Celestine Iwendi

List of Publications by Year
in descending order

65 papers	2,951 citations	147801 31 h-index	182427 51 g-index
67 all docs	67 docs citations	67 times ranked	1884 citing authors

#	Article	IF	Citations
1	COVID-19 Patient Health Prediction Using Boosted Random Forest Algorithm. Frontiers in Public Health, 2020, 8, 357.	2.7	339
2	A metaheuristic optimization approach for energy efficiency in the IoT networks. Software - Practice and Experience, 2021, 51, 2558-2571.	3.6	152
3	Sensors Driven AI-Based Agriculture Recommendation Model for Assessing Land Suitability. Sensors, 2019, 19, 3667.	3.8	125
4	Realizing an Efficient IoMT-Assisted Patient Diet Recommendation System Through Machine Learning Model. IEEE Access, 2020, 8, 28462-28474.	4.2	119
5	KeySplitWatermark: Zero Watermarking Algorithm for Software Protection Against Cyber-Attacks. IEEE Access, 2020, 8, 72650-72660.	4.2	104
6	AI-empowered, blockchain and SDN integrated security architecture for IoT network of cyber physical systems. Computer Communications, 2022, 181, 274-283.	5.1	102
7	A Novel Deep Learning Model for Detection of Severity Level of the Disease in Citrus Fruits. Electronics (Switzerland), 2022, 11, 495.	3.1	101
8	The Use of Ensemble Models for Multiple Class and Binary Class Classification for Improving Intrusion Detection Systems. Sensors, 2020, 20, 2559.	3.8	94
9	A review on classification of imbalanced data for wireless sensor networks. International Journal of Distributed Sensor Networks, 2020, 16, 155014772091640.	2.2	94
10	Enhancing Security of Health Information Using Modular Encryption Standard in Mobile Cloud Computing. IEEE Access, 2021, 9, 8820-8834.	4.2	85
11	Analyzing the Effectiveness and Contribution of Each Axis of Tri-Axial Accelerometer Sensor for Accurate Activity Recognition. Sensors, 2020, 20, 2216.	3.8	83
12	On Detection of Sybil Attack in Large-Scale VANETs Using Spider-Monkey Technique. IEEE Access, 2018, 6, 47258-47267.	4.2	74
13	Analysis of security and energy efficiency for shortest route discovery in low†energy adaptive clustering hierarchy protocol using Levenberg†Marquardt neural network and gated recurrent unit for intrusion detection system. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3997.	3.9	72
14	N-Sanitization: A semantic privacy-preserving framework for unstructured medical datasets. Computer Communications, 2020, 161, 160-171.	5.1	63
15	Optimal Cooperative Offloading Scheme for Energy Efficient Multi-Access Edge Computation. IEEE Access, 2020, 8, 53931-53941.	4.2	62
16	Cyberbullying detection solutions based on deep learning architectures. Multimedia Systems, 2023, 29, 1839-1852.	4.7	58
17	Classification of COVID-19 individuals using adaptive neuro-fuzzy inference system. Multimedia Systems, 2022, 28, 1223-1237.	4.7	56
18	Socio-Technological Factors Affecting User†™s Adoption of eHealth Functionalities: A Case Study of China and Ukraine eHealth Systems. IEEE Access, 2019, 7, 90777-90788.	4.2	54

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19	A novel unsupervised ensemble framework using concept-based linguistic methods and machine learning for twitter sentiment analysis. Pattern Recognition Letters, 2022, 158, 80-86.	4.2	47
20	Cloud Data Encryption and Authentication Based on Enhanced Merkle Hash Tree Method. Computers, Materials and Continua, 2022, 72, 519-534.	1.9	45
21	Sustainable Security for the Internet of Things Using Artificial Intelligence Architectures. ACM Transactions on Internet Technology, 2021, 21, 1-22.	4.4	43
22	Covid-19 fake news sentiment analysis. Computers and Electrical Engineering, 2022, 101, 107967.	4.8	43
23	TBSMR: A Trust-Based Secure Multipath Routing Protocol for Enhancing the QoS of the Mobile Ad Hoc Network. Security and Communication Networks, 2021, 2021, 1-9.	1.5	42
24	Blockchain-Based Security Mechanism for the Medical Data at Fog Computing Architecture of Internet of Things. Electronics (Switzerland), 2021, 10, 2110.	3.1	42
25	An Efficient and Unique TF/IDF Algorithmic Model-Based Data Analysis for Handling Applications with Big Data Streaming. Electronics (Switzerland), 2019, 8, 1331.	3.1	41
26	Security of Things Intrusion Detection System for Smart Healthcare. Electronics (Switzerland), 2021, 10, 1375.	3.1	41
27	Hash-Based Deep Learning Approach for Remote Sensing Satellite Imagery Detection. Water (Switzerland), 2022, 14, 707.	2.7	41
28	Artificial Intelligence Enabled Road Vehicle-Train Collision Risk Assessment Framework for Unmanned Railway Level Crossings. IEEE Access, 2020, 8, 113790-113806.	4.2	39
29	Robust Navigational Control of a Two-Wheeled Self-Balancing Robot in a Sensed Environment. IEEE Access, 2019, 7, 82337-82348.	4.2	36
30	Realizing Efficient Security and Privacy in IoT Networks. Sensors, 2020, 20, 2609.	3.8	34
31	Identification of malnutrition and prediction of BMI from facial images using real‑time image processing and machine learning. IET Image Processing, 2022, 16, 647-658.	2.5	34
32	Game Theory-Based Authentication Framework to Secure Internet of Vehicles with Blockchain. Sensors, 2022, 22, 5119.	3.8	34
33	Secure Smart Wearable Computing through Artificial Intelligence-Enabled Internet of Things and Cyber-Physical Systems for Health Monitoring. Sensors, 2022, 22, 1076.	3.8	33
34	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
35	A Secure Multiuser Privacy Technique for Wireless IoT Networks Using Stochastic Privacy Optimization. IEEE Internet of Things Journal, 2022, 9, 2566-2577.	8.7	29
36	An Artificial Intelligence-Based Quorum System for the Improvement of the Lifespan of Sensor Networks. IEEE Sensors Journal, 2021, 21, 17373-17385.	4.7	28

#	ARTICLE	IF	CITATIONS
37	A Survey on Energy-Aware Wireless Sensor Routing Protocols. EAI Endorsed Transactions on Energy Web, 2019, 6, 160835.	0.4	28
38	ACO based key management routing mechanism for WSN security and data collection. , 2018, , .		27
39	Tackling pandemics in smart cities using machine learning architecture. Mathematical Biosciences and Engineering, 2021, 18, 8444-8461.	1.9	27
40	Pointer-Based Item-to-Item Collaborative Filtering Recommendation System Using a Machine Learning Model. International Journal of Information Technology and Decision Making, 2022, 21, 463-484.	3.9	25
41	COVID-19 health analysis and prediction using machine learning algorithms for Mexico and Brazil patients. Journal of Experimental and Theoretical Artificial Intelligence, 0, , 1-21.	2.8	25
42	A Neuro-Fuzzy Approach for Intrusion Detection in Energy Efficient Sensor Routing. , 2019, , .		24
43	SVBE: searchable and verifiable blockchain-based electronic medical records system. Scientific Reports, 2022, 12, 266.	3.3	22
44	Optimal Coordination of PSS and SSSC Controllers in Power System Using Ant Colony Optimization Algorithm. Journal of Circuits, Systems and Computers, 2022, 31, .	1.5	20
45	Analysis on security-related concerns of unmanned aerial vehicle: attacks, limitations, and recommendations. Mathematical Biosciences and Engineering, 2022, 19, 2641-2670.	1.9	20
46	ECDSA-Based Water Bodies Prediction from Satellite Images with UNet. Water (Switzerland), 2022, 14, 2234.	2.7	20
47	Performance Analysis of D2D Energy Efficient IoT Networks with Relay-Assisted Underlaying Technique. , 2018, , .		19
48	Enhanced security technique for wireless sensor network nodes. , 2012, , .		18
49	Improved Advance Encryption Standard with a Privacy Database Structure for IoT Nodes. , 2020, , .		18
50	Field-programmable gate arrays in a low power vision system. Computers and Electrical Engineering, 2021, 90, 106996.	4.8	14
51	A Counter-Eavesdropping Technique for Optimized Privacy of Wireless Industrial IoT Communications. IEEE Transactions on Industrial Informatics, 2022, 18, 6445-6454.	11.3	14
52	Capability and Robustness of Novel Hybridized Artificial Intelligence Technique for Sediment Yield Modeling in Godavari River, India. Water (Switzerland), 2022, 14, 1917.	2.7	14
53	An ACO-KMT Energy Efficient Routing Scheme for Sensed-IoT Network. , 2018, , .		12
54	Energy Efficient Clustering Based Routing Technique in WSN using Brain Storm Optimization. , 2019, , .		11

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55	Combined power generation and electricity storage device using deep learning and internet of things technologies. Energy Reports, 2022, 8, 5016-5025.	5.1	10
56	Wireless Sensor Network Nodes: Security and Deployment in the Niger-Delta Oil and Gas Sector. International Journal of Network Security and Its Applications, 2011, 3, 68-79.	0.5	8
57	Service Level Agreement Monitoring as a Service: An Independent Monitoring Service for Service Level Agreements in Clouds. Big Data, 2023, 11, 339-354.	3.4	7
58	Smart Analysis of Learners Performance Using Learning Analytics for Improving Academic Progression: A Case Study Model. Sustainability, 2022, 14, 3378.	3.2	7
59	Optimal Power Distribution Algorithm for Energy Efficient IoT-NOMA Enabled Networks. , 2019, , .		6
60	Optimal soft error mitigation in wireless communication using approximate logic circuits. Sustainable Computing: Informatics and Systems, 2021, 30, 100521.	2.2	5
61	Assessment of Dynamic Swarm Heterogeneous Clustering in Cognitive Radio Sensor Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-15.	1.2	5
62	Use of regional computing to minimize the social big data effects. Computers and Industrial Engineering, 2022, 171, 108433.	6.3	3
63	Power consumption trade-off analysis in an OFDM communication chain. , 2011, , .		1
64	Analysis of frequency characteristic of surface permanent magnet synchronous machine. , 2018, , .		1
65	Alternative Protocol Implementation for Wireless Sensor Network Nodes. General Medicine (Los) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	0