based drone detection and identification using deep learning approaches: An initiative towards a large open source drone database. *Future Generation Computer Systems*, **2019**, 100, 86-97 | 7.5 | 66 |
| 18 | A Novel Deep Learning Strategy for Classifying Different Attack Patterns for Deep Brain Implants. *IEEE Access*, **2019**, 7, 24154-24164 | 3.5 | 22 |
| 17 | Biometric-based authentication scheme for Implantable Medical Devices during emergency situations. *Future Generation Computer Systems*, **2019**, 98, 109-119 | 7.5 | 15 |
| 16 | Towards Extended Bit Tracking for Scalable and Robust RFID Tag Identification Systems. *IEEE Access*, **2018**, 6, 27190-27204 | 3.5 | 9 |

# List of Publications

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|---|---|---|---|
| 15 | Improving Remote Health Monitoring: A Low-Complexity ECG Compression Approach. *Diagnostics*, **2018**, 8, | 3.8 | 24 |
| 14 | Symmetric Encryption Relying on Chaotic Henon System for Secure Hardware-Friendly Wireless Communication of Implantable Medical Systems. *Journal of Sensor and Actuator Networks*, **2018**, 7, 21 | 3.8 | 6 |
| 13 | Multi-Layer Perceptron Model on Chip for Secure Diabetic Treatment. *IEEE Access*, **2018**, 6, 44718-44730 | 3.5 | 16 |
| 12 | **2018**, | | 3 |
| 11 | Salt Generation for Hashing Schemes based on ECG readings for Emergency Access to Implantable Medical Devices **2018**, | | 1 |
| 10 | DTW based Authentication for Wireless Medical Device Security **2018**, | | 5 |
| 9 | A review of security challenges, attacks and resolutions for wireless medical devices **2017**, | | 13 |
| 8 | DLRT: Deep Learning Approach for Reliable Diabetic Treatment **2017**, | | 6 |
| 7 | New Plain-Text Authentication Secure Scheme for Implantable Medical Devices with Remote Control **2017**, | | 8 |
| 6 | Light-weight encryption of wireless communication for implantable medical devices using henon chaotic system (invited paper) **2017**, | | 3 |
| 5 | . *IEEE Transactions on Vehicular Technology*, **2015**, 64, 263-272 | 6.8 | 17 |
| 4 | Querying spectrum databases and improved sensing for vehicular cognitive radio networks **2014**, | | 2 |
| 3 | Simulating dynamic spectrum access using ns-3 for wireless networks in smart environments **2014**, | | 10 |
| 2 | TFRC-CR: An equation-based transport protocol for cognitive radio networks. *Ad Hoc Networks*, **2013**, 11, 1836-1847 | 4.8 | 28 |
| 1 | **2013**, | | 3 |