Muhammad Adnan Khan

List of Publications by Year
in descending order

131 papers	3,769 citations	156536 32 h-index	198040 52 g-index
131 all docs	131 docs citations	131 times ranked	1074 citing authors

#	Article	IF	Citations
1	A secure and size efficient algorithm to enhance data hiding capacity and security of cover text by using unicode. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 2180-2191.	2.7	5
2	Deep Extreme Learning Machine-Based Optical Character Recognition System for Nastalique Urdu-Like Script Languages. Computer Journal, 2022, 65, 331-344.	1.5	9
3	Smart occupancy detection for road traffic parking using deep extreme learning machine. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 727-733.	2.7	18
4	Joint Channel and Multi-User Detection Empowered with Machine Learning. Computers, Materials and Continua, 2022, 70, 109-121.	1.5	1
5	Energy Demand Forecasting Using Fused Machine Learning Approaches. Intelligent Automation and Soft Computing, 2022, 31, 539-553.	1.6	17
6	Machine Learning Empowered Software Defect Prediction System. Intelligent Automation and Soft Computing, 2022, 31, 1287-1300.	1.6	14
7	Data Fusion-Based Machine Learning Architecture for Intrusion Detection. Computers, Materials and Continua, 2022, 70, 3399-3413.	1.5	60
8	Personality Detection Using Context Based Emotions in Cognitive Agents. Computers, Materials and Continua, 2022, 70, 4947-4964.	1.5	4
9	Robust Length of Stay Prediction Model for Indoor Patients. Computers, Materials and Continua, 2022, 70, 5519-5536.	1.5	2
10	Alzheimer Disease Detection Empowered with Transfer Learning. Computers, Materials and Continua, 2022, 70, 5005-5019.	1.5	118
11	Convolutional Neural Network Based Intelligent Handwritten Document Recognition. Computers, Materials and Continua, 2022, 70, 4563-4581.	1.5	63
12	Critical Success Factors of Component-Based Software Outsourcing Development From Vendorsâ€™ Perspective: A Systematic Literature Review. IEEE Access, 2022, 10, 1650-1658.	2.6	15
13	Critical Challenges to Adopt DevOps Culture in Software Organizations: A Systematic Review. IEEE Access, 2022, 10, 14339-14349.	2.6	26
14	An Intelligent Proposed Model for Task Offloading in Fog-Cloud Collaboration Using Logistics Regression. Computational Intelligence and Neuroscience, 2022, 2022, 1-25.	1.1	45
15	Assistive Devices Analysis for Visually Impaired Persons: A Review on Taxonomy. IEEE Access, 2022, 10, 13354-13366.	2.6	32
16	Prediction of Diabetes Empowered With Fused Machine Learning. IEEE Access, 2022, 10, 8529-8538.	2.6	88
17	Intelligent Model for Brain Tumor Identification Using Deep Learning. Applied Computational Intelligence and Soft Computing, 2022, 2022, 1-10.	1.6	36
18	Malignancy Detection in Lung and Colon Histopathology Images Using Transfer Learning With Class Selective Image Processing. IEEE Access, 2022, 10, 25657-25668.	2.6	101

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19	Detection of Benign and Malignant Tumors in Skin Empowered with Transfer Learning. Computational Intelligence and Neuroscience, 2022, 2022, 1-9.	1.1	5
20	MapReduce based intelligent model for intrusion detection using machine learning technique. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 9723-9731.	2.7	31
21	Smart cities: Fusion-based intelligent traffic congestion control system for vehicular networks using machine learning techniques. Egyptian Informatics Journal, 2022, 23, 417-426.	4.4	165
22	Machine Learning Models for the Classification of Skin Cancer. , 2022, , .		2
23	Software Defect Prediction Using Artificial Neural Networks: A Systematic Literature Review. Scientific Programming, 2022, 2022, 1-10.	0.5	8
24	Rainfall Prediction System Using Machine Learning Fusion for Smart Cities. Sensors, 2022, 22, 3504.	2.1	47
25	Histopathologic Oral Cancer Prediction Using Oral Squamous Cell Carcinoma Biopsy Empowered with Transfer Learning. Sensors, 2022, 22, 3833.	2.1	45
26	Supervised Machine Learning Empowered Multifactorial Genetic Inheritance Disorder Prediction. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.1	47
27	Intelligent breast cancer diagnostic system empowered by deep extreme gradient descent optimization. Mathematical Biosciences and Engineering, 2022, 19, 7978-8002.	1.0	6
28	Blockchain-Based Smart Home Networks Security Empowered with Fused Machine Learning. Sensors, 2022, 22, 4522.	2.1	17
29	Performance Analysis of State-of-the-Art CNN Architectures for LUNA16. Sensors, 2022, 22, 4426.	2.1	30
30	Breast Cancer Prediction Empowered with Fine-Tuning. Computational Intelligence and Neuroscience, 2022, 2022, 1-9.	1.1	17
31	Advance Genome Disorder Prediction Model Empowered With Deep Learning. IEEE Access, 2022, 10, 70317-70328.	2.6	15
32	Adaptive IoT Empowered Smart Road Traffic Congestion Control System Using Supervised Machine Learning Algorithm. Computer Journal, 2021, 64, 1672-1679.	1.5	23
33	A Machine Learning Approach for Blockchain-Based Smart Home Networks Security. IEEE Network, 2021, 35, 223-229.	4.9	71
34	Ensemble Machine Learning Based Identification of Pediatric Epilepsy. Computers, Materials and Continua, 2021, 68, 149-165.	1.5	12
35	Cloud-Based Diabetes Decision Support System Using Machine Learning Fusion. Computers, Materials and Continua, 2021, 68, 1341-1357.	1.5	12
36	Corrections to "Integration of D2D, Network Slicing, and MEC in 5G Cellular Networks: Survey and Challenges". IEEE Access, 2021, 9, 49660-49661.	2.6	0

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37	Fusion-Based Machine Learning Architecture for Heart Disease Prediction. Computers, Materials and Continua, 2021, 67, 2481-2496.	1.5	59
38	Intelligent Decision Support System for COVID-19 Empowered with Deep Learning. Computers, Materials and Continua, 2021, 66, 1719-1732.	1.5	9
39	Gly-LysPred: Identification of Lysine Glycation Sites in Protein Using Position Relative Features and Statistical Moments Via Chou€™s 5 Step Rule. Computers, Materials and Continua, 2021, 66, 2165-2181.	1.5	7
40	A Novel Framework to Determine the Impact of Time Varying Load Models on Wind DG Planning. IEEE Access, 2021, 9, 11342-11357.	2.6	19
41	Modeling Habit Patterns Using Conditional Reflexes in Agency. Intelligent Automation and Soft Computing, 2021, 29, 539-552.	1.6	13
42	Intelligent Dynamic Gesture Recognition Using CNN Empowered by Edit Distance. Computers, Materials and Continua, 2021, 66, 2061-2076.	1.5	9
43	Internet of Things for Green Building Management. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 156-170.	0.3	40
44	Software Defect Prediction Using Ensemble Learning: A Systematic Literature Review. IEEE Access, 2021, 9, 98754-98771.	2.6	73
45	Multi-Stage Intelligent Smart Lockdown using SIR Model to Control COVID 19. Intelligent Automation and Soft Computing, 2021, 28, 429-445.	1.6	3
46	Trait Based Trustworthiness Assessment in Human-Agent Collaboration Using Multi-Layer Fuzzy Inference Approach. IEEE Access, 2021, 9, 73561-73574.	2.6	22
47	A Real-Time Sequential Deep Extreme Learning Machine Cybersecurity Intrusion Detection System. Computers, Materials and Continua, 2021, 66, 1785-1798.	1.5	23
48	Detection of COVID-19 Enhanced by a Deep Extreme Learning Machine. Intelligent Automation and Soft Computing, 2021, 27, 701-712.	1.6	10
49	On the Image Encryption Algorithm Based on the Chaotic System, DNA Encoding, and Castle. IEEE Access, 2021, 9, 118253-118270.	2.6	22
50	Marker-based and Marker-less Motion Capturing Video Data: Person & Activity Identification Comparison Based on Machine Learning Approaches. Computers, Materials and Continua, 2021, 66, 1269-1282.	1.5	3
51	Coronavirus: A €œMild€•Virus Turned Deadly Infection. Computers, Materials and Continua, 2021, 67, 2631-2646.	1.5	9
52	Simulation, Modeling, and Optimization of Intelligent Kidney Disease Predication Empowered with Computational Intelligence Approaches. Computers, Materials and Continua, 2021, 67, 1399-1412.	1.5	23
53	Prediction of Time Series Empowered with a Novel SREKRLS Algorithm. Computers, Materials and Continua, 2021, 67, 1413-1427.	1.5	7
54	Integration of D2D, Network Slicing, and MEC in 5G Cellular Networks: Survey and Challenges. IEEE Access, 2021, 9, 37590-37612.	2.6	50

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55	Data and Machine Learning Fusion Architecture for Cardiovascular Disease Prediction. Computers, Materials and Continua, 2021, 69, 2717-2731.	1.5	4
56	Intelligent Breast Cancer Prediction Empowered with Fusion and Deep Learning. Computers, Materials and Continua, 2021, 67, 1033-1049.	1.5	19
57	Modelling Intelligent Driving Behaviour Using Machine Learning. Computers, Materials and Continua, 2021, 68, 3061-3077.	1.5	22
58	Intelligent Cloud Based Load Balancing System Empowered with Fuzzy Logic. Computers, Materials and Continua, 2021, 67, 519-528.	1.5	8
59	Modelling Supply Chain Information Collaboration Empowered with Machine Learning Technique. Intelligent Automation and Soft Computing, 2021, 29, 243-257.	1.6	105
60	Supervised Machine Learning-Based Prediction of COVID-19. Computers, Materials and Continua, 2021, 69, 21-34.	1.5	18
61	Performances of K-Means Clustering Algorithm with Different Distance Metrics. Intelligent Automation and Soft Computing, 2021, 29, 735-742.	1.6	32
62	Modelling and Simulation of COVID-19 Outbreak Prediction Using Supervised Machine Learning. Computers, Materials and Continua, 2021, 66, 2397-2407.	1.5	19
63	A Novel Hybrid GWO-LS Estimator for Harmonic Estimation Problem in Time Varying Noisy Environment. Energies, 2021, 14, 2587.	1.6	2
64	Dynamic 3D scrambled image based RGB image encryption scheme using hyperchaotic system and DNA encoding. Journal of Information Security and Applications, 2021, 58, 102809.	1.8	32
65	Edge AI-Based Automated Detection and Classification of Road Anomalies in VANET Using Deep Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-16.	1.1	72
66	A Smart Healthcare Recommendation System for Multidisciplinary Diabetes Patients with Data Fusion Based on Deep Ensemble Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-11.	1.1	65
67	Improving the Convergence Period of Adaptive Data Rate in a Long Range Wide Area Network for the Internet of Things Devices. Energies, 2021, 14, 5614.	1.6	14
68	Understanding the Language of ISIS: An Empirical Approach to Detect Radical Content on Twitter Using Machine Learning. Computers, Materials and Continua, 2021, 66, 1075-1090.	1.5	18
69	Real-Time Shill Bidding Fraud Detection Empowered With Fussed Machine Learning. IEEE Access, 2021, 9, 113612-113621.	2.6	12
70	Energy-Efficiency Model for Residential Buildings Using Supervised Machine Learning Algorithm. Intelligent Automation and Soft Computing, 2021, 30, 881-888.	1.6	12
71	Prediction of Cloud Ranking in a Hyperconverged Cloud Ecosystem Using Machine Learning. Computers, Materials and Continua, 2021, 67, 3129-3141.	1.5	31
72	Intelligent Ammunition Detection and Classification System Using Convolutional Neural Network. Computers, Materials and Continua, 2021, 67, 2585-2600.	1.5	25

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73	Autonomous Parking-lots Detection with Multi-sensor Data Fusion Using Machine Deep Learning Techniques. Computers, Materials and Continua, 2021, 66, 1595-1612.	1.5	6
74	Software Defect Prediction Using Supervised Machine Learning Techniques: A Systematic Literature Review. Intelligent Automation and Soft Computing, 2021, 29, 403-421.	1.6	11
75	PV Model Parameter Estimation Using Modified FPA With Dynamic Switch Probability and Step Size Function. IEEE Access, 2021, 9, 42027-42044.	2.6	31
76	A Fusion-Based Machine Learning Approach for the Prediction of the Onset of Diabetes. Healthcare (Switzerland), 2021, 9, 1393.	1.0	68
77	IoMT Cloud-Based Intelligent Prediction of Breast Cancer Stages Empowered With Deep Learning. IEEE Access, 2021, 9, 146478-146491.	2.6	97
78	An IoMT-Enabled Smart Healthcare Model to Monitor Elderly People Using Machine Learning Technique. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.1	34
79	Multi-Dimensional Trust Quantification by Artificial Agents Through Evidential Fuzzy Multi-Criteria Decision Making. IEEE Access, 2021, 9, 159399-159412.	2.6	17
80	Analyzing the Causes of Maternal Death in Postpartum Period Using a Fuzzy Inference System Approach. , 2021, , .		0
81	Diagnosing the Stage of Hepatitis C Using Machine Learning. Journal of Healthcare Engineering, 2021, 2021, 1-8.	1.1	15
82	Î²Lact-Pred: A Predictor Developed for Identification of Beta-Lactamases Using Statistical Moments and PseAAC via 5-Step Rule. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.1	7
83	Intelligent routing between capsules empowered with deep extreme machine learning technique. SN Applied Sciences, 2020, 2, 1.	1.5	22
84	DNA Strands Level Scrambling Based Color Image Encryption Scheme. IEEE Access, 2020, 8, 178167-178182.	2.6	32
85	A Novel and Efficient Multiple RGB Images Cipher Based on Chaotic System and Circular Shift Operations. IEEE Access, 2020, 8, 146408-146427.	2.6	20
86	Bone Age Assessment Empowered with Deep Learning: A Survey, Open Research Challenges and Future Directions. Diagnostics, 2020, 10, 781.	1.3	51
87	Analysis for Disease Gene Association Using Machine Learning. IEEE Access, 2020, 8, 160616-160626.	2.6	10
88	A Comparative Systematic Literature Review on Knee Bone Reports from MRI, X-Rays and CT Scans Using Deep Learning and Machine Learning Methodologies. Diagnostics, 2020, 10, 518.	1.3	58
89	Cloud-Based Breast Cancer Prediction Empowered with Soft Computing Approaches. Journal of Healthcare Engineering, 2020, 2020, 1-16.	1.1	57
90	Modelling, simulation, and optimization of diabetes type II prediction using deep extreme learning machine. Journal of Ambient Intelligence and Smart Environments, 2020, 12, 125-138.	0.8	41

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91	A Novel and Efficient 3D Multiple Images Encryption Scheme Based on Chaotic Systems and Swapping Operations. IEEE Access, 2020, 8, 123536-123555.	2.6	48
92	Effective Demand Forecasting Model Using Business Intelligence Empowered With Machine Learning. IEEE Access, 2020, 8, 116013-116023.	2.6	39
93	Brain Tumor Analysis Empowered with Deep Learning: A Review, Taxonomy, and Future Challenges. Brain Sciences, 2020, 10, 118.	1.1	132
94	Modeling, Simulation and Optimization of Power Plant Energy Sustainability for IoT Enabled Smart Cities Empowered With Deep Extreme Learning Machine. IEEE Access, 2020, 8, 39982-39997.	2.6	58
95	Towards Secure FinTech: A Survey, Taxonomy, and Open Research Challenges. IEEE Access, 2020, 8, 23391-23406.	2.6	64
96	Intelligent task planner for cloud robotics using level of attention empowered with fuzzy system. SN Applied Sciences, 2020, 2, 1.	1.5	3
97	Modelling, Simulation and Optimization of Diagnosis Cardiovascular Disease Using Computational Intelligence Approaches. Journal of Medical Imaging and Health Informatics, 2020, 10, 1005-1022.	0.2	34
98	Intelligent Forecasting Model of COVID-19 Novel Coronavirus Outbreak Empowered with Deep Extreme Learning Machine. Computers, Materials and Continua, 2020, 64, 1329-1342.	1.5	41
99	Intelligent Cloud Based Heart Disease Prediction System Empowered with Supervised Machine Learning. Computers, Materials and Continua, 2020, 65, 139-151.	1.5	31
100	IoMT-Based Smart Monitoring Hierarchical Fuzzy Inference System for Diagnosis of COVID-19. Computers, Materials and Continua, 2020, 65, 2591-2605.	1.5	14
101	Efficient image cipher based on the movement of king on the chessboard and chaotic system. Journal of Electronic Imaging, 2020, 29, 1.	0.5	8
102	Forecast the Influenza Pandemic Using Machine Learning. Computers, Materials and Continua, 2020, 66, 331-340.	1.5	13
103	Enabling Smart Cities with Cognition Based Intelligent Route Decision in Vehicles Empowered with Deep Extreme Learning Machine. Computers, Materials and Continua, 2020, 66, 141-156.	1.5	4
104	Blind Channel and Data Estimation Using Fuzzy Logic Empowered Cognitive and Social Information-Based Particle Swarm Optimization (PSO). International Journal of Computational Intelligence Systems, 2020, 13, 400.	1.6	8
105	Roman Urdu News Headline Classification Empowered With Machine Learning. Computers, Materials and Continua, 2020, 65, 1221-1236.	1.5	7
106	Analysis of the Smart Player's Impact on the Success of a Team Empowered with Machine Learning. Computers, Materials and Continua, 2020, 66, 691-706.	1.5	2
107	Enhance Intrusion Detection in Computer Networks Based on Deep Extreme Learning Machine. Computers, Materials and Continua, 2020, 66, 467-480.	1.5	12
108	Time complexity analysis of GA-based variants uplink MC-CDMA system. SN Applied Sciences, 2019, 1, 1.	1.5	7

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109	Estimating virtual trust of cognitive agents using multi layered socio-fuzzy inference system. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2769-2784.	0.8	22
110	CDE using improved opposite based swarm optimization for MIMO systems. Journal of Intelligent and Fuzzy Systems, 2019, 37, 687-692.	0.8	23
111	Enhanced Fuzzy Resolution Appliance for Identification of Heart Disease in Teenagers. Communications in Computer and Information Science, 2019, , 28-37.	0.4	1
112	Analysis of Space & Time Complexity with PSO Based Synchronous MC-CDMA System. , 2019, , .		56
113	Complexity Analysis of DE based CE-UD MIMO System. , 2019, , .		2
114	Automated Diagnosis of Hepatitis B Using Multilayer Mamdani Fuzzy Inference System. Journal of Healthcare Engineering, 2019, 2019, 1-11.	1.1	31
115	Analysis of Smart Citizens: A Fuzzy Based Approach. , 2019, , .		38
116	Fuzzy-Based Model to Evaluate City Centric Parameters for Smart City. , 2019, , .		39
117	Skin Detection based Pornography Filtering using Adaptive Back Propagation Neural Network. , 2019, , .		4
118	Intelligent FSO Link for Communication in Natural Disasters empowered with Fuzzy Inference System. , 2019, , .		76
119	An RGB Image Cipher Using Chaotic Systems, 15-Puzzle Problem and DNA Computing. IEEE Access, 2019, 7, 174051-174071.	2.6	31
120	Synchronization of Virtual Databases: A Case of Smartphone Contacts. Journal of Computational and Theoretical Nanoscience, 2019, 16, 1740-1757.	0.4	2
121	MODELLING SMART ROAD TRAFFIC CONGESTION CONTROL SYSTEM USING MACHINE LEARNING TECHNIQUES. Neural Network World, 2019, 29, 99-110.	0.5	67
122	Efficient Load Balancing in Cloud Computing using Multi-Layered Mamdani Fuzzy Inference Expert System. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.5	19
123	Sensing Time Optimization Using Genetic Algorithm in Cognitive Radio Networks. Communications in Computer and Information Science, 2019, , 182-187.	0.4	0
124	Blind Channel and Data Estimation Using Fuzzy Logic-Empowered Opposite Learning-Based Mutant Particle Swarm Optimization. Computational Intelligence and Neuroscience, 2018, 2018, 1-12.	1.1	36
125	Intelligent Transportation System (ITS) for Smart-Cities using Mamdani Fuzzy Inference System. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.5	32
126	Standardization of Cloud Security using Mamdani Fuzzifier. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.5	0

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127	Island differential evolution based adaptive receiver for MC-CDMA system. , 2015, , .		5
128	Island genetic algorithm based MUD for MC-CDMA system. , 2015, , .		3
129	GA based adaptive receiver for MC-CDMA system. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 2267-2277.	0.9	29
130	GA Backing to STBC Based MC-CDMA Systems. , 2013, , .		11
131	Breast Cancer Detection and Classification Empowered With Transfer Learning. Frontiers in Public Health, 0, 10, .	1.3	22