

Shabir Ahmad

List of Publications by Year in descending order

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46
papers

1,308
citations

361045

20
h-index

377514

34
g-index

47
all docs

47
docs citations

47
times ranked

771
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a Remote Monitoring of Patient Vital Signs Based on IoT-Based Blockchain Integrity Management Platforms in Smart Hospitals. <i>Sensors</i> , 2020, 20, 2195.	2.1	192
2	Peer-to-Peer Energy Trading Mechanism Based on Blockchain and Machine Learning for Sustainable Electrical Power Supply in Smart Grid. <i>IEEE Access</i> , 2021, 9, 39193-39217.	2.6	126
3	A Novel Blockchain-Based Integrity and Reliable Veterinary Clinic Information Management System Using Predictive Analytics for Provisioning of Quality Health Services. <i>IEEE Access</i> , 2021, 9, 8069-8098.	2.6	67
4	Quantum GIS Based Descriptive and Predictive Data Analysis for Effective Planning of Waste Management. <i>IEEE Access</i> , 2020, 8, 46193-46205.	2.6	52
5	Optimal Route Recommendation for Waste Carrier Vehicles for Efficient Waste Collection: A Step Forward Towards Sustainable Cities. <i>IEEE Access</i> , 2020, 8, 77875-77887.	2.6	48
6	Toward Accurate Position Estimation Using Learning to Prediction Algorithm in Indoor Navigation. <i>Sensors</i> , 2020, 20, 4410.	2.1	46
7	Object detection mechanism based on deep learning algorithm using embedded IoT devices for smart home appliances control in CoT. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 0, , 1.	3.3	42
8	Health Monitoring System for Elderly Patients Using Intelligent Task Mapping Mechanism in Closed Loop Healthcare Environment. <i>Symmetry</i> , 2021, 13, 357.	1.1	41
9	Design and Implementation of Cloud-Centric Configuration Repository for DIY IoT Applications. <i>Sensors</i> , 2018, 18, 474.	2.1	39
10	Towards the Design of a Formal Verification and Evaluation Tool of Real-Time Tasks Scheduling of IoT Applications. <i>Sustainability</i> , 2019, 11, 204.	1.6	37
11	A multi-device multi-tasks management and orchestration architecture for the design of enterprise IoT applications. <i>Future Generation Computer Systems</i> , 2020, 106, 482-500.	4.9	35
12	Toward Effective Planning and Management Using Predictive Analytics Based on Rental Book Data of Academic Libraries. <i>IEEE Access</i> , 2020, 8, 81978-81996.	2.6	35
13	Blockchain-Based Authentication in Internet of Vehicles: A Survey. <i>Sensors</i> , 2021, 21, 7927.	2.1	34
14	An Adaptive Approach Based on Resource-Awareness Towards Power-Efficient Real-Time Periodic Task Modeling on Embedded IoT Devices. <i>Processes</i> , 2018, 6, 90.	1.3	32
15	Optimal Policy-Making for Municipal Waste Management Based on Predictive Model Optimization. <i>IEEE Access</i> , 2020, 8, 218458-218469.	2.6	28
16	Accident risk prediction and avoidance in intelligent semi-autonomous vehicles based on road safety data and driver biological behaviours ¹ . <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 4591-4601.	0.8	27
17	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. <i>Sustainability</i> , 2019, 11, 2192.	1.6	26
18	Design and Implementation of Thermal Comfort System based on Tasks Allocation Mechanism in Smart Homes. <i>Sustainability</i> , 2019, 11, 5849.	1.6	26

#	ARTICLE	IF	CITATIONS
19	A Scheduling Mechanism Based on Optimization Using IoT-Tasks Orchestration for Efficient Patient Health Monitoring. <i>Sensors</i> , 2021, 21, 5430.	2.1	26
20	A Stochastic Approach Towards Travel Route Optimization and Recommendation Based on Users Constraints Using Markov Chain. <i>IEEE Access</i> , 2019, 7, 90760-90776.	2.6	21
21	Towards the Task-Level Optimal Orchestration Mechanism in Multi-Device Multi-Task Architecture for Mission-Critical IoT Applications. <i>IEEE Access</i> , 2019, 7, 140922-140935.	2.6	20
22	Towards Mountain Fire Safety Using Fire Spread Predictive Analytics and Mountain Fire Containment in IoT Environment. <i>Sustainability</i> , 2021, 13, 2461.	1.6	20
23	Occupant Comfort Management Based on Energy Optimization Using an Environment Prediction Model in Smart Homes. <i>Sustainability</i> , 2019, 11, 997.	1.6	19
24	Water Supply Pipeline Risk Index Assessment Based on Cohesive Hierarchical Fuzzy Inference System. <i>Processes</i> , 2019, 7, 182.	1.3	18
25	A Blended Risk Index Modeling and Visualization Based on Hierarchical Fuzzy Logic for Water Supply Pipelines Assessment and Management. <i>Processes</i> , 2018, 6, 61.	1.3	17
26	Design and Development of a Real-Time Optimal Route Recommendation System Using Big Data for Tourists in Jeju Island. <i>Electronics (Switzerland)</i> , 2019, 8, 506.	1.8	17
27	Toward the Optimal Operation of Hybrid Renewable Energy Resources in Microgrids. <i>Energies</i> , 2020, 13, 5482.	1.6	17
28	An Optimization Scheme Based on Fuzzy Logic Control for Efficient Energy Consumption in Hydroponics Environment. <i>Energies</i> , 2020, 13, 289.	1.6	17
29	Comparative Analysis of Simulation Tools with Visualization based on Realtime Task Scheduling Algorithms for IoT Embedded Applications. <i>International Journal of Grid and Distributed Computing</i> , 2018, 11, 1-10.	0.8	16
30	Architecting Intelligent Smart Serious Games for Healthcare Applications: A Technical Perspective. <i>Sensors</i> , 2022, 22, 810.	2.1	16
31	A Novel Approach towards the Design and Implementation of Virtual Network Based on Controller in Future IoT Applications. <i>Electronics (Switzerland)</i> , 2020, 9, 604.	1.8	15
32	A Distributed Approach towards Improved Dissemination Protocol for Smooth Handover in MediaSense IoT Platform. <i>Processes</i> , 2018, 6, 46.	1.3	14
33	A task orchestration approach for efficient mountain fire detection based on microservice and predictive analysis in IoT environment. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 5681-5696.	0.8	14
34	An Efficient and Reliable Algorithm for Wireless Sensor Network. <i>Sensors</i> , 2021, 21, 8355.	2.1	14
35	Design and Implementation of Decoupled IoT Application Store: A Novel Prototype for Virtual Objects Sharing and Discovery. <i>Electronics (Switzerland)</i> , 2019, 8, 285.	1.8	13
36	A DIY Approach for the Design of Mission-Planning Architecture Using Autonomous Task-Object Mapping and the Deployment Model in Mission-Critical IoT Systems. <i>Sustainability</i> , 2019, 11, 3647.	1.6	12

#	ARTICLE	IF	CITATIONS
37	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
38	Design and Implementation of an Interworking IoT Platform and Marketplace in Cloud of Things. Sustainability, 2019, 11, 5952.	1.6	10
39	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
40	An IoT-Enabled Information System for Smart Navigation in Museums. Sensors, 2022, 22, 312.	2.1	7
41	Internet-of-things-enabled serious games: A comprehensive survey. Future Generation Computer Systems, 2022, 136, 67-83.	4.9	7
42	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
43	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
44	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
45	Design of Lightweight Driver-Assistance System for Safe Driving in Electric Vehicles. Sensors, 2019, 19, 4761.	2.1	4
46	Object detection based on deep learning techniques in resource-constrained environment for healthcare industry. , 2022, , .		2