Karrar Hameed Abdulkareem

List of Publications by Year
in descending order

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	COVID-CheXNet: hybrid deep learning framework for identifying COVID-19 virus in chest X-rays images. Soft Computing, 2023, 27, 2657-2672.	2.1	102
2	Bio-inspired robotics enabled schemes in blockchain-fog-cloud assisted IoMT environment. Journal of King Saud University - Computer and Information Sciences, 2023, 35, 1-12.	2.7	11
3	Multi-objective flower pollination algorithm: a new technique for EEG signal denoising. Neural Computing and Applications, 2023, 35, 7943-7962.	3.2	6
4	ITS Based on Deep Graph Convolutional Fraud Detection Network Blockchain-Enabled Fog-Cloud. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 8399-8408.	4.7	8
5	Review on <scp>COVID</scp>â€19 diagnosis models based on machine learning and deep learning approaches. Expert Systems, 2022, 39, e12759.	2.9	105
6	A new intelligent multilayer framework for insider threat detection. Computers and Electrical Engineering, 2022, 97, 107597.	3.0	36
7	Comprehensive Review of Machine Learning (ML) in Image Defogging: Taxonomy of Concepts, Scenes, Feature Extraction, and Classification techniques. IET Image Processing, 2022, 16, 289-310.	1.4	13
8	EEG Channel Selection Using Multiobjective Cuckoo Search for Person Identification as Protection System in Healthcare Applications. Computational Intelligence and Neuroscience, 2022, 2022, 1-18.	1.1	13
9	Efficient deep-reinforcement learning aware resource allocation in SDN-enabled fog paradigm. Automated Software Engineering, 2022, 29, 1.	2.2	25
10	A Multi-Agent Deep Reinforcement Learning Approach for Enhancement of COVID-19 CT Image Segmentation. Journal of Personalized Medicine, 2022, 12, 309.	1.1	47
11	Underwater Sensor Multi-Parameter Scheduling for Heterogenous Computing Nodes. ACM Transactions on Sensor Networks, 2022, 18, 1-23.	2.3	1
12	EEG Channel Selection Based User Identification via Improved Flower Pollination Algorithm. Sensors, 2022, 22, 2092.	2.1	11
13	Automated System for Identifying COVID-19 Infections in Computed Tomography Images Using Deep Learning Models. Journal of Healthcare Engineering, 2022, 2022, 1-13.	1.1	27
14	Federated Learning-Aware Multi-Objective Modeling and blockchain-enable system for IIoT applications. Computers and Electrical Engineering, 2022, 100, 107839.	3.0	22
15	Blockchain multi-objective optimization approach-enabled secure and cost-efficient scheduling for the Internet of Medical Things (IoMT) in fog-cloud system. Soft Computing, 2022, 26, 6429-6442.	2.1	23
16	Towards Automated Multiclass Severity Prediction Approach for COVID-19 Infections Based on Combinations of Clinical Data. Mobile Information Systems, 2022, 2022, 1-8.	0.4	3
17	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. Neural Computing and Applications, 2021, 33, 1029-1054.	3.2	51
18	Statistical Medical Pattern Recognition for Body Composition Data Using Bioelectrical Impedance Analyzer. Computers, Materials and Continua, 2021, 67, 2601-2617.	1.5	0

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19	Parametric Methods for the Regional Assessment of Cardiac Wall Motion Abnormalities: Comparison Study. Computers, Materials and Continua, 2021, 69, 1233-1252.	1.5	5
20	A Comprehensive Investigation of Machine Learning Feature Extraction and Classification Methods for Automated Diagnosis of COVID-19 Based on X-Ray Images. Computers, Materials and Continua, 2021, 66, 3289-3310.	1.5	55
21	A New Multi-Agent Feature Wrapper Machine Learning Approach for Heart Disease Diagnosis. Computers, Materials and Continua, 2021, 67, 51-71.	1.5	30
22	Realizing an Effective COVID-19 Diagnosis System Based on Machine Learning and IoT in Smart Hospital Environment. IEEE Internet of Things Journal, 2021, 8, 15919-15928.	5.5	134
23	Smart Home Battery for the Multi-Objective Power Scheduling Problem in a Smart Home Using Grey Wolf Optimizer. Electronics (Switzerland), 2021, 10, 447.	1.8	37
24	Machine learning-data mining integrated approach for premature ventricular contraction prediction. Neural Computing and Applications, 2021, 33, 11703-11719.	3.2	17
25	IoT based smart agrotech system for verification of Urban farming parameters. Microprocessors and Microsystems, 2021, 82, 104025.	1.8	82
26	Innovative Artificial Intelligence Approach for Hearing-Loss Symptoms Identification Model Using Machine Learning Techniques. Sustainability, 2021, 13, 5406.	1.6	8
27	Real-Time Hand Gesture Recognition Based on Deep Learning YOLOv3 Model. Applied Sciences (Switzerland), 2021, 11, 4164.	1.3	140
28	A Multi-agent Feature Selection and Hybrid Classification Model for Parkinson's Disease Diagnosis. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-22.	3.0	20
29	Smart-Contract Aware Ethereum and Client-Fog-Cloud Healthcare System. Sensors, 2021, 21, 4093.	2.1	72
30	Adversarial Attack and Defence through Adversarial Training and Feature Fusion for Diabetic Retinopathy Recognition. Sensors, 2021, 21, 3922.	2.1	57
31	Artificial intelligence-based solution for sorting COVID related medical waste streams and supporting data-driven decisions for smart circular economy practice. Chemical Engineering Research and Design, 2021, 152, 482-494.	2.7	55
32	EEG feature fusion for motor imagery: A new robust framework towards stroke patients rehabilitation. Computers in Biology and Medicine, 2021, 137, 104799.	3.9	32
33	Efficient Detection of Knee Anterior Cruciate Ligament from Magnetic Resonance Imaging Using Deep Learning Approach. Diagnostics, 2021, 11, 105.	1.3	84
34	COVID-DeepNet: Hybrid Multimodal Deep Learning System for Improving COVID-19 Pneumonia Detection in Chest X-ray Images. Computers, Materials and Continua, 2021, 67, 2409-2429.	1.5	77
35	Multi-Agent Systems in Fog–Cloud Computing for Critical Healthcare Task Management Model (CHTM) Used for ECG Monitoring. Sensors, 2021, 21, 6923.	2.1	34
36	Image-Based Malware Classification Using VGG19 Network and Spatial Convolutional Attention. Electronics (Switzerland), 2021, 10, 2444.	1.8	74

#	Article	IF	Citations
37	Federated learning enables intelligent reflecting surface in fog-cloud enabled cellular network. PeerJ Computer Science, 2021, 7, e758.	2.7	18
38	Mapping and Deep Analysis of Image Dehazing: Coherent Taxonomy, Datasets, Open Challenges, Motivations, and Recommendations. International Journal of Interactive Multimedia and Artificial Intelligence, 2021, 7, 172.	1.0	1
39	A Review of Insider Threat Detection: Classification, Machine Learning Techniques, Datasets, Open Challenges, and Recommendations. Applied Sciences (Switzerland), 2020, 10, 5208.	1.3	39
40	Benchmarking Methodology for Selection of Optimal COVID-19 Diagnostic Model Based on Entropy and TOPSIS Methods. IEEE Access, 2020, 8, 99115-99131.	2.6	153
41	A Novel Multi-Perspective Benchmarking Framework for Selecting Image Dehazing Intelligent Algorithms Based on BWM and Group VIKOR Techniques. International Journal of Information Technology and Decision Making, 2020, 19, 909-957.	2.3	65
42	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. Computer Methods and Programs in Biomedicine, 2020, 196, 105617.	2.6	83
43	Voice Pathology Detection and Classification Using Convolutional Neural Network Model. Applied Sciences (Switzerland), 2020, 10, 3723.	1.3	117
44	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. Journal of Infection and Public Health, 2020, 13, 1381-1396.	1.9	182
45	MAFC: Multi-Agent Fog Computing Model for Healthcare Critical Tasks Management. Sensors, 2020, 20, 1853.	2.1	81
46	A Uniform Intelligent Prioritisation for Solving Diverse and Big Data Generated From Multiple Chronic Diseases Patients Based on Hybrid Decision-Making and Voting Method. IEEE Access, 2020, 8, 91521-91530.	2.6	49
47	A Review of Fog Computing and Machine Learning: Concepts, Applications, Challenges, and Open Issues. IEEE Access, 2019, 7, 153123-153140.	2.6	132
48	Fault-Tolerant mHealth Framework in the Context of IoT-Based Real-Time Wearable Health Data Sensors. IEEE Access, 2019, 7, 50052-50080.	2.6	103
49	Based Multiple Heterogeneous Wearable Sensors: A Smart Real-Time Health Monitoring Structured for Hospitals Distributor. IEEE Access, 2019, 7, 37269-37323.	2.6	80
50	Review of cyber attacks classifications and threats analysis in cyber-physical systems. International Journal of Internet Technology and Secured Transactions, 2019, 9, 282.	0.3	3