

Mohammad Shabaz

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

2,077
citations

201674

27
h-index

289244

40
g-index

91
all docs

91
docs citations

91
times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of Heart Disease Using a Combination of Machine Learning and Deep Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-11.	1.7	234
2	Application of Blockchain and Internet of Things in Healthcare and Medical Sector: Applications, Challenges, and Future Perspectives. Journal of Food Quality, 2021, 2021, 1-20.	2.6	150
3	Research on vibration monitoring and fault diagnosis of rotating machinery based on internet of things technology. Nonlinear Engineering, 2021, 10, 245-254.	2.7	68
4	An Enhanced Secure Deep Learning Algorithm for Fraud Detection in Wireless Communication. Wireless Communications and Mobile Computing, 2021, 2021, 1-14.	1.2	57
5	Taxonomy of Adaptive Neuro-Fuzzy Inference System in Modern Engineering Sciences. Computational Intelligence and Neuroscience, 2021, 2021, 1-14.	1.7	54
6	Development of image recognition software based on artificial intelligence algorithm for the efficient sorting of apple fruit. International Journal of Systems Assurance Engineering and Management, 2022, 13, 322-330.	2.4	50
7	Performance Evaluation of Multilayer Clustering Network Using Distributed Energy Efficient Clustering with Enhanced Threshold Protocol. Wireless Personal Communications, 2022, 126, 2175-2189.	2.7	49
8	Compact Ultrawide Band Metamaterial-Inspired Split Ring Resonator Structure Loaded Band Notched Antenna. Mathematical Problems in Engineering, 2021, 2021, 1-12.	1.1	47
9	Collaborative Learning Based Straggler Prevention in Large-Scale Distributed Computing Framework. Security and Communication Networks, 2021, 2021, 1-9.	1.5	47
10	Metaheuristic and Machine Learning-Based Smart Engine for Renting and Sharing of Agriculture Equipment. Mathematical Problems in Engineering, 2021, 2021, 1-13.	1.1	43
11	A Secure Energy-Aware Game Theory (SEGaT) Mechanism for Coordination in WSNs. International Journal of Swarm Intelligence Research, 2021, 13, 1-16.	0.7	42
12	CPIDM: A Clustering-Based Profound Iterating Deep Learning Model for HSI Segmentation. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.	1.2	41
13	Design of a Real-Time Monitoring System for Smoke and Dust in Thermal Power Plants Based on Improved Genetic Algorithm. Journal of Healthcare Engineering, 2021, 2021, 1-10.	1.9	39
14	Financial Fraud Detection in Healthcare Using Machine Learning and Deep Learning Techniques. Security and Communication Networks, 2021, 2021, 1-8.	1.5	39
15	Applicability of Internet of Things in Smart Farming. Journal of Food Quality, 2022, 2022, 1-7.	2.6	39
16	A New Face Image Recognition Algorithm Based on Cerebellum-Basal Ganglia Mechanism. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.9	38
17	Intrusion Detection System for Industrial Internet of Things Based on Deep Reinforcement Learning. Wireless Communications and Mobile Computing, 2022, 2022, 1-8.	1.2	38
18	Gene Expression-Assisted Cancer Prediction Techniques. Journal of Healthcare Engineering, 2021, 2021, 1-9.	1.9	37

#	ARTICLE	IF	CITATIONS
19	A Secured Frame Selection Based Video Watermarking Technique to Address Quality Loss of Data: Combining Graph Based Transform, Singular Valued Decomposition, and Hyperchaotic Encryption. Security and Communication Networks, 2021, 2021, 1-19.	1.5	34
20	A Novel Optimized Graph-Based Transform Watermarking Technique to Address Security Issues in Real-Time Application. Mathematical Problems in Engineering, 2021, 2021, 1-27.	1.1	32
21	Machine-to-Machine Communication for Device Identification and Classification in Secure Telerobotics Surgery. Security and Communication Networks, 2021, 2021, 1-16.	1.5	32
22	3D modelling and visualization for Vision-based Vibration Signal Processing and Measurement. Journal of Intelligent Systems, 2021, 30, 541-553.	1.6	32
23	COVID-19: Challenges and its Technological Solutions using IoT. Current Medical Imaging, 2022, 18, 113-123.	0.8	31
24	An Internet of Medical Things-Based Model for Real-Time Monitoring and Averting Stroke Sensors. Journal of Healthcare Engineering, 2021, 2021, 1-9.	1.9	31
25	Evaluation of Urban Environmental and Economic Coordination Based on Discrete Mathematical Model. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	30
26	A comprehensive approach of hydrological issues related to ground water using GIS in the Hindu holy city of Gaya, India. World Journal of Engineering, 2023, 20, 283-288.	1.6	30
27	Predicting future diseases based on existing health status using link prediction. World Journal of Engineering, 2022, 19, 29-32.	1.6	29
28	Image Fusion Algorithm at Pixel Level Based on Edge Detection. Journal of Healthcare Engineering, 2021, 2021, 1-10.	1.9	29
29	Wire EDM process parameter optimization for D2 steel. Materials Today: Proceedings, 2021, 37, 2478-2482.	1.8	28
30	A Novel Approach to Classifying Breast Cancer Histopathology Biopsy Images Using Bilateral Knowledge Distillation and Label Smoothing Regularization. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-11.	1.3	28
31	Patient Behavioral Analysis with Smart Healthcare and IoT. Behavioural Neurology, 2021, 2021, 1-9.	2.1	28
32	Retrospection of the Optimization Model for Designing the Power Train of a Formula Student Race Car. Scientific Programming, 2021, 2021, 1-9.	0.7	28
33	Dominant Feature Selection and Machine Learning-Based Hybrid Approach to Analyze Android Ransomware. Security and Communication Networks, 2021, 2021, 1-22.	1.5	25
34	Assessment of Mental Workload by Visual Motor Activity among Control Group and Patient Suffering from Depressive Disorder. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.7	25
35	SA Sorting: A Novel Sorting Technique for Large-Scale Data. Journal of Computer Networks and Communications, 2019, 2019, 1-7.	1.6	22
36	Experimental replacement of hops by mango in beer: production and comparison of total phenolics, flavonoids, minerals, carbohydrates, proteins and toxic substances. International Journal of Systems Assurance Engineering and Management, 2022, 13, 132-145.	2.4	21

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37	Research on speed sensor fusion of urban rail transit train speed ranging based on deep learning. <i>Nonlinear Engineering</i> , 2021, 10, 363-373.	2.7	21
38	Analyzing the Performance of Machine Learning Techniques in Disease Prediction. <i>Journal of Food Quality</i> , 2022, 2022, 1-9.	2.6	21
39	Fuzzy Logic-Based Systems for the Diagnosis of Chronic Kidney Disease. <i>BioMed Research International</i> , 2022, 2022, 1-15.	1.9	20
40	Modified Lamport Merkle Digital Signature blockchain framework for authentication of internet of things healthcare data. <i>Expert Systems</i> , 2022, 39, .	4.5	19
41	Chest CT Findings and Differential Diagnosis of <i>Mycoplasma pneumoniae</i> Pneumonia and <i>Mycoplasma pneumoniae</i> Combined with Streptococcal Pneumonia in Children. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-10.	1.9	17
42	Distributed optimization of heterogeneous UAV cluster PID controller based on machine learning. <i>Computers and Electrical Engineering</i> , 2022, 101, 108059.	4.8	17
43	Design and implementation of intelligent monitoring system for platform security gate based on wireless communication technology using ML. <i>International Journal of Systems Assurance Engineering and Management</i> , 2022, 13, 298-304.	2.4	16
44	AI based study on product development and process design. <i>International Journal of Systems Assurance Engineering and Management</i> , 2022, 13, 305-311.	2.4	15
45	Research on building truss design based on particle swarm intelligence optimization algorithm. <i>International Journal of Systems Assurance Engineering and Management</i> , 2022, 13, 38-48.	2.4	14
46	Optimization Research on Deep Learning and Temporal Segmentation Algorithm of Video Shot in Basketball Games. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-10.	1.7	14
47	Requirements for the Optimal Design for the Metasystematic Sustainability of Digital Double-Form Systems. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-10.	1.1	14
48	A Secure Two-Factor Authentication Framework in Cloud Computing. <i>Security and Communication Networks</i> , 2022, 2022, 1-9.	1.5	14
49	Early flood detection and rescue using bioinformatic devices, internet of things (IOT) and Android application. <i>World Journal of Engineering</i> , 2022, 19, 204-215.	1.6	13
50	Sentiment analysis and sarcasm detection from social network to train health-care professionals. <i>World Journal of Engineering</i> , 2022, 19, 124-133.	1.6	12
51	A Robust Image Encrypted Watermarking Technique for Neurodegenerative Disorder Diagnosis and Its Applications. <i>Computational and Mathematical Methods in Medicine</i> , 2021, 2021, 1-14.	1.3	12
52	Shabazâ€™Urvashi Link Prediction (SULP): A Novel Approach to Predict Future Friends in a Social Network. <i>Journal of Creative Communications</i> , 2021, 16, 27-44.	1.7	12
53	Identifying Major Research Areas and Minor Research Themes of Android Malware Analysis and Detection Field Using LSA. <i>Complexity</i> , 2021, 2021, 1-28.	1.6	11
54	Ensemble Classification Approach for Sarcasm Detection. <i>Behavioural Neurology</i> , 2021, 2021, 1-13.	2.1	11

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55	Blockchain in Secure Healthcare Systems: State of the Art, Limitations, and Future Directions. Security and Communication Networks, 2022, 2022, 1-15.	1.5	11
56	Experimental Analysis of Mechanical Properties and Durability of Cement-Based Composite with Carbon Nanotube. Advances in Materials Science and Engineering, 2021, 2021, 1-12.	1.8	10
57	Performance Analysis of Metamaterial-Inspired Structure Loaded Antennas for Narrow Range Wireless Communication. Scientific Programming, 2022, 2022, 1-17.	0.7	10
58	Enhancing Vehicular Ad Hoc Networksâ€™ Dynamic Behavior by Integrating Game Theory and Machine Learning Techniques for Reliable and Stable Routing. Security and Communication Networks, 2022, 2022, 1-11.	1.5	10
59	The prediction models of anaphylactic disease. Informatics in Medicine Unlocked, 2021, 24, 100535.	3.4	9
60	The Identification Nanoparticle Sensor Using Back Propagation Neural Network Optimized by Genetic Algorithm. Journal of Sensors, 2021, 2021, 1-12.	1.1	9
61	Telemetry Data Compression Algorithm Using Balanced Recurrent Neural Network and Deep Learning. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.7	9
62	Research on Nonlinear Distorted Image Recognition Based on Artificial Neural Network Algorithm. Journal of Interconnection Networks, 2022, 22, .	1.0	8
63	Application of clustering algorithm in complex landscape farmland synthetic aperture radar image segmentation. Journal of Intelligent Systems, 2021, 30, 1014-1025.	1.6	7
64	Single-Input Single-Output System with Multiple Time Delay PID Control Methods for UAV Cluster Multiagent Systems. Security and Communication Networks, 2022, 2022, 1-7.	1.5	7
65	Artificial intelligence and IoT based prediction of Covid-19 using chest X-ray images. Smart Health, 2022, 25, 100299.	3.2	6
66	Design and Research on the Intelligent System of Urban Rail Transit Project based on BIM+GIS. Scalable Computing, 2021, 22, .	1.0	5
67	Design and research of computer network micro-course management system based on JSP technology. International Journal of Systems Assurance Engineering and Management, 2022, 13, 203-211.	2.4	5
68	Application and innovation of digital media technology in visual design. International Journal of Systems Assurance Engineering and Management, 2022, 13, 470-480.	2.4	5
69	AS: a novel sentimental analysis approach. International Journal of Engineering and Technology(UAE), 2018, 7, 46.	0.3	4
70	Clustering Yelpâ€™s sentiment data through various approaches and estimating the error rate. Materials Today: Proceedings, 2020, , .	1.8	4
71	Computing the sediment and ensuing its erosive activities using HEC-RAS to surmise the flooding in Kulfo River in Southern Ethiopia. World Journal of Engineering, 2021, 18, 948-955.	1.6	4
72	Evichain: Evaluating and Scrutinizing Crime using Block Chain. International Journal of Recent Technology and Engineering, 2019, 8, 3992-3994.	0.2	4

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73	Biomechanical research for running motion based on dynamic analysis of human multi-rigid body model. International Journal of Systems Assurance Engineering and Management, 2022, 13, 615-624.	2.4	4
74	Multimedia-based emerging technologies and data analytics for Neuroscience as a Service (NaaS). Neuroscience Informatics, 2022, 2, 100067.	4.5	4
75	Propheying the stream flow and perpetrating the performance of Halele-Werabessa reservoirs of Ethiopia using HEC-HMS and HEC-ResSim. World Journal of Engineering, 2021, 18, 692-700.	1.6	3
76	Voice activity detection using optimal window overlapping especially over health-care infrastructure. World Journal of Engineering, 2022, 19, 118-123.	1.6	3
77	Research on digital media animation control technology based on recurrent neural network using speech technology. International Journal of Systems Assurance Engineering and Management, 0, , 1.	2.4	2
78	Load Manage Optimization through Grid and PV Energy Integration System. , 2021, , .		1
79	Corrigendum to "Evaluation of Urban Environmental and Economic Coordination Based on Discrete Mathematical Model". Mathematical Problems in Engineering, 2021, 2021, 1-1.	1.1	1
80	Evaluation and Categorization of Handwriting Patterns reflecting Sentiments. International Journal of Recent Technology and Engineering, 2019, 8, 2475-2477.	0.2	1
81	Study on Information Leakage Tracking Algorithms in Online Social Networks. Recent Advances in Electrical and Electronic Engineering, 2022, 15, .	0.3	1
82	A study on detection and defence of malicious code under network security over biomedical devices. Journal of Engineering, 0, , .	1.1	1
83	Feature recognition of state signal of electromechanical integration railway turnout over health parameters using CMOS area array technology. Journal of Engineering, 0, , .	1.1	1
84	Application of GIS software in analyzing hydrodynamics of sub surface water demeanor zones in Gondwana sedimentary terrain of eastern India. Materials Today: Proceedings, 2021, , .	1.8	0
85	Hybrid Adaptive Sliding Mode Technique for Cascaded H Bridge Inverter. , 2021, , .		0
86	Moving Target Depth Information Extraction Based on Nonlinear Strategy Network. Journal of Interconnection Networks, 0, , .	1.0	0
87	Distributed lossless coding system based on cloud computing in video transcoding for MRI and neuroimaging. Journal of Engineering, 2022, 2022, 1059-1066.	1.1	0