Osamah Ibrahim Khalaf

List of Publications by Year
in descending order

80 papers	3,466 citations	101384 36 h-index	155451 55 g-index
81 all docs	81 docs citations	81 times ranked	877 citing authors

#	Article	IF	Citations
1	Deep Learning Based Intelligent Industrial Fault Diagnosis Model. Computers, Materials and Continua, 2022, 70, 6323-6338.	1.5	62
2	Security-Aware Routing on Wireless Communication for E-Health Records Monitoring Using Machine Learning. International Journal of Reliable and Quality E-Healthcare, 2022, 11, 1-10.	1.0	35
3	Interactive Middleware Services for Heterogeneous Systems. Computer Systems Science and Engineering, 2022, 41, 1241-1253.	1.9	17
4	An Efficient Metaheuristic-Based Clustering with Routing Protocol for Underwater Wireless Sensor Networks. Sensors, 2022, 22, 415.	2.1	103
5	Measuring and Assessing Performance of Mobile Broadband Networks and Future 5G Trends. Sustainability, 2022, 14, 829.	1.6	27
6	Multi-Model CNN-RNN-LSTM Based Fruit Recognition and Classification. Intelligent Automation and Soft Computing, 2022, 33, 637-650.	1.6	33
7	Investigation of AlGaN Channel HEMTs on Î²-Ga2O3 Substrate for High-Power Electronics. Electronics (Switzerland), 2022, 11, 225.	1.8	16
8	Application of Intelligent Paradigm through Neural Networks for Numerical Solution of Multiorder Fractional Differential Equations. Computational Intelligence and Neuroscience, 2022, 2022, 1-16.	1.1	35
9	Fruit Image Classification Using Deep Learning. Computers, Materials and Continua, 2022, 71, 5135-5150.	1.5	36
10	Differential Evolution Algorithm with Hierarchical Fair Competition Model. Intelligent Automation and Soft Computing, 2022, 33, 1045-1062.	1.6	45
11	Mitigating Hotspot Issues in Heterogeneous Wireless Sensor Networks. Journal of Sensors, 2022, 2022, 1-14.	0.6	46
12	Heap Bucketization Anonymityâ€"An Efficient Privacy-Preserving Data Publishing Model for Multiple Sensitive Attributes. IEEE Access, 2022, 10, 28773-28791.	2.6	31
13	Novel Approximation Booths Multipliers for Error Recovery of Data-Driven Using Machine Learning. Communications in Computer and Information Science, 2022, , 299-309.	0.4	0
14	QoS in FANET Business and Swarm Data. Computers, Materials and Continua, 2022, 72, 1877-1899.	1.5	0
15	Modified Bat Algorithm for Optimal VM's in Cloud Computing. Computers, Materials and Continua, 2022, 72, 2877-2894.	1.5	13
16	Infrared Small Target Detection Based on Partial Sum Minimization and Total Variation. Mathematics, 2022, 10, 671.	1.1	40
17	Improved Metaheuristics-Based Clustering with Multihop Routing Protocol for Underwater Wireless Sensor Networks. Sensors, 2022, 22, 1618.	2.1	100
18	Detection of Emotion of Speech for RAVDESS Audio Using Hybrid Convolution Neural Network. Journal of Healthcare Engineering, 2022, 2022, 1-9.	1.1	19

#	Article	IF	Citations
19	Authentication and Resource Allocation Strategies during Handoff for 5G IoVs Using Deep Learning. Energies, 2022, 15, 2006.	1.6	21
20	Ship feature recognition methods for deep learning in complex marine environments. Complex & Intelligent Systems, 2022, 8, 3881-3897.	4.0	11
21	Early-Stage Alzheimer's Disease Prediction Using Machine Learning Models. Frontiers in Public Health, 2022, 10, 853294.	1.3	66
22	A Classification Algorithm-Based Hybrid Diabetes Prediction Model. Frontiers in Public Health, 2022, 10, 829519.	1.3	22
23	A Symmetric Novel 8T3R Non-Volatile SRAM Cell for Embedded Applications. Symmetry, 2022, 14, 768.	1.1	15
24	Chaotic Search-and-Rescue-Optimization-Based Multi-Hop Data Transmission Protocol for Underwater Wireless Sensor Networks. Sensors, 2022, 22, 2867.	2.1	41
25	CAD of BCD from Thermal Mammogram Images Using Machine Learning. Intelligent Automation and Soft Computing, 2022, 34, 667-685.	1.6	5
26	Design of Graph-Based Layered Learning-Driven Model for Anomaly Detection in Distributed Cloud IoT Network. Mobile Information Systems, 2022, 2022, 1-9.	0.4	8
27	Hybrid Sparrow Clustered (HSC) Algorithm for Top-N Recommendation System. Symmetry, 2022, 14, 793.	1.1	13
28	Using Convolutional Neural Networks for Segmentation of Multiple Sclerosis Lesions in 3D Magnetic Resonance Imaging. Advances in Materials Science and Engineering, 2022, 2022, 1-10.	1.0	2
29	Prediction of groundwater table for Chennai Region using soft computing techniques. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	8
30	A Systematic Survey on Energy-Efficient Techniques in Sustainable Cloud Computing. Sustainability, 2022, 14, 6256.	1.6	64
31	Analysis of Fault Classifiers to Detect the Faults and Node Failures in a Wireless Sensor Network. Electronics (Switzerland), 2022, 11, 1609.	1.8	7
32	A Novel Deep Learning-Based Cooperative Communication Channel Model for Wireless Underground Sensor Networks. Sensors, 2022, 22, 4475.	2.1	8
33	Impact of Activation, Optimization, and Regularization Methods on the Facial Expression Model Using CNN. Computational Intelligence and Neuroscience, 2022, 2022, 1-9.	1.1	9
34	A Machine Learning Algorithm to Automate Vehicle Classification and License Plate Detection. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	0.8	9
35	Interoperability Requirements for Blockchain-Enabled Electronic Health Records in Healthcare: A Systematic Review and Open Research Challenges. Security and Communication Networks, 2022, 2022, 1-11.	1.0	6
36	Urban water resource management for sustainable environment planning using artificial intelligence techniques. Environmental Impact Assessment Review, 2021, 86, 106515.	4.4	196

#	Article	IF	Citations
37	A Heuristics-Based Cost Model for Scientific Workflow Scheduling in Cloud. Computers, Materials and Continua, 2021, 67, 3265-3282.	1.5	24
38	Web Application Commercial Design for Financial Entities Based on Business Intelligence. Computers, Materials and Continua, 2021, 67, 3177-3188.	1.5	21
39	Thermodynamic Simulation on the Change in Phase for Carburizing Process. Computers, Materials and Continua, 2021, 68, 1129-1145.	1.5	21
40	A Formal Testing Model for Operating Room Control System using Internet of Things. Computers, Materials and Continua, 2021, 66, 2997-3011.	1.5	30
41	Accurate Magnetic Resonance Image Super-Resolution Using Deep Networks and Gaussian Filtering in the Stationary Wavelet Domain. IEEE Access, 2021, 9, 71406-71417.	2.6	97
42	Synchronization Phenomena Investigation of A New Nonlinear Dynamical System 4-D by Gardanoâ€™s and Lyapunovâ€™s Methods. Computers, Materials and Continua, 2021, 66, 3311-3327.	1.5	41
43	Payload Capacity Scheme for Quran Text Watermarking Based on Vowels with Kashida. Computers, Materials and Continua, 2021, 67, 3865-3885.	1.5	10
44	Remote Sensing Monitoring Method Based on BDS-Based Maritime Joint Positioning Model. CMES - Computer Modeling in Engineering and Sciences, 2021, 127, 801-818.	0.8	16
45	Optimized dynamic storage of data (ODSD) in IoT based on blockchain for wireless sensor networks. Peer-to-Peer Networking and Applications, 2021, 14, 2858-2873.	2.6	117
46	Synergy between Circular Economy and Industry 4.0: A Literature Review. Sustainability, 2021, 13, 4331.	1.6	64
47	Wearable Wireless Body Area Networks for Medical Applications. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-9.	0.7	66
48	Software Architecture for Planning Educational Scenarios by Applying an Agile Methodology. International Journal of Emerging Technologies in Learning, 2021, 16, 132.	0.8	29
49	Research on the Natural Language Recognition Method Based on Cluster Analysis Using Neural Network. Mathematical Problems in Engineering, 2021, 2021, 1-13.	0.6	88
50	Prediction of Occupation Stress by Implementing Convolutional Neural Network Techniques. Journal of Cases on Information Technology, 2021, 23, 27-42.	0.7	31
51	VLSI Implementation of a High-Performance Nonlinear Image Scaling Algorithm. Journal of Healthcare Engineering, 2021, 2021, 1-10.	1.1	63
52	Blockchain Based Crop Insurance: A Decentralized Insurance System for Modernization of Indian Farmers. Sustainability, 2021, 13, 8921.	1.6	56
53	Application of Euler Neural Networks with Soft Computing Paradigm to Solve Nonlinear Problems Arising in Heat Transfer. Entropy, 2021, 23, 1053.	1.1	51
54	Energy-Efficient Clustering Scheme for Flying Ad-Hoc Networks Using an Optimized LEACH Protocol. Energies, 2021, 14, 6016.	1.6	104

#	Article	IF	Citations
55	A Novel Approach of Design and Analysis of a Hexagonal Fractal Antenna Array (HFAA) for Next-Generation Wireless Communication. Energies, 2021, 14, 6204.	1.6	115
56	Business Intelligence: Business Evolution after Industry 4.0. Sustainability, 2021, 13, 10026.	1.6	60
57	Effect of Poly-Alkylene-Glycol Quenchant on the Distortion, Hardness, and Microstructure of 65Mn Steel. Computers, Materials and Continua, 2021, 67, 3249-3264.	1.5	17
58	Trust Aware Secure Energy Efficient Hybrid Protocol for MANET. IEEE Access, 2021, 9, 120996-121005.	2.6	74
59	Packet Drop Battling Mechanism for Energy Aware Detection in Wireless Networks. Computers, Materials and Continua, 2021, 66, 2077-2086.	1.5	56
60	Web Attack Detection Using the Input Validation Method: DPDA Theory. Computers, Materials and Continua, 2021, 68, 3167-3184.	1.5	21
61	Recognize and regulate the importance of work-place emotions based on organizational adaptive emotion control. Aggression and Violent Behavior, 2021, , 101557.	1.2	14
62	A Big Data Approach to Black Friday Sales. Intelligent Automation and Soft Computing, 2021, 27, 785-797.	1.6	57
63	A Fuzzy-Based Optimization Technique for the Energy and Spectrum Efficiencies Trade-Off in Cognitive Radio-Enabled 5G Network. Symmetry, 2021, 13, 47.	1.1	42
64	Smart Healthcare Security Device on Medical IoT Using Raspberry Pi. International Journal of Reliable and Quality E-Healthcare, 2021, 11, 1-11.	1.0	34
65	Secured and Privacy-Based IDS for Healthcare Systems on E-Medical Data Using Machine Learning Approach. International Journal of Reliable and Quality E-Healthcare, 2021, 11, 1-11.	1.0	41
66	Skin Lesion Extraction Using Multiscale Morphological Local Variance Reconstruction Based Watershed Transform and Fast Fuzzy C-Means Clustering. Symmetry, 2021, 13, 2085.	1.1	49
67	Design and Synthesis of Multi-Mode Bandpass Filter for Wireless Applications. Electronics (Switzerland), 2021, 10, 2853.	1.8	37
68	Noninvasive Prototype for Type 2 Diabetes Detection. Journal of Healthcare Engineering, 2021, 2021, 1-12.	1.1	6
69	Remote Academic Platforms in Times of a Pandemic. International Journal of Emerging Technologies in Learning, 2021, 16, 121.	0.8	48
70	Hyperledger Healthchain: Patient-Centric IPFS-Based Storage of Health Records. Electronics (Switzerland), 2021, 10, 3003.	1.8	69
71	An Improved Hybrid Secure Multipath Routing Protocol for MANET. IEEE Access, 2021, 9, 163043-163053.	2.6	100
72	MapReduce-based big data classification model using feature subset selection and hyperparameter tuned deep belief network. Scientific Reports, 2021, 11, 24138.	1.6	107

#	Article	IF	Citations
73	A New Algorithm on Application of Blockchain Technology in Live Stream Video Transmissions and Telecommunications. International Journal of E-Collaboration, 2020, 16, 16-32.	0.4	81
74	Efficient Dual-Cooperative Bait Detection Scheme for Collaborative Attackers on Mobile Ad-Hoc Networks. IEEE Access, 2020, 8, 227962-227969.	2.6	32
75	Prediction Analysis Sales for Corporate Services Telecommunications Company using Gradient Boost Algorithm. , 2020, , .		24
76	Prediction Analysis for Business To Business (B2B) Sales of Telecommunication Services using Machine Learning Techniques. Majlesi Journal of Electrical Engineering, 2020, 14, 145-153.	0.1	38
77	A Device Performance and Data Analytics Concept for Smartphonesâ€™ IoT Services and Machine-Type Communication in Cellular Networks. Symmetry, 2019, 11, 593.	1.1	71
78	An adaptive intelligent alarm system for wireless sensor network. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 15, 142.	0.7	80
79	An Overview on Wireless Sensor Networks and Finding Optimal Location of Nodes. Journal of Computational and Theoretical Nanoscience, 2019, 16, 2723-2726.	0.4	2
80	An overview on wireless sensor networks and finding optimal location of nodes. Periodicals of Engineering and Natural Sciences, 2019, 7, 1096.	0.3	81