

Achyut Shankar

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

1,337
citations

331642
21
h-index

414395
32
g-index

78
all docs

78
docs citations

78
times ranked

655
citing authors

#	ARTICLE	IF	CITATIONS
1	Achieving concurrency in cloudâ€‘orchestrated Internet of Things for resource sharing through multiple concurrent access. Computational Intelligence, 2024, 40, .	3.2	2
2	A Non-invasive Approach to Identify Insulin Resistance with Triglycerides and HDL-c Ratio Using Machine learning. Neural Processing Letters, 2023, 55, 93-113.	3.2	29
3	Prediction of Landsliding using Univariate Forecasting Models. Internet Technology Letters, 2022, 5, e209.	1.9	16
4	Secure smart contracts for cloudâ€‘based manufacturing using Ethereum blockchain. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4129.	3.9	25
5	An intelligent ensemble of <scp>long</scp>â€‘short<scp>â€‘term</scp> memory with genetic algorithm for network anomaly identification. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4149.	3.9	6
6	ADOPT: automatic deep learning and optimization-based approach for detection of novel coronavirus COVID-19 disease using X-ray images. Journal of Biomolecular Structure and Dynamics, 2022, 40, 5836-5847.	3.5	57
7	A differentiated learning environment in domain model for learning disabled learners. Journal of Computing in Higher Education, 2022, 34, 60-82.	6.1	16
8	User-centric hybrid semi-autoencoder recommendation system. Multimedia Tools and Applications, 2022, 81, 23091-23104.	3.9	2
9	Prediction model using SMOTE, genetic algorithm and decision tree (PMSGD) for classification of diabetes mellitus. Multimedia Systems, 2022, 28, 1289-1307.	4.7	50
10	Modern Art Education and Teaching Based on Artificial Intelligence. Journal of Interconnection Networks, 2022, 22, .	1.0	14
11	IAF: IoT Attack Framework and Unique Taxonomy. Journal of Circuits, Systems and Computers, 2022, 31, .	1.5	3
12	Secure video communication using firefly optimization and visual cryptography. Artificial Intelligence Review, 2022, 55, 2997-3017.	15.7	37
13	Humanâ€‘computer interaction based visual feedback system forÂ‘augmentative and alternative communication. International Journal of Speech Technology, 2022, 25, 305-314.	2.2	18
14	Geospatial Modelling and Trend Analysis of Coronavirus Outbreaks Using Sentiment Analysis and Intelligent Algorithms. Advanced Technologies and Societal Change, 2022, , 1-19.	0.9	2
15	Towards Energy Efficient Approx Cache-coherence Protocol Verified using Model Checker. Computers and Electrical Engineering, 2022, 97, 107482.	4.8	7
16	A modified social spider algorithm for an efficient data dissemination in VANET. Environment, Development and Sustainability, 2022, , 1-44.	5.0	3
17	Remodeled chaotic compressive sensing scheme for secure and energy-efficient data forwarding in body-to-body network. Computers and Electrical Engineering, 2022, 97, 107633.	4.8	5
18	Prediction of IIoT traffic using a modified whale optimization approach integrated with random forest classifier. Journal of Supercomputing, 2022, 78, 10725-10756.	3.6	15

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19	Offline signature verification using deep neural network with application to computer vision. Journal of Electronic Imaging, 2022, 31, .	0.9	32
20	Framework for Enhancing the Traceability in Supply Chain Using Blockchain. Journal of Interconnection Networks, 2022, 22, .	1.0	3
21	FLER: Fuzzy Logic-Based Energy Efficient Routing for Wireless Sensor Networks. Lecture Notes in Networks and Systems, 2022, , 329-343.	0.7	1
22	A novel method for vehicle detection in high-resolution aerial remote sensing images using YOLT approach. Multimedia Tools and Applications, 2022, 81, 23551-23566.	3.9	9
23	A homomorphic non-subsampled contourlet transform based ultrasound image despeckling by novel thresholding function and self-organizing map. Biocybernetics and Biomedical Engineering, 2022, 42, 512-528.	5.9	5
24	Directive clustering contrast-based multi-modality medical image fusion for smart healthcare system. Network Modeling Analysis in Health Informatics and Bioinformatics, 2022, 11, 1.	2.1	13
25	Wireless Multimedia Sensor Network QoS Bottleneck Alert Mechanism Based on Fuzzy Logic. Journal of Circuits, Systems and Computers, 2022, 31, .	1.5	17
26	RST-DE: Rough Sets-Based New Differential Evolution Algorithm for Scalable Big Data Feature Selection in Distributed Computing Platforms. Big Data, 2022, 10, 356-367.	3.4	1
27	Network intrusion detection using ACO-DNN model with DVFS based energy optimization in cloud framework. Sustainable Computing: Informatics and Systems, 2022, 35, 100746.	2.2	10
28	A Review on Internet of Things in Healthcare Applications. Lecture Notes in Networks and Systems, 2022, , 387-394.	0.7	2
29	Intrusion detection and prevention system for an IoT environment. Digital Communications and Networks, 2022, 8, 540-551.	5.0	24
30	Live video streaming service with pay-as-you-use model on Ethereum Blockchain and InterPlanetary file system. Wireless Networks, 2022, 28, 3111-3125.	3.0	5
31	Privacy preserving E-voting cloud system based on ID based encryption. Peer-to-Peer Networking and Applications, 2021, 14, 2399-2409.	3.9	31
32	Increasing fault tolerance ability and network lifetime with clustered pollination in wireless sensor networks. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 2285-2298.	4.9	59
33	Fuzzy-Logic-Inspired Zone-Based Clustering Algorithm for Wireless Sensor Networks. International Journal of Fuzzy Systems, 2021, 23, 506-517.	4.0	22
34	Modelling and simulation of sprintersâ€™ health promotion strategy based on sports biomechanics. Connection Science, 2021, 33, 1028-1046.	3.0	15
35	Penetration testing framework for smart contract Blockchain. Peer-to-Peer Networking and Applications, 2021, 14, 2635-2650.	3.9	55
36	Recognizing Massive Mobile Traffic Patterns to Understand Urban Dynamics. , 2021, , .		1

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37	A novel optical image denoising technique using convolutional neural network and anisotropic diffusion for real-time surveillance applications. Journal of Real-Time Image Processing, 2021, 18, 1711-1728.	3.5	29
38	A Machine Learning Implementation for Mental Health Care. Application: Smart Watch for Depression Detection. , 2021, , .		24
39	Reduced PAPR Model Predictive Control based FBMC/OQAM signal for NB-IoT paradigm. International Journal of Machine Learning and Cybernetics, 2021, 12, 3309-3323.	3.6	6
40	A Review on SAR Image and its Despeckling. Archives of Computational Methods in Engineering, 2021, 28, 4633-4653.	10.2	44
41	A bio-inspired privacy-preserving framework for healthcare systems. Journal of Supercomputing, 2021, 77, 11099-11134.	3.6	30
42	CGP: Cluster-based gossip protocol for dynamic resource environment in cloud. Simulation Modelling Practice and Theory, 2021, 108, 102275.	3.8	20
43	Fog-Internet of things-assisted multi-sensor intelligent monitoring model to analyze the physical health condition. Technology and Health Care, 2021, 29, 1319-1337.	1.2	5
44	A new wavelet-based multi-focus image fusion technique using method noise and anisotropic diffusion for real-time surveillance application. Journal of Real-Time Image Processing, 2021, 18, 1051-1068.	3.5	22
45	A Secure IoT-Based Cloud Platform Selection Using Entropy Distance Approach and Fuzzy Set Theory. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	24
46	Fuzzy decision trees embedded with evolutionary fuzzy clustering for locating users using wireless signal strength in an indoor environment. International Journal of Intelligent Systems, 2021, 36, 4280-4297.	5.7	12
47	Multi-modal medical image fusion framework using co-occurrence filter and local extrema in NSST domain. Biomedical Signal Processing and Control, 2021, 68, 102788.	5.7	32
48	An Intelligent Session Key-Based Hybrid Lightweight Image Encryption Algorithm Using Logistic-Tent Map and Crossover Operator for Internet of Multimedia Things. Wireless Personal Communications, 2021, 121, 1857-1878.	2.7	30
49	Advanced deep learning algorithms for infectious disease modeling using clinical data- A Case Study on CoVID-19. Current Medical Imaging, 2021, 17, .	0.8	1
50	GPU-Accelerated implementation of a genetically optimized image encryption algorithm. Soft Computing, 2021, 25, 14413-14428.	3.6	5
51	Energy efficient cluster head selection for wireless sensor network by improved firefly optimisation. International Journal of Advanced Intelligence Paradigms, 2021, 19, 128.	0.3	3
52	Organ Risk Prediction for Parkinsonâ€™s Disease using Deep Learning Techniques. , 2021, , .		3
53	FAJIT: a fuzzy-based data aggregation technique for energy efficiency in wireless sensor network. Complex & Intelligent Systems, 2021, 7, 997-1007.	6.5	56
54	A novel approach for multi-constraints knapsack problem using cluster particle swarm optimization. Computers and Electrical Engineering, 2021, 96, 107399.	4.8	7

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55	Prediction of COVID-19 epidemic curve of India using supervised learning approach. International Journal of Computer Applications in Technology, 2021, 66, 433.	0.5	2
56	I-CARES: advancing health diagnosis and medication through IoT. Wireless Networks, 2020, 26, 2375-2389.	3.0	21
57	Empirical Analysis of Bitcoin network (2016-2020). , 2020, , .		6
58	Block Chain Based Internet of Medical Things for Uninterrupted, Ubiquitous, User-Friendly, Unflappable, Unblemished, Unlimited Health Care Services (BC IoMT U ⁶ HCS). IEEE Access, 2020, 8, 216856-216872.	4.2	57
59	Vector Borne Disease Outbreak Prediction by Machine Learning. , 2020, , .		9
60	Big Data analytics and IoT in Operation safety management in Under Water Management. Computer Communications, 2020, 154, 188-196.	5.1	70
61	An efficient hybrid methodology for detection of cancer-causing gene using CSC for micro array data. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 4743-4751.	4.9	47
62	Optimized routing method for wireless sensor networks based on improved ant colony algorithm. , 2020, , .		11
63	Efficient Predictive Model for Utilization of Computing Resources using Machine Learning Techniques. , 2020, , .		9
64	Learning And Predicting Diabetes Data Sets Using Semi-Supervised Learning. , 2020, , .		2
65	Modified fuzzy-based greedy routing protocol for VANETs. Journal of Intelligent and Fuzzy Systems, 2020, 39, 8357-8364.	1.4	0
66	An Intelligent approach for UAV and Drone Privacy Security Using Blockchain Methodology. , 2019, , .		40
67	An effective Vehicular Adhoc Network Using Cloud Computing: A Review. , 2019, , .		7
68	Hybrid model for security-aware cluster head selection in wireless sensor networks. IET Wireless Sensor Systems, 2019, 9, 68-76.	1.7	39
69	Dynamicity of the scout bee phase for an Artificial Bee Colony for optimized cluster head and network parameters for energy efficient sensor routing. Simulation, 2018, 94, 835-847.	1.8	10
70	Security Enabled Cluster Head Selection for Wireless Sensor Network Using Improved Firefly Optimization. Advances in Intelligent Systems and Computing, 2018, , 176-192.	0.6	1
71	Optimal cluster head selection framework to support energy aware routing protocols of wireless sensor network. International Journal of Networking and Virtual Organisations, 2018, 18, 144.	0.2	0
72	Base Station Positioning in Wireless Sensor Network to aid Cluster Head Selection Process. International Journal of Intelligent Engineering and Systems, 2017, 10, 173-182.	0.6	8

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73	A Novel Energy Efficient Clustering Mechanism in Wireless Sensor Network. Procedia Computer Science, 2016, 89, 134-141.	2.0	20
74	MSPB: intelligent SAR despeckling using wavelet thresholding and bilateral filter for big visual radar data restoration and provisioning quality of experience in real-time remote sensing. Environment, Development and Sustainability, 0, , .	5.0	2