

Osamah Ibrahim Khalaf

List of Publications by Year in descending order

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Version: 2024-02-01

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	Urban water resource management for sustainable environment planning using artificial intelligence techniques. <i>Environmental Impact Assessment Review</i> , 2021, 86, 106515.	4.4	196
2	Optimized dynamic storage of data (ODSD) in IoT based on blockchain for wireless sensor networks. <i>Peer-to-Peer Networking and Applications</i> , 2021, 14, 2858-2873.	2.6	117
3	A Novel Approach of Design and Analysis of a Hexagonal Fractal Antenna Array (HFAA) for Next-Generation Wireless Communication. <i>Energies</i> , 2021, 14, 6204.	1.6	115
4	MapReduce-based big data classification model using feature subset selection and hyperparameter tuned deep belief network. <i>Scientific Reports</i> , 2021, 11, 24138.	1.6	107
5	Energy-Efficient Clustering Scheme for Flying Ad-Hoc Networks Using an Optimized LEACH Protocol. <i>Energies</i> , 2021, 14, 6016.	1.6	104
6	An Efficient Metaheuristic-Based Clustering with Routing Protocol for Underwater Wireless Sensor Networks. <i>Sensors</i> , 2022, 22, 415.	2.1	103
7	An Improved Hybrid Secure Multipath Routing Protocol for MANET. <i>IEEE Access</i> , 2021, 9, 163043-163053.	2.6	100
8	Improved Metaheuristics-Based Clustering with Multihop Routing Protocol for Underwater Wireless Sensor Networks. <i>Sensors</i> , 2022, 22, 1618.	2.1	100
9	Accurate Magnetic Resonance Image Super-Resolution Using Deep Networks and Gaussian Filtering in the Stationary Wavelet Domain. <i>IEEE Access</i> , 2021, 9, 71406-71417.	2.6	97
10	Research on the Natural Language Recognition Method Based on Cluster Analysis Using Neural Network. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	0.6	88
11	A New Algorithm on Application of Blockchain Technology in Live Stream Video Transmissions and Telecommunications. <i>International Journal of E-Collaboration</i> , 2020, 16, 16-32.	0.4	81
12	An overview on wireless sensor networks and finding optimal location of nodes. <i>Periodicals of Engineering and Natural Sciences</i> , 2019, 7, 1096.	0.3	81
13	An adaptive intelligent alarm system for wireless sensor network. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2019, 15, 142.	0.7	80
14	Trust Aware Secure Energy Efficient Hybrid Protocol for MANET. <i>IEEE Access</i> , 2021, 9, 120996-121005.	2.6	74
15	A Device Performance and Data Analytics Concept for Smartphonesâ€™ IoT Services and Machine-Type Communication in Cellular Networks. <i>Symmetry</i> , 2019, 11, 593.	1.1	71
16	Hyperledger Healthchain: Patient-Centric IPFS-Based Storage of Health Records. <i>Electronics (Switzerland)</i> , 2021, 10, 3003.	1.8	69
17	Wearable Wireless Body Area Networks for Medical Applications. <i>Computational and Mathematical Methods in Medicine</i> , 2021, 2021, 1-9.	0.7	66
18	Early-Stage Alzheimer's Disease Prediction Using Machine Learning Models. <i>Frontiers in Public Health</i> , 2022, 10, 853294.	1.3	66

#	ARTICLE	IF	CITATIONS
19	Synergy between Circular Economy and Industry 4.0: A Literature Review. Sustainability, 2021, 13, 4331.	1.6	64
20	A Systematic Survey on Energy-Efficient Techniques in Sustainable Cloud Computing. Sustainability, 2022, 14, 6256.	1.6	64
21	VLSI Implementation of a High-Performance Nonlinear Image Scaling Algorithm. Journal of Healthcare Engineering, 2021, 2021, 1-10.	1.1	63
22	Deep Learning Based Intelligent Industrial Fault Diagnosis Model. Computers, Materials and Continua, 2022, 70, 6323-6338.	1.5	62
23	Business Intelligence: Business Evolution after Industry 4.0. Sustainability, 2021, 13, 10026.	1.6	60
24	A Big Data Approach to Black Friday Sales. Intelligent Automation and Soft Computing, 2021, 27, 785-797.	1.6	57
25	Blockchain Based Crop Insurance: A Decentralized Insurance System for Modernization of Indian Farmers. Sustainability, 2021, 13, 8921.	1.6	56
26	Packet Drop Battling Mechanism for Energy Aware Detection in Wireless Networks. Computers, Materials and Continua, 2021, 66, 2077-2086.	1.5	56
27	Application of Euler Neural Networks with Soft Computing Paradigm to Solve Nonlinear Problems Arising in Heat Transfer. Entropy, 2021, 23, 1053.	1.1	51
28	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
29	Remote Academic Platforms in Times of a Pandemic. International Journal of Emerging Technologies in Learning, 2021, 16, 121.	0.8	48
30	Mitigating Hotspot Issues in Heterogeneous Wireless Sensor Networks. Journal of Sensors, 2022, 2022, 1-14.	0.6	46
31	Differential Evolution Algorithm with Hierarchical Fair Competition Model. Intelligent Automation and Soft Computing, 2022, 33, 1045-1062.	1.6	45
32	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
33	Synchronization Phenomena Investigation of A New Nonlinear Dynamical System 4-D by Gardano's and Lyapunov's Methods. Computers, Materials and Continua, 2021, 66, 3311-3327.	1.5	41
34	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
35	Chaotic Search-and-Rescue-Optimization-Based Multi-Hop Data Transmission Protocol for Underwater Wireless Sensor Networks. Sensors, 2022, 22, 2867.	2.1	41
36	Infrared Small Target Detection Based on Partial Sum Minimization and Total Variation. Mathematics, 2022, 10, 671.	1.1	40

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37	Prediction Analysis for Business To Business (B2B) Sales of Telecommunication Services using Machine Learning Techniques. <i>Majlesi Journal of Electrical Engineering</i> , 2020, 14, 145-153.	0.1	38
38	Design and Synthesis of Multi-Mode Bandpass Filter for Wireless Applications. <i>Electronics (Switzerland)</i> , 2021, 10, 2853.	1.8	37
39	Fruit Image Classification Using Deep Learning. <i>Computers, Materials and Continua</i> , 2022, 71, 5135-5150.	1.5	36
40	Security-Aware Routing on Wireless Communication for E-Health Records Monitoring Using Machine Learning. <i>International Journal of Reliable and Quality E-Healthcare</i> , 2022, 11, 1-10.	1.0	35
41	Application of Intelligent Paradigm through Neural Networks for Numerical Solution of Multiorder Fractional Differential Equations. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-16.	1.1	35
42	Smart Healthcare Security Device on Medical IoT Using Raspberry Pi. <i>International Journal of Reliable and Quality E-Healthcare</i> , 2021, 11, 1-11.	1.0	34
43	Multi-Model CNN-RNN-LSTM Based Fruit Recognition and Classification. <i>Intelligent Automation and Soft Computing</i> , 2022, 33, 637-650.	1.6	33
44	Efficient Dual-Cooperative Bait Detection Scheme for Collaborative Attackers on Mobile Ad-Hoc Networks. <i>IEEE Access</i> , 2020, 8, 227962-227969.	2.6	32
45	Prediction of Occupation Stress by Implementing Convolutional Neural Network Techniques. <i>Journal of Cases on Information Technology</i> , 2021, 23, 27-42.	0.7	31
46	Heap Bucketization Anonymity – An Efficient Privacy-Preserving Data Publishing Model for Multiple Sensitive Attributes. <i>IEEE Access</i> , 2022, 10, 28773-28791.	2.6	31
47	A Formal Testing Model for Operating Room Control System using Internet of Things. <i>Computers, Materials and Continua</i> , 2021, 66, 2997-3011.	1.5	30
48	Software Architecture for Planning Educational Scenarios by Applying an Agile Methodology. <i>International Journal of Emerging Technologies in Learning</i> , 2021, 16, 132.	0.8	29
49	Measuring and Assessing Performance of Mobile Broadband Networks and Future 5G Trends. <i>Sustainability</i> , 2022, 14, 829.	1.6	27
50	A Heuristics-Based Cost Model for Scientific Workflow Scheduling in Cloud. <i>Computers, Materials and Continua</i> , 2021, 67, 3265-3282.	1.5	24
51	Prediction Analysis Sales for Corporate Services Telecommunications Company using Gradient Boost Algorithm. , 2020, , .		24
52	A Classification Algorithm-Based Hybrid Diabetes Prediction Model. <i>Frontiers in Public Health</i> , 2022, 10, 829519.	1.3	22
53	Web Application Commercial Design for Financial Entities Based on Business Intelligence. <i>Computers, Materials and Continua</i> , 2021, 67, 3177-3188.	1.5	21
54	Thermodynamic Simulation on the Change in Phase for Carburizing Process. <i>Computers, Materials and Continua</i> , 2021, 68, 1129-1145.	1.5	21

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55	Web Attack Detection Using the Input Validation Method: DPDA Theory. Computers, Materials and Continua, 2021, 68, 3167-3184.	1.5	21
56	Authentication and Resource Allocation Strategies during Handoff for 5G IoTs Using Deep Learning. Energies, 2022, 15, 2006.	1.6	21
57	Detection of Emotion of Speech for RAVDESS Audio Using Hybrid Convolution Neural Network. Journal of Healthcare Engineering, 2022, 2022, 1-9.	1.1	19
58	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
59	Interactive Middleware Services for Heterogeneous Systems. Computer Systems Science and Engineering, 2022, 41, 1241-1253.	1.9	17
60	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
61	Investigation of AlGaIn Channel HEMTs on $\text{In}^2\text{-Ga}_2\text{O}_3$ Substrate for High-Power Electronics. Electronics (Switzerland), 2022, 11, 225.	1.8	16
62	A Symmetric Novel 8T3R Non-Volatile SRAM Cell for Embedded Applications. Symmetry, 2022, 14, 768.	1.1	15
63	Recognize and regulate the importance of work-place emotions based on organizational adaptive emotion control. Aggression and Violent Behavior, 2021, , 101557.	1.2	14
64	Modified Bat Algorithm for Optimal VM's in Cloud Computing. Computers, Materials and Continua, 2022, 72, 2877-2894.	1.5	13
65	Hybrid Sparrow Clustered (HSC) Algorithm for Top-N Recommendation System. Symmetry, 2022, 14, 793.	1.1	13
66	Ship feature recognition methods for deep learning in complex marine environments. Complex & Intelligent Systems, 2022, 8, 3881-3897.	4.0	11
67	Payload Capacity Scheme for Quran Text Watermarking Based on Vowels with Kashida. Computers, Materials and Continua, 2021, 67, 3865-3885.	1.5	10
68	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
69	A Machine Learning Algorithm to Automate Vehicle Classification and License Plate Detection. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	0.8	9
70	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
71	Prediction of groundwater table for Chennai Region using soft computing techniques. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	8
72	A Novel Deep Learning-Based Cooperative Communication Channel Model for Wireless Underground Sensor Networks. Sensors, 2022, 22, 4475.	2.1	8

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73	Analysis of Fault Classifiers to Detect the Faults and Node Failures in a Wireless Sensor Network. Electronics (Switzerland), 2022, 11, 1609.	1.8	7
74	Noninvasive Prototype for Type 2 Diabetes Detection. Journal of Healthcare Engineering, 2021, 2021, 1-12.	1.1	6
75	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
76	CAD of BCD from Thermal Mammogram Images Using Machine Learning. Intelligent Automation and Soft Computing, 2022, 34, 667-685.	1.6	5
77	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
78	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
79	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
80	QoS in FANET Business and Swarm Data. Computers, Materials and Continua, 2022, 72, 1877-1899.	1.5	0