Abdul Rehman Rehman Javed

List of Publications by Year
in descending order

77 papers	3,490 citations	147801 31 h-index	168389 53 g-index
82 all docs	82 docs citations	82 times ranked	1326 citing authors

#	Article	IF	Citations
1	Applications of Wireless Sensor Networks and Internet of Things Frameworks in the Industry Revolution 4.0: A Systematic Literature Review. Sensors, 2022, 22, 2087.	3.8	232
2	Future smart cities: requirements, emerging technologies, applications, challenges, and future aspects. Cities, 2022, 129, 103794.	5.6	175
3	CANintelliIDS: Detecting In-Vehicle Intrusion Attacks on a Controller Area Network Using CNN and Attention-Based GRU. IEEE Transactions on Network Science and Engineering, 2021, 8, 1456-1466.	6.4	142
4	A comprehensive survey of AI-enabled phishing attacks detection techniques. Telecommunication Systems, 2021, 76, 139-154.	2.5	140
5	Automated cognitive health assessment in smart homes using machine learning. Sustainable Cities and Society, 2021, 65, 102572.	10.4	113
6	DeepAMD: Detection and identification of Android malware using high-efficient Deep Artificial Neural Network. Future Generation Computer Systems, 2021, 115, 844-856.	7.5	112
7	Anomaly Detection in Automated Vehicles Using Multistage Attention-Based Convolutional Neural Network. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4291-4300.	8.0	111
8	KeySplitWatermark: Zero Watermarking Algorithm for Software Protection Against Cyber-Attacks. IEEE Access, 2020, 8, 72650-72660.	4.2	104
9	A collaborative healthcare framework for shared healthcare plan with ambient intelligence. Human-centric Computing and Information Sciences, 2020, 10, .	6.1	89
10	DIDDOS: An approach for detection and identification of Distributed Denial of Service (DDoS) cyberattacks using Gated Recurrent Units (GRU). Future Generation Computer Systems, 2021, 118, 453-466.	7.5	88
11	Enhancing Security of Health Information Using Modular Encryption Standard in Mobile Cloud Computing. IEEE Access, 2021, 9, 8820-8834.	4.2	85
12	Analyzing the Effectiveness and Contribution of Each Axis of Tri-Axial Accelerometer Sensor for Accurate Activity Recognition. Sensors, 2020, 20, 2216.	3.8	83
13	Cyber Security in IoT-Based Cloud Computing: A Comprehensive Survey. Electronics (Switzerland), 2022, 11, 16.	3.1	78
14	Cross corpus multi-lingual speech emotion recognition using ensemble learning. Complex & Intelligent Systems, 2021, 7, 1845-1854.	6.5	76
15	Deep Learning for Depression Detection from Textual Data. Electronics (Switzerland), 2022, 11, 676.	3.1	73
16	Analysis of security and energy efficiency for shortest route discovery in lowâ€energy adaptive clustering hierarchy protocol using Levenbergâ€Marquardt neural network and gated recurrent unit for intrusion detection system. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3997.	3.9	72
17	BCD-WERT: a novel approach for breast cancer detection using whale optimization based efficient features and extremely randomized tree algorithm. PeerJ Computer Science, 2021, 7, e390.	4.5	70
18	ElStream: An Ensemble Learning Approach for Concept Drift Detection in Dynamic Social Big Data Stream Learning. IEEE Access, 2021, 9, 66408-66419.	4.2	67

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19	DARE-SEP: A Hybrid Approach of Distance Aware Residual Energy-Efficient SEP for WSN. IEEE Transactions on Green Communications and Networking, 2021, 5, 611-621.	5.5	66
20	Integration of Blockchain Technology and Federated Learning in Vehicular (IoT) Networks: A Comprehensive Survey. Sensors, 2022, 22, 4394.	3.8	66
21	Brain Tumor and Glioma Grade Classification Using Gaussian Convolutional Neural Network. IEEE Access, 2022, 10, 29731-29740.	4.2	59
22	AlphaLogger: detecting motion-based side-channel attack using smartphone keystrokes. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 4869-4882.	4.9	56
23	Classification of COVID-19 individuals using adaptive neuro-fuzzy inference system. Multimedia Systems, 2022, 28, 1223-1237.	4.7	56
24	A smartphone sensors-based personalized human activity recognition system for sustainable smart cities. Sustainable Cities and Society, 2021, 71, 102970.	10.4	56
25	Secure Cloud Storage for Medical IoT Data using Adaptive Neuro-Fuzzy Inference System. International Journal of Fuzzy Systems, 2022, 24, 1203-1215.	4.0	53
26	Ensemble Adaboost classifier for accurate and fast detection of botnet attacks in connected vehicles. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4088.	3.9	46
27	Parkinson's Disease Management via Wearable Sensors: A Systematic Review. IEEE Access, 2022, 10, 35219-35237.	4.2	44
28	Sustainable Security for the Internet of Things Using Artificial Intelligence Architectures. ACM Transactions on Internet Technology, 2021, 21, 1-22.	4.4	43
29	Storage and Proximity Management for Centralized Personal Health Records Using an IPFS-Based Optimization Algorithm. Journal of Circuits, Systems and Computers, 2022, 31, .	1.5	43
30	A Comprehensive Survey on Computer Forensics: State-of-the-Art, Tools, Techniques, Challenges, and Future Directions. IEEE Access, 2022, 10, 11065-11089.	4.2	43
31	COVID-19 Related Sentiment Analysis Using State-of-the-Art Machine Learning and Deep Learning Techniques. Frontiers in Public Health, 2021, 9, 812735.	2.7	40
32	URLdeepDetect: A Deep Learning Approach for Detecting Malicious URLs Using Semantic Vector Models. Journal of Network and Systems Management, 2021, 29, 1.	4.9	36
33	PP-SPA: Privacy Preserved Smartphone-Based Personal Assistant to Improve Routine Life Functioning of Cognitive Impaired Individuals. Neural Processing Letters, 2023, 55, 35-52.	3.2	35
34	A comprehensive survey on digital video forensics: Taxonomy, challenges, and future directions. Engineering Applications of Artificial Intelligence, 2021, 106, 104456.	8.1	35
35	A Novel Ensemble Machine Learning Method to Detect Phishing Attack. , 2020, , .		31
36	Feature engineering and deep learning-based intrusion detection framework for securing edge IoT. Journal of Supercomputing, 2022, 78, 8852-8866.	3.6	30

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37	Exploratory data analysis, classification, comparative analysis, case severity detection, and internet of things in COVID-19 telemonitoring for smart hospitals. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 507-534.	2.8	30
38	Bio-Imaging-Based Machine Learning Algorithm for Breast Cancer Detection. Diagnostics, 2022, 12, 1134.	2.6	30
39	PersonalisedComfort: a personalised thermal comfort model to predict thermal sensation votes for smart building residents. Enterprise Information Systems, 2022, 16, .	4.7	29
40	PARCIV: Recognizing physical activities having complex interclass variations using semantic data of smartphone. Software - Practice and Experience, 2021, 51, 532-549.	3.6	29
41	SeFACED: Semantic-Based Forensic Analysis and Classification of E-Mail Data Using Deep Learning. IEEE Access, 2021, 9, 98398-98411.	4.2	29
42	Security in Next Generation Mobile Payment Systems: A Comprehensive Survey. IEEE Access, 2021, 9, 115932-115950.	4.2	29
43	Situation-Aware BDI Reasoning to Detect Early Symptoms of Covid 19 Using Smartwatch. IEEE Sensors Journal, 2023, 23, 898-905.	4.7	26
44	Context-aware Emotion Detection from Low-resource Urdu Language Using Deep Neural Network. ACM Transactions on Asian and Low-Resource Language Information Processing, 2023, 22, 1-30.	2.0	26
45	Risk monitoring strategy for confidentiality of healthcare information. Computers and Electrical Engineering, 2022, 100, 107833.	4.8	26
46	An Efficient Deep Learning Framework for Distracted Driver Detection. IEEE Access, 2021, 9, 169270-169280.	4.2	25
47	Incentive Mechanisms for Smart Grid: State of the Art, Challenges, Open Issues, Future Directions. Big Data and Cognitive Computing, 2022, 6, 47.	4.7	25
48	A survey on COVID-19 impact in the healthcare domain: worldwide market implementation, applications, security and privacy issues, challenges and future prospects. Complex & Intelligent Systems, 2023, 9, 1027-1058.	6.5	25
49	Subjective Answers Evaluation Using Machine Learning and Natural Language Processing. IEEE Access, 2021, 9, 158972-158983.	4.2	23
50	Hypertuned Deep Convolutional Neural Network for Sign Language Recognition. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.7	22
51	Collaborative Health Care Plan through Crowdsource Data using Ambient Application. , 2019, , .		21
52	WhatsApp Network Forensics: Discovering the IP Addresses of Suspects. , 2021, , .		19
53	A Sequential Machine Learning-cum-Attention Mechanism for Effective Segmentation of Brain Tumor. Frontiers in Oncology, 0, 12, .	2.8	19
54	Authorship identification using ensemble learning. Scientific Reports, 2022, 12, .	3.3	19

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55	Betalogger: Smartphone Sensor-based Side-channel Attack Detection and Text Inference Using Language Modeling and Dense MultiLayer Neural Network. ACM Transactions on Asian and Low-Resource Language Information Processing, 2021, 20, 1-17.	2.0	18
56	Classification and Categorization of COVID-19 Outbreak in Pakistan. Computers, Materials and Continua, 2021, 69, 1253-1269.	1.9	18
57	Robust Early Stage Botnet Detection using Machine Learning. , 2020, , .		17
58	A novel category detection of social media reviews in the restaurant industry. Multimedia Systems, 2023, 29, 1825-1838.	4.7	16
59	Interference Mitigation in D2D Communication Underlying Cellular Networks: Towards Green Energy. Computers, Materials and Continua, 2021, 68, 45-58.	1.9	14
60	Thermal Comfort Model for HVAC Buildings Using Machine Learning. Arabian Journal for Science and Engineering, 2022, 47, 2045-2060.	3.0	14
61	Green5G: Enhancing Capacity and Coverage in Device-to-Device Communication. Computers, Materials and Continua, 2021, 67, 1933-1950.	1.9	14
62	Toward Tweet-Mining Framework for Extracting Terrorist Attack-Related Information and Reporting. IEEE Access, 2021, 9, 115535-115547.	4.2	13
63	Suspicious transaction detection in banking cyber–physical systems. Computers and Electrical Engineering, 2022, 97, 107596.	4.8	13
64	A Large-Scale Benchmark Dataset for Anomaly Detection and Rare Event Classification for Audio Forensics. IEEE Access, 2022, 10, 38885-38894.	4.2	13
65	Byte-Level Object Identification for Forensic Investigation of Digital Images. , 2020, , .		12
66	A Multi-Agent Formalism Based on Contextual Defeasible Logic for Healthcare Systems. Frontiers in Public Health, 2022, 10, 849185.	2.7	10
67	Cellular automata trust-based energy drainage attack detection and prevention in Wireless Sensor Networks. Computer Communications, 2022, 191, 360-367.	5.1	10
68	Email Classification and Forensics Analysis using Machine Learning. , 2021, , .		9
69	A Novel Deep Auto-Encoder Based Linguistics Clustering Model for Social Text. ACM Transactions on Asian and Low-Resource Language Information Processing, 0, , .	2.0	7
70	Evading obscure communication from spam emails. Mathematical Biosciences and Engineering, 2021, 19, 1926-1943.	1.9	6
71	Privacy of Web Browsers: A Challenge in Digital Forensics. Lecture Notes in Electrical Engineering, 2022, , 493-504.	0.4	6
72	Mobile Cloud Computing Framework for Securing Data. , 2021, , .		5

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73	SHA-AMD: sample-efficient hyper-tuned approach for detection and identification of Android malware family and category. International Journal of Ad Hoc and Ubiquitous Computing, 2021, 38, 172.	0.5	3
74	Social Networking Security during COVID-19: A Systematic Literature Review. Wireless Communications and Mobile Computing, 2022, 2022, 1-21.	1.2	3
75	Social Relationship Analysis Using State-of-the-art Embeddings. ACM Transactions on Asian and Low-Resource Language Information Processing, 2023, 22, 1-21.	2.0	3
76	SHA-AMD: sample-efficient hyper-tuned approach for detection and identification of Android malware family and category. International Journal of Ad Hoc and Ubiquitous Computing, 2021, 38, 172.	0.5	1
77	Classification of Non-Functional Requirements From IoT Oriented Healthcare Requirement Document. Frontiers in Public Health, 2022, 10, 860536.	2.7	1