

Karrar Hameed Abdulkareem

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,623
citations

185998

28
h-index

205818

48
g-index

51
all docs

51
docs citations

51
times ranked

1623
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic review of artificial intelligence techniques in the detection and classification of COVID-19 medical images in terms of evaluation and benchmarking: Taxonomy analysis, challenges, future solutions and methodological aspects. <i>Journal of Infection and Public Health</i> , 2020, 13, 1381-1396.	1.9	182
2	Benchmarking Methodology for Selection of Optimal COVID-19 Diagnostic Model Based on Entropy and TOPSIS Methods. <i>IEEE Access</i> , 2020, 8, 99115-99131.	2.6	153
3	Real-Time Hand Gesture Recognition Based on Deep Learning YOLOv3 Model. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4164.	1.3	140
4	Realizing an Effective COVID-19 Diagnosis System Based on Machine Learning and IoT in Smart Hospital Environment. <i>IEEE Internet of Things Journal</i> , 2021, 8, 15919-15928.	5.5	134
5	A Review of Fog Computing and Machine Learning: Concepts, Applications, Challenges, and Open Issues. <i>IEEE Access</i> , 2019, 7, 153123-153140.	2.6	132
6	Voice Pathology Detection and Classification Using Convolutional Neural Network Model. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3723.	1.3	117
7	Review on COVID-19 diagnosis models based on machine learning and deep learning approaches. <i>Expert Systems</i> , 2022, 39, e12759.	2.9	105
8	Fault-Tolerant mHealth Framework in the Context of IoT-Based Real-Time Wearable Health Data Sensors. <i>IEEE Access</i> , 2019, 7, 50052-50080.	2.6	103
9	COVID-CheXNet: hybrid deep learning framework for identifying COVID-19 virus in chest X-rays images. <i>Soft Computing</i> , 2023, 27, 2657-2672.	2.1	102
10	Efficient Detection of Knee Anterior Cruciate Ligament from Magnetic Resonance Imaging Using Deep Learning Approach. <i>Diagnostics</i> , 2021, 11, 105.	1.3	84
11	Helping doctors hasten COVID-19 treatment: Towards a rescue framework for the transfusion of best convalescent plasma to the most critical patients based on biological requirements via ml and novel MCDM methods. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 196, 105617.	2.6	83
12	IoT based smart agrotech system for verification of Urban farming parameters. <i>Microprocessors and Microsystems</i> , 2021, 82, 104025.	1.8	82
13	MAFC: Multi-Agent Fog Computing Model for Healthcare Critical Tasks Management. <i>Sensors</i> , 2020, 20, 1853.	2.1	81
14	Based Multiple Heterogeneous Wearable Sensors: A Smart Real-Time Health Monitoring Structured for Hospitals Distributor. <i>IEEE Access</i> , 2019, 7, 37269-37323.	2.6	80
15	COVID-DeepNet: Hybrid Multimodal Deep Learning System for Improving COVID-19 Pneumonia Detection in Chest X-ray Images. <i>Computers, Materials and Continua</i> , 2021, 67, 2409-2429.	1.5	77
16	Image-Based Malware Classification Using VGG19 Network and Spatial Convolutional Attention. <i>Electronics (Switzerland)</i> , 2021, 10, 2444.	1.8	74
17	Smart-Contract Aware Ethereum and Client-Fog-Cloud Healthcare System. <i>Sensors</i> , 2021, 21, 4093.	2.1	72
18	A Novel Multi-Perspective Benchmarking Framework for Selecting Image Dehazing Intelligent Algorithms Based on BWM and Group VIKOR Techniques. <i>International Journal of Information Technology and Decision Making</i> , 2020, 19, 909-957.	2.3	65

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19	Adversarial Attack and Defence through Adversarial Training and Feature Fusion for Diabetic Retinopathy Recognition. <i>Sensors</i> , 2021, 21, 3922.	2.1	57
20	A Comprehensive Investigation of Machine Learning Feature Extraction and Classification Methods for Automated Diagnosis of COVID-19 Based on X-Ray Images. <i>Computers, Materials and Continua</i> , 2021, 66, 3289-3310.	1.5	55
21	Artificial intelligence-based solution for sorting COVID related medical waste streams and supporting data-driven decisions for smart circular economy practice. <i>Chemical Engineering Research and Design</i> , 2021, 152, 482-494.	2.7	55
22	A new standardisation and selection framework for real-time image dehazing algorithms from multi-foggy scenes based on fuzzy Delphi and hybrid multi-criteria decision analysis methods. <i>Neural Computing and Applications</i> , 2021, 33, 1029-1054.	3.2	51
23	A Uniform Intelligent Prioritisation for Solving Diverse and Big Data Generated From Multiple Chronic Diseases Patients Based on Hybrid Decision-Making and Voting Method. <i>IEEE Access</i> , 2020, 8, 91521-91530.	2.6	49
24	A Multi-Agent Deep Reinforcement Learning Approach for Enhancement of COVID-19 CT Image Segmentation. <i>Journal of Personalized Medicine</i> , 2022, 12, 309.	1.1	47
25	A Review of Insider Threat Detection: Classification, Machine Learning Techniques, Datasets, Open Challenges, and Recommendations. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5208.	1.3	39
26	Smart Home Battery for the Multi-Objective Power Scheduling Problem in a Smart Home Using Grey Wolf Optimizer. <i>Electronics (Switzerland)</i> , 2021, 10, 447.	1.8	37
27	A new intelligent multilayer framework for insider threat detection. <i>Computers and Electrical Engineering</i> , 2022, 97, 107597.	3.0	36
28	Multi-Agent Systems in Fog-Cloud Computing for Critical Healthcare Task Management Model (CHTM) Used for ECG Monitoring. <i>Sensors</i> , 2021, 21, 6923.	2.1	34
29	EEG feature fusion for motor imagery: A new robust framework towards stroke patients rehabilitation. <i>Computers in Biology and Medicine</i> , 2021, 137, 104799.	3.9	32
30	A New Multi-Agent Feature Wrapper Machine Learning Approach for Heart Disease Diagnosis. <i>Computers, Materials and Continua</i> , 2021, 67, 51-71.	1.5	30
31	Automated System for Identifying COVID-19 Infections in Computed Tomography Images Using Deep Learning Models. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-13.	1.1	27
32	Efficient deep-reinforcement learning aware resource allocation in SDN-enabled fog paradigm. <i>Automated Software Engineering</i> , 2022, 29, 1.	2.2	25
33	Blockchain multi-objective optimization approach-enabled secure and cost-efficient scheduling for the Internet of Medical Things (IoMT) in fog-cloud system. <i>Soft Computing</i> , 2022, 26, 6429-6442.	2.1	23
34	Federated Learning-Aware Multi-Objective Modeling and blockchain-enable system for IIoT applications. <i>Computers and Electrical Engineering</i> , 2022, 100, 107839.	3.0	22
35	A Multi-agent Feature Selection and Hybrid Classification Model for Parkinson's Disease Diagnosis. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2021, 17, 1-22.	3.0	20
36	Federated learning enables intelligent reflecting surface in fog-cloud enabled cellular network. <i>PeerJ Computer Science</i> , 2021, 7, e758.	2.7	18

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37	Machine learning-data mining integrated approach for premature ventricular contraction prediction. <i>Neural Computing and Applications</i> , 2021, 33, 11703-11719.	3.2	17
38	Comprehensive Review of Machine Learning (ML) in Image Defogging: Taxonomy of Concepts, Scenes, Feature Extraction, and Classification techniques. <i>IET Image Processing</i> , 2022, 16, 289-310.	1.4	13
39	EEG Channel Selection Using Multiobjective Cuckoo Search for Person Identification as Protection System in Healthcare Applications. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-18.	1.1	13
40	Bio-inspired robotics enabled schemes in blockchain-fog-cloud assisted IoMT environment. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2023, 35, 1-12.	2.7	11
41	EEG Channel Selection Based User Identification via Improved Flower Pollination Algorithm. <i>Sensors</i> , 2022, 22, 2092.	2.1	11
42	Innovative Artificial Intelligence Approach for Hearing-Loss Symptoms Identification Model Using Machine Learning Techniques. <i>Sustainability</i> , 2021, 13, 5406.	1.6	8
43	ITS Based on Deep Graph Convolutional Fraud Detection Network Blockchain-Enabled Fog-Cloud. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 8399-8408.	4.7	8
44	Multi-objective flower pollination algorithm: a new technique for EEG signal denoising. <i>Neural Computing and Applications</i> , 2023, 35, 7943-7962.	3.2	6
45	Parametric Methods for the Regional Assessment of Cardiac Wall Motion Abnormalities: Comparison Study. <i>Computers, Materials and Continua</i> , 2021, 69, 1233-1252.	1.5	5
46	Review of cyber attacks classifications and threats analysis in cyber-physical systems. <i>International Journal of Internet Technology and Secured Transactions</i> , 2019, 9, 282.	0.3	3
47	Towards Automated Multiclass Severity Prediction Approach for COVID-19 Infections Based on Combinations of Clinical Data. <i>Mobile Information Systems</i> , 2022, 2022, 1-8.	0.4	3
48	Mapping and Deep Analysis of Image Dehazing: Coherent Taxonomy, Datasets, Open Challenges, Motivations, and Recommendations. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2021, 7, 172.	1.0	1
49	Underwater Sensor Multi-Parameter Scheduling for Heterogenous Computing Nodes. <i>ACM Transactions on Sensor Networks</i> , 2022, 18, 1-23.	2.3	1
50	Statistical Medical Pattern Recognition for Body Composition Data Using Bioelectrical Impedance Analyzer. <i>Computers, Materials and Continua</i> , 2021, 67, 2601-2617.	1.5	0