Ashish Kr Luhach

List of Publications by Year
in descending order

71 papers	1,113 citations	430442 18 h-index	476904 29 g-index
78 all docs	78 docs citations	78 times ranked	777 citing authors

#	Article	IF	Citations
1	A Novel Patient-Centric Architectural Framework for Blockchain-Enabled Healthcare Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 5779-5789.	7.2	122
2	Energy-Aware Task Allocation for Multi-Cloud Networks. IEEE Access, 2020, 8, 178825-178834.	2.6	51
3	Energy efficient optimal parent selection based <scp>routing protocol for</scp> Internet of Things using firefly optimization algorithm. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4171.	2.6	47
4	A genetic algorithm for energy efficient fog layer resource management in context-aware smart cities. Sustainable Cities and Society, 2020, 63, 102428.	5.1	46
5	DRFS: Detecting Risk Factor of Stroke Disease from Social Media Using Machine Learning Techniques. Neural Processing Letters, 2023, 55, 3843-3861.	2.0	44
6	Energy and Delay Aware Data Aggregation in Routing Protocol for Internet of Things. Sensors, 2019, 19, 5486.	2.1	39
7	Supervised link prediction using structured€based feature extraction in social network. Concurrency Computation Practice and Experience, 2022, 34, e5839.	1.4	37
8	A novel Software-Defined Drone Network (SDDN)-based collision avoidance strategies for on-road traffic monitoring and management. Vehicular Communications, 2021, 28, 100313.	2.7	37
9	IOT based Air Quality Monitoring System Using MQ135 and MQ7 with Machine Learning Analysis. Scalable Computing, 2019, 20, 599-606.	0.7	37
10	A Neuro-fuzzy approach for user behaviour classification and prediction. Journal of Cloud Computing: Advances, Systems and Applications, 2019, 8, .	2.1	36
11	Evolution of wireless sensor network design from technology centric to user centric: An architectural perspective. International Journal of Distributed Sensor Networks, 2020, 16, 155014772094913.	1.3	34
12	CT-RPL: Cluster Tree Based Routing Protocol to Maximize the Lifetime of Internet of Things. Sensors, 2020, 20, 5858.	2.1	27
13	Hybrid chaotic firefly decision making model for Parkinson€™s disease diagnosis. International Journal of Distributed Sensor Networks, 2020, 16, 155014771989521.	1.3	26
14	Enhanced method of ANN based model for detection of DDoS attacks on multimedia internet of things. Multimedia Tools and Applications, 2022, 81, 26739-26757.	2.6	26
15	Deep learning with perspective modeling for early detection of malignancy in mammograms. Journal of Discrete Mathematical Sciences and Cryptography, 2019, 22, 627-643.	0.5	25
16	Analysis of Lightweight Cryptographic Solutions for Internet of Things. Indian Journal of Science and Technology, 2016, 9, .	0.5	23
17	Energy-aware grid-based data aggregation scheme in routing protocol for agricultural internet of things. Sustainable Computing: Informatics and Systems, 2020, 28, 100422.	1.6	22
18	The need for local adaptation of smart infrastructure for sustainable economic management. Environmental Impact Assessment Review, 2021, 88, 106565.	4.4	22

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19	A Smart Cloud Service Management Algorithm for Vehicular Clouds. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5329-5340.	4.7	21
20	A Resource Management Algorithm for Virtual Machine Migration in Vehicular Cloud Computing. Computers, Materials and Continua, 2021, 67, 2647-2663.	1.5	19
21	An Ensemble-Based Scalable Approach for Intrusion Detection Using Big Data Framework. Big Data, 2021, 9, 303-321.	2.1	19
22	Classification and Identification of Primitive Kharif Crops using Supervised Deep Convolutional Networks. Sustainable Computing: Informatics and Systems, 2020, 28, 100340.	1.6	17
23	RTSM: Response time optimisation during switch migration in software‐defined wide area network. IET Wireless Sensor Systems, 2020, 10, 105-111.	1.3	17
24	Artificial intelligence based commuter behaviour profiling framework using Internet of things for real-time decision-making. Neural Computing and Applications, 2020, 32, 16057-16071.	3.2	16
25	Pandemic COVID-19: An empirical analysis of impact on Indian higher education system. Journal of Statistics and Management Systems, 2021, 24, 341-355.	0.3	16
26	Remote Pulmonary Function Test Monitoring in Cloud Platform via Smartphone Built-in Microphone. Evolutionary Bioinformatics, 2019, 15, 117693431988890.	0.6	15
27	Real-time automated video highlight generation with dual-stream hierarchical growing self-organizing maps. Journal of Real-Time Image Processing, 2021, 18, 1457-1475.	2.2	14
28	An Optimal Load Balancing Technique for Cloud Computing Environment using Bat Algorithm. Indian Journal of Science and Technology, 2016, 9, .	0.5	13
29	Dynamic MODCOD and power allocation in DVB-S2: a hybrid intelligent approach. Telecommunication Systems, 2021, 76, 49-61.	1.6	13
30	Predicting the motivators of telemedicine acceptance in COVID-19 pandemic using multiple regression and ANN approach. Journal of Statistics and Management Systems, 2021, 24, 319-339.	0.3	13
31	Detection and Analysis of Lung Cancer Using Radiomic Approach. , 2019, , 13-24.		12
32	Classification and analysis of users review using different classification techniques in intelligent e-learning system. International Journal of Intelligent Information and Database Systems, 2020, 13, 139.	0.3	12
33	Nature inspired route optimization in vehicular adhoc network. , 2016, , .		11
34	The optimized energy-efficient sensible edge processing model for the internet of vehicles in smart cities. Sustainable Energy Technologies and Assessments, 2021, 47, 101477.	1.7	11
35	Designing A Logical Security Framework for E-Commerce System Based on SOA. International Journal on Soft Computing, 2014, 5, 1-10.	0.1	10
36	Soft-computing-based false alarm reduction for hierarchical data of intrusion detection system. International Journal of Distributed Sensor Networks, 2019, 15, 155014771988313.	1.3	10

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37	Demandâ€"Supply-Based Economic Model for Resource Provisioning in Industrial IoT Traffic. IEEE Internet of Things Journal, 2022, 9, 10529-10538.	5.5	9
38	A Systematic Survey on Congestion Mechanisms of CoAP Based Internet of Things. Communications in Computer and Information Science, 2017, , 306-317.	0.4	8
39	Performance of Energy Conservation Models, Generic, Micaz and Micamotes, using AODV Routing Protocol on a Wireless Sensor Network. Scalable Computing, 2019, 20, 631-639.	0.7	8
40	Zoomorphic Mobile Robot Development for Vertical Movement Based on the Geometrical Family Caterpillar. Computational Intelligence and Neuroscience, 2022, 2022, 1-19.	1.1	8
41	Research and Analysis of Lightweight Cryptographic Solutions for Internet of Things. , 2016, , .		7
42	Investigating TYPE constraint for frequent pattern mining. Journal of Discrete Mathematical Sciences and Cryptography, 2019, 22, 605-626.	0.5	7
43	Applying SOA to an E-commerce system and designing a logical security framework for small and medium sized E-commerce based on SOA. , 2014, , .		6
44	Implementing the Logical Security Framework for E-Commerce Based on Service-Oriented Architecture. Advances in Intelligent Systems and Computing, 2016, , 1-13.	0.5	6
45	Performance comparison of Apache Hadoop and Apache Spark. , 2019, , .		6
46	Improved faultâ€tolerant optimal route reconstruction approach for energy consumed areas in wireless sensor networks. IET Wireless Sensor Systems, 2020, 10, 112-116.	1.3	6
47	Classification of Plants Using Convolutional Neural Network. Advances in Intelligent Systems and Computing, 2020, , 551-561.	0.5	5
48	NCCLA: new caledonian crow learning algorithm based cluster head selection for Internet of Things in smart cities. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 4651-4661.	3.3	5
49	Motor imagery-based neuro-feedback system using neuronal excitation of the active synapses. Annales Des Telecommunications/Annals of Telecommunications, 2019, 76, 413.	1.6	4
50	Honey Bee Optimization based Sink Mobility Aware Heterogeneous Protocol for Wireless Sensor Network. Scalable Computing, 2019, 20, 591-598.	0.7	4
51	Optimized Economic Loading of Distribution Transformers Using Minimum Energy Loss Computing. Mathematical Problems in Engineering, 2021, 2021, 1-9.	0.6	4
52	Analyzing user typing behaviour in different positions using keystroke dynamics for mobile phones. Journal of Discrete Mathematical Sciences and Cryptography, 2019, 22, 591-603.	0.5	3
53	A virtual execution platform for OpenFlow controller using NFV. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 964-971.	2.7	3
54	Automated classification of soil images using chaotic Henryâ€™s gas solubility optimization: Smart agricultural system. Microprocessors and Microsystems, 2021, , 103854.	1.8	3

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55	Comparison of Various Routing and Compression Algorithms: A Comparative Study of Various Algorithms in Wireless Networking. Communications in Computer and Information Science, 2016, , 128-134.	0.4	3
56	Speed of Things (SoT): Evolution of Isolation-to-Intermingle (I2I) Technology Transition Towards IoT. Recent Patents on Computer Science, 2019, 12, 354-360.	0.5	3
57	Performance Analysis of QMF Filter Bank For Wireless Voip in Pervasive Environment. Recent Patents on Computer Science, 2019, 12, 349-353.	0.5	3
58	Epidemic Prediction using Machine Learning and Deep Learning Models on COVID-19 Data. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 377-393.	1.8	3
59	Electronic User Authentication Key for Access to HMI/SCADA via Unsecured Internet Networks. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	3
60	An Approach to Analyse the Agriculture Acreage and Estimate Production. Indian Journal of Science and Technology, 2016, 9, .	0.5	2
61	To Enhance the Security in Wireless Nodes using Centralized and Synchronized IDS Technique. Indian Journal of Science and Technology, 2016, 9, .	0.5	2
62	Designing and Implementing the Logical Security Framework for Ecommerce Based on Service Oriented Architecture. International Journal of Advanced Information Technology, 2014, 4, 25-34.	1.0	1
63	An approach to improve test path generation: Inclination towards automated model-based software design and testing. , 2016, , .		1
64	Research and analysis for adaptive IFIR Filters for voice quality enhancement in wireless VoIP. Journal of Discrete Mathematical Sciences and Cryptography, 2019, 22, 581-590.	0.5	1
65	Big Data Analysis on Job Trends Using R. Recent Advances in Computer Science and Communications, 2021, 14, 100-108.	0.5	1
66	Efficient Digital Filter Banking Algorithm for Wireless VoIP. Communications in Computer and Information Science, 2019, , 806-814.	0.4	1
67	SMART INVENTORY SYSTEM SCENARIO BASED ON INTERNET OF THINGS. Far East Journal of Electronics and Communications, 0, , 565-574.	0.2	1
68	A Quasistraight Line Routing Protocol for Square Grid-Based Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	0.8	1
69	Introduction to the Special Issue on Smart Sensors for Scalable Computing. Scalable Computing, 2019, 20, iii.	0.7	0
70	Coauthorship Network Mining for Scholar Communication and Collaboration Path Recommendation. Security and Communication Networks, 2021, 2021, 1-11.	1.0	0
71	Trusted Service Evaluation for Mobile Edge Users: Challenges and Reviews. Complexity, 2021, 2021, 1-10.	0.9	0