Tariq Ali

List of Publications by Year
in descending order

53 papers	876 citations	643344 15 h-index	591227 27 g-index
53 all docs	53 docs citations	53 times ranked	758 citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient IoT-Based Formal Model for Vehicle-Life Interaction in VANETs Using VDM-SL. Energies, 2022, 15, 1013.	1.6	7
2	Formal Modeling of IoT and Drone-Based Forest Fire Detection and Counteraction System. Electronics (Switzerland), 2022, 11, 128.	1.8	7
3	Formal Modeling of IoT-Based Distribution Management System for Smart Grids. Sustainability, 2022, 14, 4499.	1.6	6
4	A Novel Routing Protocol Based on Elliptical Shaped Movement of Autonomous Underwater Vehicles in Data Gathering Process for Underwater Wireless Sensor Network. Sensors, 2022, 22, 5269.	2.1	6
5	Efficient Shadow Encoding Scheme Towards Power Spectrum Density in Digital Network Communication. Wireless Personal Communications, 2021, 119, 3179-3206.	1.8	2
6	Security Framework for IoT Based Real-Time Health Applications. Electronics (Switzerland), 2021, 10, 719.	1.8	29
7	Role of Hybrid Deep Neural Networks (HDNNs), Computed Tomography, and Chest X-rays for the Detection of COVID-19. International Journal of Environmental Research and Public Health, 2021, 18, 3056.	1.2	68
8	Energy efficient watchman based flooding algorithm for IoT‐enabled underwater wireless sensor and actor networks. ETRI Journal, 2021, 43, 414-426.	1.2	7
9	Natural Disasters Intensity Analysis and Classification Based on Multispectral Images Using Multi-Layered Deep Convolutional Neural Network. Sensors, 2021, 21, 2648.	2.1	26
10	TANVEER: Tri-Angular Nearest Vector-Based Energy Efficient Routing for IoT-Enabled Acoustic Sensor and Actor Networks (I-ASANs). Sensors, 2021, 21, 3578.	2.1	4
11	An Optimal Scheme for UWSAN of Hotspots Issue Based on Energy-Efficient Novel Watchman Nodes. Wireless Personal Communications, 2021, 121, 69-94.	1.8	4
12	Real Time Multipurpose Smart Waste Classification Model for Efficient Recycling in Smart Cities Using Multilayer Convolutional Neural Network and Perceptron. Sensors, 2021, 21, 4916.	2.1	23
13	Smart Fire Detection and Deterrent System for Human Savior by Using Internet of Things (IoT). Energies, 2021, 14, 5500.	1.6	14
14	ROBINA: Rotational Orbit-Based Inter-Node Adjustment for Acoustic Routing Path in the Internet of Underwater Things (IoUTs). Sensors, 2021, 21, 5968.	2.1	2
15	Energy Efficient Proactive Routing Scheme for Enabling Reliable Communication in Underwater Internet of Things. IEEE Transactions on Network Science and Engineering, 2021, 8, 2934-2945.	4.1	9
16	Prolong Network Lifetime in the Wireless Sensor Networks: An Improved Approach. Arabian Journal for Science and Engineering, 2021, 46, 3631-3651.	1.7	12
17	Severity Grading and Early Retinopathy Lesion Detection through Hybrid Inception-ResNet Architecture. Sensors, 2021, 21, 6933.	2.1	9
18	Effective Beamforming Technique Amid Optimal Value for Wireless Communication. Electronics (Switzerland), 2020, 9, 1869.	1.8	8

#	Article	IF	Citations
19	Integration of Discrete Wavelet Transform, DBSCAN, and Classifiers for Efficient Content Based Image Retrieval. Electronics (Switzerland), 2020, 9, 1886.	1.8	11
20	A Secure Communication in IoT Enabled Underwater and Wireless Sensor Network for Smart Cities. Sensors, 2020, 20, 4309.	2.1	17
21	Artificial Neural Network Based Ensemble Approach for Multicultural Facial Expressions Analysis. IEEE Access, 2020, 8, 134950-134963.	2.6	27
22	ML-DCNNet: Multi-level Deep Convolutional Neural Network for Facial Expression Recognition and Intensity Estimation. Arabian Journal for Science and Engineering, 2020, 45, 10605-10620.	1.7	19
23	IoT Based Smart Parking System Using Deep Long Short Memory Network. Electronics (Switzerland), 2020, 9, 1696.	1.8	59
24	An Adoptive Threshold-Based Multi-Level Deep Convolutional Neural Network for Glaucoma Eye Disease Detection and Classification. Diagnostics, 2020, 10, 602.	1.3	35
25	Waste Management and Prediction of Air Pollutants Using IoT and Machine Learning Approach. Energies, 2020, 13, 3930.	1.6	57
26	An improved hybrid indoor positioning system based on surface tessellation artificial neural network. Measurement and Control, 2020, 53, 1968-1977.	0.9	7
27	Multistage Segmentation of Prostate Cancer Tissues Using Sample Entropy Texture Analysis. Entropy, 2020, 22, 1370.	1.1	11
28	Savior: A Reliable Fault Resilient Router Architecture for Network-on-Chip. Electronics (Switzerland), 2020, 9, 1783.	1.8	5
29	Big Data Analytics for Short and Medium-Term Electricity Load Forecasting Using an AI Techniques Ensembler. Energies, 2020, 13, 5193.	1.6	28
30	IoT-Based Smart Waste Bin Monitoring and Municipal Solid Waste Management System for Smart Cities. Arabian Journal for Science and Engineering, 2020, 45, 10185-10198.	1.7	81
31	Towards Short Term Electricity Load Forecasting Using Improved Support Vector Machine and Extreme Learning Machine. Energies, 2020, 13, 2907.	1.6	57
32	Moving towards IoT Based Digital Communication: An Efficient Utilization of Power Spectrum Density for Smart Cities. Sensors, 2020, 20, 2856.	2.1	3
33	EADSA: Energy-Aware Distributed Sink Algorithm for Hotspot Problem in Wireless Sensor and Actor Networks. , 2019, , .		5
34	Towards Formalism of Link Failure Detection Algorithm for Wireless Sensor and Actor Networks. , 2019, , .		8
35	Atomic-shaped efficient delay and data gathering routing protocol for underwater wireless sensor networks. Turkish Journal of Electrical Engineering and Computer Sciences, 2019, 27, 3454-3469.	0.9	6
36	A Parametric Performance Evaluation of Batteries in Wireless Sensor Networks. EAI/Springer Innovations in Communication and Computing, 2019, , 187-196.	0.9	5

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37	Towards Formal Modeling of Subnet Based Hotspot Algorithm in Wireless Sensor Networks. Wireless Personal Communications, 2019, 107, 1573-1606.	1.8	9
38	Watchman-based Data Packet Forwarding Algorithm for Underwater Wireless Sensor and Actor Networks. , 2019, , .		2
39	Comparative Analysis of Different Light Intensities for Implementation Idea of Li-Fi for CPEC. , 2019, , .		1
40	A parametric performance evaluation of SMDBRP and AEDGRP routing protocols in underwater wireless sensor network for data transmission. , 2018, , .		6
41	Evaluation based analysis of packet delivery ratio for AODV and DSR under UDP and TCP environment. , 2018, , .		11
42	Comparison of DBR and L2-ABF routing protocols in underwater wireless sensor network. , 2018, , .		8
43	Two Classes Classification Using Different Optimizers in Convolutional Neural Network. , 2018, , .		5
44	Cloud Based Watchman Inlets for Flood Recovery System Using Wireless Sensor and Actor Networks. , 2018, , .		7
45	Location-free Voting System with the help of IOT Technology. , 2018, , .		4
46	Towards Formal Modeling of Hotspot Issue by Watch-Man Nodes in Wireless Sensor and Actor Network. , 2018, , .		7
47	An Efficient Participant's Selection Algorithm for Crowdsensing. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.5	8
48	Motif Detection in Cellular Tumor p53 Antigen Protein Sequences by using Bioinformatics Big Data Analytical Techniques. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.5	5
49	Participants Ranking Algorithm for Crowdsensing in Mobile Communication. EAI Endorsed Transactions on Scalable Information Systems, 2018, 5, 154476.	0.8	12
50	Shadow Encoding Scheme: A Smart line Coding Scheme for Network Communication. , 2017, , .		1
51	End-to-End Delay and Energy Efficient Routing Protocol for Underwater Wireless Sensor Networks. Wireless Personal Communications, 2014, 79, 339-361.	1.8	52
52	Diagonal and Vertical Routing Protocol for Underwater Wireless Sensor Network. Procedia, Social and Behavioral Sciences, 2014, 129, 372-379.	0.5	35
53	Flooding control by using Angle Based Cone for UWSNs. , 2012, , .		19