Sudhakar Sengan

List of Publications by Year
in descending order

43 papers	605 citations	623188 14 h-index	676716 22 g-index
51 all docs	51 docs citations	51 times ranked	301 citing authors

#	Article	IF	Citations
1	Enhancing cyber–physical systems with hybrid smart city cyber security architecture for secure public data-smart network. Future Generation Computer Systems, 2020, 112, 724-737.	4.9	61
2	Flow-based anomaly intrusion detection using machine learning model with software defined networking for OpenFlow network. Microprocessors and Microsystems, 2020, 79, 103285.	1.8	45
3	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
4	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
5	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
6	Fetal health classification from cardiotocographic data using machine learning. Expert Systems, 2022, 39, e12899.	2.9	30
7	Improved Network Traffic by Attacking Denial of Service to Protect Resource Using Z-Test Based 4-Tier Geomark Traceback (Z4TGT). Wireless Personal Communications, 2020, 114, 3541-3575.	1.8	24
8	Migrating from traditional grid to smart grid in smart cities promoted in developing country. Sustainable Energy Technologies and Assessments, 2021, 45, 101125.	1.7	23
9	An educational tool for enhanced mobile e-Learning for technical higher education using mobile devices for augmented reality. Microprocessors and Microsystems, 2021, 83, 104030.	1.8	22
10	Novel Collision Detection and Avoidance System for Midvehicle Using Offset-Based Curvilinear Motion. Wireless Personal Communications, 2021, 119, 2323-2344.	1.8	21
11	Design of peer-to-peer protocol with sensible and secure IoT communication for future internet architecture. Microprocessors and Microsystems, 2020, 78, 103216.	1.8	19
12	Improving secured ID-based authentication for cloud computing through novel hybrid fuzzy-based homomorphic proxy re-encryption. Soft Computing, 2020, 24, 18893-18908.	2.1	15
13	An integrated approach for sustainable development of wastewater treatment and management system using IoT in smart cities. Soft Computing, 2023, 27, 5159-5175.	2.1	15
14	Images super-resolution by optimal deep AlexNet architecture for medical application: A novel DOCALN1. Journal of Intelligent and Fuzzy Systems, 2020, 39, 8259-8272.	0.8	13
15	A machine learning approach for non-invasive fall detection using Kinect. Multimedia Tools and Applications, 2022, 81, 15491-15519.	2.6	13
16	Different loading condition and angle measurement of human lumbar spine MRI image using ANSYS. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 4991-5004.	3.3	12
17	A fuzzy based high-resolution multi-view deep CNN for breast cancer diagnosis through SVM classifier on visual analysis. Journal of Intelligent and Fuzzy Systems, 2020, 39, 8573-8586.	0.8	11
18	Medical information retrieval systems for e-Health care records using fuzzy based machine learning model. Microprocessors and Microsystems, 2020, , 103344.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Analysis and design of fuzzy-based manoeuvring model for mid-vehicle collision avoidance system. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 9909-9922.	3.3	10
20	An efficient control strategy of shunt active power filter for asymmetrical load condition using time domain approach. Journal of Discrete Mathematical Sciences and Cryptography, 2021, 24, 19-34.	0.5	9
21	Securing data in transit using data-in-transit defender architecture for cloud communication. Soft Computing, 2021, 25, 12343-12356.	2.1	9
22	Investigation and strategy of intelligent controller (ACBIC) for DC link control in SAPF system for industrial power systems. Journal of Discrete Mathematical Sciences and Cryptography, 2021, 24, 1-17.	0.5	8
23	Multilabel land cover aerial image classification using convolutional neural networks. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	8
24	English language teaching based on big data analytics in augmentative and alternative communication system. International Journal of Speech Technology, 2022, 25, 409-420.	1.4	8
25	Real-Time Automatic Investigation of Indian Roadway Animals by 3D Reconstruction Detection Using Deep Learning for R-3D-YOLOv3 Image Classification and Filtering. Electronics (Switzerland), 2021, 10, 3079.	1.8	8
26	Energy Efficient Clustering Protocol to Enhance Network Lifetime in Wireless Sensor Networks. Computers, Materials and Continua, 2021, 68, 3595-3614.	1.5	7
27	Cost-effective and efficient 3D human model creation and re-identification application for human digital twins. Multimedia Tools and Applications, 2022, 81, 26839-26856.	2.6	7
28	Modeling and multi-class classification of vibroarthographic signals via time domain curvilinear divergence random forest. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	6
29	Biological Feature Selection and Classification Techniques for Intrusion Detection on BAT. Wireless Personal Communications, 2022, 127, 1763-1785.	1.8	6
30	Encrypted Network Traffic Classification and Resource Allocation with Deep Learning in Software Defined Network. Wireless Personal Communications, 2022, 127, 749-765.	1.8	4
31	Certain Investigation of Fake News Detection from Facebook and Twitter Using Artificial Intelligence Approach. Wireless Personal Communications, 2022, 127, 1737-1762.	1.8	4
32	Prediction of influencing atmospheric conditions for explosion Avoidance in fireworks manufacturing Industry-A network approach. Environmental Pollution, 2022, 304, 119182.	3.7	3
33	Network embedding architecture using laplace regularization-non-negative matrix factorization for virtualization. Microprocessors and Microsystems, 2021, 81, 103616.	1.8	2
34	A Multi-Stakeholder Involved Effective E-Waste Management in Manufacturing Recycled Electronic Products Using Game Theory. Arabian Journal for Science and Engineering, 0, , 1.	1.7	2
35	An Enhanced Trust-Based Kalman Filter Route Optimization Technique for Wireless Sensor Networks. Wireless Personal Communications, 2022, 127, 1311-1329.	1.8	2
36	Analysis on Prediction of COVID-19 with Machine Learning Algorithms. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2022, 30, 67-82.	0.9	2

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37	Analyzing the Impact of Lockdown in Controlling Covid-19 Spread and Future Prediction. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 0, , .	0.9	2
38	Analysis of positive correlation in magnitude and time measurement for earthquake using electric signals. Earth Science Informatics, 2022, 15, 1527-1544.	1.6	1
39	Hardware design of real-valued NSCT transform for biomedical video compression. Materials Today: Proceedings, 2021, 45, 2192-2197.	0.9	0
40	Prewitt Logistic Deep Recurrent Neural Learning for Face Log Detection by Extracting Features from Images. Arabian Journal for Science and Engineering, 0, , 1.	1.7	0
41	Investigation on characteristics of Monte Carlo model of single electron transistor using Orthodox theory. Sustainable Energy Technologies and Assessments, 2021, 48, 101601.	1.7	0
42	Investigation on Agricultural Land Selection using Hybrid Fuzzy Logic System. Scalable Computing, 2020, 21, 569-582.	0.7	0
43	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