# Shabir Ahmad

## List of Publications by Year
## in descending order

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|---|---|---|---|
| 46<br>papers | 1,308<br>citations | 361045<br>20<br>h-index | 377514<br>34<br>g-index |
| 47<br>all docs | 47<br>docs citations | 47<br>times ranked | 771<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Architecting Intelligent Smart Serious Games for Healthcare Applications: A Technical Perspective. Sensors, 2022, 22, 810. | 2.1 | 16 |
| 2 | An IoT-Enabled Information System for Smart Navigation in Museums. Sensors, 2022, 22, 312. | 2.1 | 7 |
| 3 | Object detection based on deep learning techniques in resource-constrained environment for healthcare industry. , 2022, , . | | 2 |
| 4 | IoT-Orchestration based nanogrid energy management system and optimal time-aware scheduling for efficient energy usage in nanogrid. International Journal of Electrical Power and Energy Systems, 2022, 142, 108292. | 3.3 | 12 |
| 5 | Internet-of-things-enabled serious games: A comprehensive survey. Future Generation Computer Systems, 2022, 136, 67-83. | 4.9 | 7 |
| 6 | Improving blockchain performance in clinical trials using intelligent optimal transaction traffic control mechanism in smart healthcare applications. Computers and Industrial Engineering, 2022, 170, 108327. | 3.4 | 7 |
| 7 | Design of a general complex problem-solving architecture based on task management and predictive optimization. International Journal of Distributed Sensor Networks, 2022, 18, 155013292211078. | 1.3 | 6 |
| 8 | Peer-to-Peer Energy Trading Mechanism Based on Blockchain and Machine Learning for Sustainable Electrical Power Supply in Smart Grid. IEEE Access, 2021, 9, 39193-39217. | 2.6 | 126 |
| 9 | Towards Mountain Fire Safety Using Fire Spread Predictive Analytics and Mountain Fire Containment in IoT Environment. Sustainability, 2021, 13, 2461. | 1.6 | 20 |
| 10 | Health Monitoring System for Elderly Patients Using Intelligent Task Mapping Mechanism in Closed Loop Healthcare Environment. Symmetry, 2021, 13, 357. | 1.1 | 41 |
| 11 | A task orchestration approach for efficient mountain fire detection based on microservice and predictive analysis in IoT environment. Journal of Intelligent and Fuzzy Systems, 2021, 40, 5681-5696. | 0.8 | 14 |
| 12 | A Scheduling Mechanism Based on Optimization Using IoT-Tasks Orchestration for Efficient Patient Health Monitoring. Sensors, 2021, 21, 5430. | 2.1 | 26 |
| 13 | A Novel Blockchain-Based Integrity and Reliable Veterinary Clinic Information Management System Using Predictive Analytics for Provisioning of Quality Health Services. IEEE Access, 2021, 9, 8069-8098. | 2.6 | 67 |
| 14 | Blockchain-Based Authentication in Internet of Vehicles: A Survey. Sensors, 2021, 21, 7927. | 2.1 | 34 |
| 15 | An Efficient and Reliable Algorithm for Wireless Sensor Network. Sensors, 2021, 21, 8355. | 2.1 | 14 |
| 16 | A multi-device multi-tasks management and orchestration architecture for the design of enterprise IoT applications. Future Generation Computer Systems, 2020, 106, 482-500. | 4.9 | 35 |
| 17 | Toward Accurate Position Estimation Using Learning to Prediction Algorithm in Indoor Navigation. Sensors, 2020, 20, 4410. | 2.1 | 46 |
| 18 | Optimal Policy-Making for Municipal Waste Management Based on Predictive Model Optimization. IEEE Access, 2020, 8, 218458-218469. | 2.6 | 28 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Toward the Optimal Operation of Hybrid Renewable Energy Resources in Microgrids. Energies, 2020, 13, 5482. | 1.6 | 17 |
| 20 | Optimal Route Recommendation for Waste Carrier Vehicles for Efficient Waste Collection: A Step Forward Towards Sustainable Cities. IEEE Access, 2020, 8, 77875-77887. | 2.6 | 48 |
| 21 | Accident risk prediction and avoidance in intelligent semi-autonomous vehicles based on road safety data and driver biological behaviours1. Journal of Intelligent and Fuzzy Systems, 2020, 38, 4591-4601. | 0.8 | 27 |
| 22 | Toward Effective Planning and Management Using Predictive Analytics Based on Rental Book Data of Academic Libraries. IEEE Access, 2020, 8, 81978-81996. | 2.6 | 35 |
| 23 | An Optimization Scheme Based on Fuzzy Logic Control for Efficient Energy Consumption in Hydroponics Environment. Energies, 2020, 13, 289. | 1.6 | 17 |
| 24 | Quantum GIS Based Descriptive and Predictive Data Analysis for Effective Planning of Waste Management. IEEE Access, 2020, 8, 46193-46205. | 2.6 | 52 |
| 25 | Towards a Remote Monitoring of Patient Vital Signs Based on IoT-Based Blockchain Integrity Management Platforms in Smart Hospitals. Sensors, 2020, 20, 2195. | 2.1 | 192 |
| 26 | A Novel Approach towards the Design and Implementation of Virtual Network Based on Controller in Future IoT Applications. Electronics (Switzerland), 2020, 9, 604. | 1.8 | 15 |
| 27 | A Stochastic Approach Towards Travel Route Optimization and Recommendation Based on Users Constraints Using Markov Chain. IEEE Access, 2019, 7, 90760-90776. | 2.6 | 21 |
| 28 | A DIY Approach for the Design of Mission-Planning Architecture Using Autonomous Task–Object Mapping and the Deployment Model in Mission-Critical IoT Systems. Sustainability, 2019, 11, 3647. | 1.6 | 12 |
| 29 | Towards the Task-Level Optimal Orchestration Mechanism in Multi-Device Multi-Task Architecture for Mission-Critical IoT Applications. IEEE Access, 2019, 7, 140922-140935. | 2.6 | 20 |
| 30 | Occupant Comfort Management Based on Energy Optimization Using an Environment Prediction Model in Smart Homes. Sustainability, 2019, 11, 997. | 1.6 | 19 |
| 31 | Towards the Design of a Formal Verification and Evaluation Tool of Real-Time Tasks Scheduling of IoT Applications. Sustainability, 2019, 11, 204. | 1.6 | 37 |
| 32 | Water Supply Pipeline Risk Index Assessment Based on Cohesive Hierarchical Fuzzy Inference System. Processes, 2019, 7, 182. | 1.3 | 18 |
| 33 | Design and Development of a Real-Time Optimal Route Recommendation System Using Big Data for Tourists in Jeju Island. Electronics (Switzerland), 2019, 8, 506. | 1.8 | 17 |
| 34 | An Adaptive Emergency First Intelligent Scheduling Algorithm for Efficient Task Management and Scheduling in Hybrid of Hard Real-Time and Soft Real-Time Embedded IoT Systems. Sustainability, 2019, 11, 2192. | 1.6 | 26 |
| 35 | Design and Implementation of Decoupled IoT Application Store: A Novel Prototype for Virtual Objects Sharing and Discovery. Electronics (Switzerland), 2019, 8, 285. | 1.8 | 13 |
| 36 | Hybrid Inference Based Scheduling Mechanism for Efficient Real Time Task and Resource Management in Smart Cars for Safe Driving. Electronics (Switzerland), 2019, 8, 344. | 1.8 | 9 |

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|---|---------|----|-----------|
| 37 | A Novel Approach of IoT Services Orchestration Based on Multiple Sensor and Actuator Platforms Using Virtual Objects in Online IoT App-Store. Sustainability, 2019, 11, 5859. | 1.6 | 5 |
| 38 | Design and Implementation of an Interworking IoT Platform and Marketplace in Cloud of Things. Sustainability, 2019, 11, 5952. | 1.6 | 10 |
| 39 | Design and Implementation of Thermal Comfort System based on Tasks Allocation Mechanism in Smart Homes. Sustainability, 2019, 11, 5849. | 1.6 | 26 |
| 40 | Design of Lightweight Driver-Assistance System for Safe Driving in Electric Vehicles. Sensors, 2019, 19, 4761. | 2.1 | 4 |
| 41 | An Adaptive Approach Based on Resource-Awareness Towards Power-Efficient Real-Time Periodic Task Modeling on Embedded IoT Devices. Processes, 2018, 6, 90. | 1.3 | 32 |
| 42 | Design and Implementation of Cloud-Centric Configuration Repository for DIY IoT Applications. Sensors, 2018, 18, 474. | 2.1 | 39 |
| 43 | A Distributed Approach towards Improved Dissemination Protocol for Smooth Handover in MediaSense IoT Platform. Processes, 2018, 6, 46. | 1.3 | 14 |
| 44 | A Blended Risk Index Modeling and Visualization Based on Hierarchical Fuzzy Logic for Water Supply Pipelines Assessment and Management. Processes, 2018, 6, 61. | 1.3 | 17 |
| 45 | Comparative Analysis of Simulation Tools with Visualization based on Realtime Task Scheduling Algorithms for IoT Embedded Applications. International Journal of Grid and Distributed Computing, 2018, 11, 1-10. | 0.8 | 16 |
| 46 | Object detection mechanism based on deep learning algorithm using embedded IoT devices for smart home appliances control in CoT. Journal of Ambient Intelligence and Humanized Computing, 0, , 1. | 3.3 | 42 |