

Ashish Kr Luhach

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

501
citations

13
h-index

16
g-index

78
ext. papers

788
ext. citations

2.2
avg, IF

4.79
L-index

#	Paper	IF	Citations
72	Zoomorphic Mobile Robot Development for Vertical Movement Based on the Geometrical Family Caterpillar.. <i>Computational Intelligence and Neuroscience</i> , 2022 , 2022, 3046116	3	3
71	Electronic User Authentication Key for Access to HMI/SCADA via Unsecured Internet Networks.. <i>Computational Intelligence and Neuroscience</i> , 2022 , 2022, 5866922	3	0
70	A Quasistraight Line Routing Protocol for Square Grid-Based Wireless Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2022 , 2022, 1-11	1.9	
69	Coauthorship Network Mining for Scholar Communication and Collaboration Path Recommendation. <i>Security and Communication Networks</i> , 2021 , 2021, 1-11	1.9	
68	Demand-Supply Based Economic Model for Resource Provisioning in Industrial IoT Traffic. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
67	Big Data Analysis on Job Trends Using R. <i>Recent Advances in Computer Science and Communications</i> , 2021 , 14, 100-108	0.6	0
66	Multi-criteria-based approach for job scheduling in industry 4.0 in smart cities using fuzzy logic. <i>Soft Computing</i> , 2021 , 25, 12059-12074	3.5	5
65	The need for local adaptation of smart infrastructure for sustainable economic management. <i>Environmental Impact Assessment Review</i> , 2021 , 88, 106565	5.3	5
64	Dynamic MODCOD and power allocation in DVB-S2: a hybrid intelligent approach. <i>Telecommunication Systems</i> , 2021 , 76, 49-61	2.3	6
63	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 5329-5340	6.1	9
62	A novel Software-Defined Drone Network (SDDN)-based collision avoidance strategies for on-road traffic monitoring and management. <i>Vehicular Communications</i> , 2021 , 28, 100313	5.7	11
61	Energy efficient optimal parent selection based routing protocol for Internet of Things using firefly optimization algorithm. <i>Transactions on Emerging Telecommunications Technologies</i> , 2021 , 32, e4171	1.9	7
60	A Resource Management Algorithm for Virtual Machine Migration in Vehicular Cloud Computing. <i>Computers, Materials and Continua</i> , 2021 , 67, 2647-2663	3.9	7
59	Workplace safety and risk analysis using Additive Heterogeneous Hybridized Computational Model. <i>Aggression and Violent Behavior</i> , 2021 , 101558	3.9	1
58	Pandemic COVID-19: An empirical analysis of impact on Indian higher education system. <i>Journal of Statistics and Management Systems</i> , 2021 , 24, 341-355	0.9	8
57	Predicting the motivators of telemedicine acceptance in COVID-19 pandemic using multiple regression and ANN approach. <i>Journal of Statistics and Management Systems</i> , 2021 , 24, 319-339	0.9	7
56	A Novel Patient-Centric Architectural Framework for Blockchain-Enabled Healthcare Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 5779-5789	11.9	33

55	An Ensemble-Based Scalable Approach for Intrusion Detection Using Big Data Framework. <i>Big Data</i> , 2021 , 9, 303-321	3.1	5
54	The optimized energy-efficient sensible edge processing model for the internet of vehicles in smart cities. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 47, 101477	4.7	4
53	Automated classification of soil images using chaotic Henry gas solubility optimization: Smart agricultural system. <i>Microprocessors and Microsystems</i> , 2021 , 103854	2.4	1
52	Trusted Service Evaluation for Mobile Edge Users: Challenges and Reviews. <i>Complexity</i> , 2021 , 2021, 1-10	1.6	
51	Optimized Economic Loading of Distribution Transformers Using Minimum Energy Loss Computing. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-9	1.1	0
50	Improved fault-tolerant optimal route reconstruction approach for energy consumed areas in wireless sensor networks. <i>IET Wireless Sensor Systems</i> , 2020 , 10, 112-116	1.6	5
49	RTSM: Response time optimisation during switch migration in software-defined wide area network. <i>IET Wireless Sensor Systems</i> , 2020 , 10, 105-111	1.6	14
48	DRFS: Detecting Risk Factor of Stroke Disease from Social Media Using Machine Learning Techniques. <i>Neural Processing Letters</i> , 2020 , 1	2.4	22
47	Real-time automated video highlight generation with dual-stream hierarchical growing self-organizing maps. <i>Journal of Real-Time Image Processing</i> , 2020 , 18, 1457	1.9	9
46	A virtual execution platform for OpenFlow controller using NFV. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2020 , 34, 964-964	2.5	
45	Hybrid chaotic firefly decision making model for Parkinson disease diagnosis. <i>International Journal of Distributed Sensor Networks</i> , 2020 , 16, 155014771989521	1.7	15
44	Supervised link prediction using structured-based feature extraction in social network. <i>Concurrency Computation Practice and Experience</i> , 2020 , e5839	1.4	18
43	Artificial intelligence based commuter behaviour profiling framework using Internet of things for real-time decision-making. <i>Neural Computing and Applications</i> , 2020 , 32, 16057-16071	4.8	10
42	Classification and analysis of users review using different classification techniques in intelligent e-learning system. <i>International Journal of Intelligent Information and Database Systems</i> , 2020 , 13, 139	0.3	7
41	Classification of Plants Using Convolutional Neural Network. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 551-561	0.4	3
40	A genetic algorithm for energy efficient fog layer resource management in context-aware smart cities. <i>Sustainable Cities and Society</i> , 2020 , 63, 102428	10.1	25
39	Energy-aware grid-based data aggregation scheme in routing protocol for agricultural internet of things. <i>Sustainable Computing: Informatics and Systems</i> , 2020 , 28, 100422	3	8
38	CT-RPL: Cluster Tree Based Routing Protocol to Maximize the Lifetime of Internet of Things. <i>Sensors</i> , 2020 , 20,	3.8	11

37	Energy-Aware Task Allocation for Multi-Cloud Networks. <i>IEEE Access</i> , 2020 , 8, 178825-178834	3.5	13
36	Evolution of wireless sensor network design from technology centric to user centric: An architectural perspective. <i>International Journal of Distributed Sensor Networks</i> , 2020 , 16, 155014772094913	1.7	17
35	Classification and Identification of Primitive Kharif Crops using Supervised Deep Convolutional Networks. <i>Sustainable Computing: Informatics and Systems</i> , 2020 , 28, 100340	3	9
34	Performance comparison of Apache Hadoop and Apache Spark 2019 ,		2
33	Deep learning with perspective modeling for early detection of malignancy in mammograms. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2019 , 22, 627-643	1.7	17
32	Investigating TYPE constraint for frequent pattern mining. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2019 , 22, 605-626	1.7	4
31	Research and analysis for adaptive IFIR Filters for voice quality enhancement in wireless VoIP. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2019 , 22, 581-590	1.7	1
30	Analyzing user typing behaviour in different positions using keystroke dynamics for mobile phones. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2019 , 22, 591-603	1.7	0
29	Detection and Analysis of Lung Cancer Using Radiomic Approach 2019 , 13-24		12
28	Soft-computing-based false alarm reduction for hierarchical data of intrusion detection system. <i>International Journal of Distributed Sensor Networks</i> , 2019 , 15, 155014771988313	1.7	7
27	Honey Bee Optimization based Sink Mobility Aware Heterogeneous Protocol for Wireless Sensor Network. <i>Scalable Computing</i> , 2019 , 20, 591-598	2.4	4
26	IOT based Air Quality Monitoring System Using MQ135 and MQ7 with Machine Learning Analysis. <i>Scalable Computing</i> , 2019 , 20, 599-606	2.4	15
25	Performance of Energy Conservation Models, Generic, Micaz and Micamotes, using AODV Routing Protocol on a Wireless Sensor Network. <i>Scalable Computing</i> , 2019 , 20, 631-639	2.4	7
24	Speed of Things (SoT): Evolution of Isolation-to-Intermingle (I2I) Technology Transition Towards IoT. <i>Recent Patents on Computer Science</i> , 2019 , 12, 354-360	1	1
23	Performance Analysis of QMF Filter Bank For Wireless Voip in Pervasive Environment. <i>Recent Patents on Computer Science</i> , 2019 , 12, 349-353	1	3
22	Analysis of Enhanced Hybrid Approach Using Greedy Perimeter Stateless Routing in VANET. <i>Communications in Computer and Information Science</i> , 2019 , 464-471	0.3	0
21	Efficient Digital Filter Banking Algorithm for Wireless VoIP. <i>Communications in Computer and Information Science</i> , 2019 , 806-814	0.3	1
20	Energy and Delay Aware Data Aggregation in Routing Protocol for Internet of Things. <i>Sensors</i> , 2019 , 19,	3.8	18

19	Remote Pulmonary Function Test Monitoring in Cloud Platform via Smartphone Built-in Microphone. <i>Evolutionary Bioinformatics</i> , 2019 , 15, 1176934319888904	1.9	7
18	A Neuro-fuzzy approach for user behaviour classification and prediction. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2019 , 8,	3.2	22
17	Motor imagery-based neuro-feedback system using neuronal excitation of the active synapses. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2019 , 76, 413	2	2
16	A Systematic Survey on Congestion Mechanisms of CoAP Based Internet of Things. <i>Communications in Computer and Information Science</i> , 2017 , 306-317	0.3	7
15	Research and Analysis of Lightweight Cryptographic Solutions for Internet of Things 2016 ,		5
14	Implementing the Logical Security Framework for E-Commerce Based on Service-Oriented Architecture. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 1-13	0.4	5
13	To Enhance the Security in Wireless Nodes using Centralized and Synchronized IDS Technique. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	2
12	Comparison of Various Routing and Compression Algorithms: A Comparative Study of Various Algorithms in Wireless Networking. <i>Communications in Computer and Information Science</i> , 2016 , 128-134 ^{0.3}		2
11	An Optimal Load Balancing Technique for Cloud Computing Environment using Bat Algorithm. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	7
10	An Approach to Analyse the Agriculture Acreage and Estimate Production. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	1
9	Analysis of Lightweight Cryptographic Solutions for Internet of Things. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	14
8	Layer Based Security in Internet of Things: Current Mechanisms, Prospective Attacks, and Future Orientation. <i>Communications in Computer and Information Science</i> , 2016 , 896-903	0.3	4
7	Nature inspired route optimization in vehicular adhoc network 2016 ,		9
6	Research and Analysis of Open Security Issues in Communication for Wireless Sensor Network. <i>Communications in Computer and Information Science</i> , 2016 , 135-142	0.3	1
5	Designing A Logical Security Framework for E-Commerce System Based on SOA. <i>International Journal on Soft Computing</i> , 2014 , 5, 1-10	2	7
4	Applying SOA to an E-commerce system and designing a logical security framework for small and medium sized E-commerce based on SOA 2014 ,		5
3	Enhanced method of ANN based model for detection of DDoS attacks on multimedia internet of things. <i>Multimedia Tools and Applications</i> ,1	2.5	5
2	Epidemic Prediction using Machine Learning and Deep Learning Models on COVID-19 Data. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> ,1-17	2	1

- 1 NCCLA: new caledonian crow learning algorithm based cluster head selection for Internet of Things in smart cities. *Journal of Ambient Intelligence and Humanized Computing*,1 3-7 1