

Ashish Khanna

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

4,420
citations

136740

32
h-index

114278

63
g-index

108
all docs

108
docs citations

108
times ranked

3597
citing authors

#	ARTICLE	IF	CITATIONS
1	CovidGAN: Data Augmentation Using Auxiliary Classifier GAN for Improved Covid-19 Detection. IEEE Access, 2020, 8, 91916-91923.	2.6	517
2	Identifying pneumonia in chest X-rays: A deep learning approach. Measurement: Journal of the International Measurement Confederation, 2019, 145, 511-518.	2.5	299
3	Automated detection and classification of fundus diabetic retinopathy images using synergic deep learning model. Pattern Recognition Letters, 2020, 133, 210-216.	2.6	182
4	An optimized dense convolutional neural network model for disease recognition and classification in corn leaf. Computers and Electronics in Agriculture, 2020, 175, 105456.	3.7	176
5	Optimized cuttlefish algorithm for diagnosis of Parkinson's disease. Cognitive Systems Research, 2018, 52, 36-48.	1.9	157
6	Sound Classification Using Convolutional Neural Network and Tensor Deep Stacking Network. IEEE Access, 2019, 7, 7717-7727.	2.6	153
7	Improved diagnosis of Parkinson's disease using optimized crow search algorithm. Computers and Electrical Engineering, 2018, 68, 412-424.	3.0	151
8	An efficient Lightweight integrated Blockchain (ELIB) model for IoT security and privacy. Future Generation Computer Systems, 2020, 102, 1027-1037.	4.9	150
9	Adapting weather conditions based IoT enabled smart irrigation technique in precision agriculture mechanisms. Neural Computing and Applications, 2019, 31, 277-292.	3.2	142
10	An Effective Training Scheme for Deep Neural Network in Edge Computing Enabled Internet of Medical Things (IoMT) Systems. IEEE Access, 2020, 8, 107112-107123.	2.6	126
11	Boosted neural network ensemble classification for lung cancer disease diagnosis. Applied Soft Computing Journal, 2019, 80, 579-591.	4.1	118
12	Seasonal Crops Disease Prediction and Classification Using Deep Convolutional Encoder Network. Circuits, Systems, and Signal Processing, 2020, 39, 818-836.	1.2	111
13	Effective Features to Classify Big Data Using Social Internet of Things. IEEE Access, 2018, 6, 24196-24204.	2.6	104
14	Diagnosis of breast cancer based on modern mammography using hybrid transfer learning. Multidimensional Systems and Signal Processing, 2021, 32, 747-765.	1.7	102
15	An internet of health things driven deep learning framework for detection and classification of skin cancer using transfer learning. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3963.	2.6	99
16	Alzheimer detection using Group Grey Wolf Optimization based features with convolutional classifier. Computers and Electrical Engineering, 2019, 77, 230-243.	3.0	98
17	IoT enabled depthwise separable convolution neural network with deep support vector machine for COVID-19 diagnosis and classification. International Journal of Machine Learning and Cybernetics, 2021, 12, 3235-3248.	2.3	94
18	Detection of subtype blood cells using deep learning. Cognitive Systems Research, 2018, 52, 1036-1044.	1.9	92

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19	Automatic Vehicle License Plate Recognition Using Optimal K-Means With Convolutional Neural Network for Intelligent Transportation Systems. <i>IEEE Access</i> , 2020, 8, 92907-92917.	2.6	90
20	Early diagnosis of COVID-19-affected patients based on X-ray and computed tomography images using deep learning algorithm. <i>Soft Computing</i> , 2023, 27, 2635-2643.	2.1	87
21	Optimized Binary Bat algorithm for classification of white blood cells. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 143, 180-190.	2.5	70
22	Usability feature extraction using modified crow search algorithm: a novel approach. <i>Neural Computing and Applications</i> , 2020, 32, 10915-10925.	3.2	68
23	KDSAE: Chronic kidney disease classification with multimedia data learning using deep stacked autoencoder network. <i>Multimedia Tools and Applications</i> , 2020, 79, 35425-35440.	2.6	57
24	Hashed Needham Schroeder Industrial IoT based Cost Optimized Deep Secured data transmission in cloud. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 150, 107077.	2.5	56
25	A novel deep learning-based multi-model ensemble method for the prediction of neuromuscular disorders. <i>Neural Computing and Applications</i> , 2020, 32, 11083-11095.	3.2	53
26	IoT-Based Context-Aware Intelligent Public Transport System in a Metropolitan Area. <i>IEEE Internet of Things Journal</i> , 2020, 7, 6023-6034.	5.5	52
27	APD-JFAD: Accurate Prevention and Detection of Jelly Fish Attack in MANET. <i>IEEE Access</i> , 2018, 6, 56954-56965.	2.6	46
28	Diagnosis of heart diseases by a secure Internet of Health Things system based on Autoencoder Deep Neural Network. <i>Computer Communications</i> , 2020, 162, 31-50.	3.1	46
29	Ranking Analysis for Online Customer Reviews of Products Using Opinion Mining with Clustering. <i>Complexity</i> , 2018, 2018, 1-9.	0.9	43
30	Evolutionary algorithms for automatic lung disease detection. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 140, 590-608.	2.5	43
31	LISA: Lightweight context-aware IoT service architecture. <i>Journal of Cleaner Production</i> , 2019, 212, 1345-1356.	4.6	41
32	Efficient artificial fish swarm based clustering approach on mobility aware energy-efficient for MANET. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019, 30, e3524.	2.6	39
33	Blockchain-assisted secure image transmission and diagnosis model on Internet of Medical Things Environment. <i>Personal and Ubiquitous Computing</i> , 2024, 28, 17-27.	1.9	32
34	An insight into crash avoidance and overtaking advice systems for Autonomous Vehicles: A review, challenges and solutions. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 104, 104406.	4.3	30
35	The Role of Big Data Predictive Analytics and Radio Frequency Identification in the Pharmaceutical Industry. <i>IEEE Access</i> , 2019, 7, 9013-9021.	2.6	29
36	Comparison of RSM, ANN and Fuzzy Logic for extraction of Oleonolic Acid from <i>Ocimum sanctum</i> . <i>Computers in Industry</i> , 2020, 117, 103200.	5.7	28

#	ARTICLE	IF	CITATIONS
37	Evolutionary Computation. , 2018, , 1-26.		28
38	Explainable framework for Glaucoma diagnosis by image processing and convolutional neural network synergy: Analysis with doctor evaluation. Future Generation Computer Systems, 2022, 129, 152-169.	4.9	26
39	Modified Grasshopper Optimization Algorithm for detection of Autism Spectrum Disorder. Physical Communication, 2020, 41, 101115.	1.2	25
40	An Integrated Hybrid CNN&RNN Model for Visual Description and Generation of Captions. Circuits, Systems, and Signal Processing, 2020, 39, 776-788.	1.2	24
41	IoT-cloud based healthcare model for COVID-19 detection: an enhanced k-Nearest Neighbour classifier based approach. Computing (Vienna/New York), 2023, 105, 849-869.	3.2	22
42	Adaptive optimal multi key based encryption for digital image security. Concurrency Computation Practice and Experience, 2020, 32, e5122.	1.4	21
43	Improving weather dependent zone specific irrigation control scheme in IoT and big data enabled self driven precision agriculture mechanism. Enterprise Information Systems, 2020, 14, 1494-1515.	3.3	21
44	Usability Feature Optimization Using MWOA. Lecture Notes in Networks and Systems, 2019, , 453-462.	0.5	21
45	Energy Efficient Management of Pipelines in Buildings Using Linear Wireless Sensor Networks. Sensors, 2018, 18, 2618.	2.1	20
46	An Efficient Context-Aware Vehicle Incidents Route Service Management for Intelligent Transport System. IEEE Systems Journal, 2022, 16, 487-498.	2.9	20
47	Hybrid Wolf-Bat Algorithm for Optimization of Connection Weights in Multi-layer Perceptron. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-20.	3.0	20
48	Artificial plant optimization algorithm to detect infected leaves using machine learning. Expert Systems, 2021, 38, e12501.	2.9	19
49	Energy&efficient cluster&based unmanned aerial vehicle networks with deep learning&based scene classification model. International Journal of Communication Systems, 2021, 34, e4786.	1.6	19
50	The Role of Wearable Technologies in Supply Chain Collaboration: A Case of Pharmaceutical Industry. IEEE Access, 2019, 7, 49014-49026.	2.6	17
51	The health of things for classification of protein structure using improved grey wolf optimization. Journal of Supercomputing, 2020, 76, 1226-1241.	2.4	17
52	A comprehensive review on IoT&based infrastructure for smart grid applications. IET Renewable Power Generation, 2021, 15, 3761-3776.	1.7	17
53	A mutual exclusion algorithm for flying Ad Hoc networks. Computers and Electrical Engineering, 2019, 76, 82-93.	3.0	15
54	Multi-level framework for anomaly detection in social networking. Library Hi Tech, 2020, 38, 350-366.	3.7	15

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55	Prediction of COVID-19 active cases using exponential and non-linear growth models. Expert Systems, 2022, 39, e12648.	2.9	15
56	Deep Transfer Learning-Based Breast Cancer Detection and Classification Model Using Photoacoustic Multimodal Images. BioMed Research International, 2022, 2022, 1-13.	0.9	15
57	Local Mutual Exclusion algorithm using fuzzy logic for Flying Ad hoc Networks. Computer Communications, 2020, 156, 101-111.	3.1	13
58	Bat-inspired algorithm for feature selection and white blood cell classification. , 2020, , 179-197.		13
59	Edge Computing AI-IoT Integrated Energy-efficient Intelligent Transportation System for Smart Cities. ACM Transactions on Internet Technology, 2022, 22, 1-18.	3.0	13
60	An IoT-based Automated Shower System for Smart Homes. , 2018, , .		12
61	Supported matrix factorization using distributed representations for personalised recommendations on twitter. Computers and Electrical Engineering, 2018, 71, 569-577.	3.0	12
62	An experimental approach to evaluate machine learning models for the estimation of load distribution on suspension bridge using FBG sensors and IoT. Computational Intelligence, 2022, 38, 747-769.	2.1	11
63	Privacy and Security Management in Intelligent Transportation System. IEEE Access, 2020, 8, 148677-148688.	2.6	11
64	A Novel Emergent Intelligence Technique for Public Transport Vehicle Allocation Problem in a Dynamic Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5389-5402.	4.7	11
65	Fiber Bragg grating sensors driven structural health monitoring by using multimedia-enabled iot and big data technology. Multimedia Tools and Applications, 2022, 81, 34573-34593.	2.6	11
66	A Token-Based Solution to Group Local Mutual Exclusion Problem In Mobile Ad Hoc Networks. Arabian Journal for Science and Engineering, 2016, 41, 5181-5194.	1.1	10
67	An improved fault detection crow search algorithm for wireless sensor network. International Journal of Communication Systems, 2023, 36, e4136.	1.6	9
68	Emotion Detection Through EEG Signals Using FFT and Machine Learning Techniques. Advances in Intelligent Systems and Computing, 2020, , 543-550.	0.5	8
69	Precision local positioning mechanism in underground mining using IoT-enabled WiFi platform. International Journal of Computers and Applications, 2020, 42, 266-277.	0.8	7
70	Feature selection algorithm for usability engineering: a nature inspired approach. Complex & Intelligent Systems, 2023, 9, 3487-3497.	4.0	7
71	Ensemble Feature Selection Method Based on Recently Developed Nature-Inspired Algorithms. Advances in Intelligent Systems and Computing, 2020, , 457-470.	0.5	7
72	Identification and evaluation of the effective criteria for detection of congestion in a smart city. IET Communications, 2022, 16, 560-570.	1.5	6

#	ARTICLE	IF	CITATIONS
73	An Enhanced Crow Search Inspired Feature Selection Technique for Intrusion Detection Based Wireless Network System. <i>Wireless Personal Communications</i> , 2022, 127, 2021-2038.	1.8	5
74	Visualization and performance analysis on 5G network slicing for drones. , 2020, , .		5
75	Modified Ant Lion Optimization Algorithm for Improved Diagnosis of Thyroid Disease. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 599-610.	0.5	5
76	Proposing a Framework for Citizenâ€™s Adoption of Public-Sector Open IoT Data (OIoT) Platform in Disaster Management. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 593-601.	0.5	4
77	Diagnosis of Parkinsonâ€™s Disease Using a Neural Network Based on QPSO. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 471-482.	0.5	4
78	Detection of Parkinsonâ€™s Disease Using Machine Learning Techniques for Voice and Handwriting Features. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 631-643.	0.5	4
79	Malaria Detection on Giemsa-Stained Blood Smears Using Deep Learning and Feature Extraction. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 789-803.	0.5	4
80	Prediction of Cervical Cancer Using Chicken Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 591-604.	0.5	4
81	Investigating the Importance of Psychological and Environmental Factors for Improving Learnerâ€™s Performance Using Hidden Markov Model. <i>IEEE Access</i> , 2019, 7, 21559-21571.	2.6	3
82	A study on specific learning algorithms pertaining to classify lung cancer disease. <i>Expert Systems</i> , 2022, 39, e12797.	2.9	3
83	TS-GAN with Policy Gradient for Text Summarization. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2021, , 843-851.	0.5	3
84	Assisting Students to Understand Mathematical Graphs Using Virtual Reality Application. <i>Studies in Computational Intelligence</i> , 2020, , 49-62.	0.7	3
85	Application of Chicken Swarm Optimization in Detection of Cancer and Virtual Reality. <i>Studies in Computational Intelligence</i> , 2020, , 165-192.	0.7	3
86	Prediction of Celiac Disease Using Machine-Learning Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 663-673.	0.5	3
87	Dynamic Request Set based Mutual Exclusion Algorithm in MANETs. <i>International Journal of Wireless and Microwave Technologies</i> , 2015, 5, 1-14.	0.8	3
88	h-Group local mutual exclusion algorithm in MANETs. <i>CSI Transactions on ICT</i> , 2016, 4, 227-234.	0.7	2
89	BlockFITS: A Federated Data Augmentation Modelling for Blockchain-Based IoVT Systems. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 253-262.	0.5	2
90	A Novel Approach to Improve Website Ranking Using Digital Marketing. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 265-278.	0.5	2

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91	Detection of Garbage Disposal from a Mobile Vehicle Using Image Processing. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 699-709.	0.5	2
92	Water Quality Evaluation Using Soft Computing Method. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 1043-1052.	0.5	2
93	Secure MODIFIED AES Algorithm for Static and Mobile Networks. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 389-399.	0.5	2
94	Multi-objective quantum tunicate swarm optimization with deep learning model for intelligent dystrophinopathies diagnosis. <i>Soft Computing</i> , 2023, 27, 13077-13092.	2.1	2
95	Analyzing Mental Health Diseases in a Spanish Region Using Software Based on Graph Theory Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 701-708.	0.5	1
96	Design of robust deep learning-based object detection and classification model for autonomous driving applications. <i>Soft Computing</i> , 2022, 26, 7641-7652.	2.1	1
97	Bug Localization Using Multi-objective Approach and Information Retrieval. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 709-723.	0.5	0
98	Voice-Based Gender Identification Using qPSO Neural Network. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2021, , 879-889.	0.5	0
99	Computational intelligence paradigm for job shop scheduling and routing in an uncertain environment. <i>Cyber-Physical Systems</i> , 2022, 8, 45-66.	1.6	0
100	A Critical Review: SANET and Other Variants of Ad Hoc Networks. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 1093-1114.	0.5	0
101	Detection of Devanagari Text from Wild Images Through Image Processing Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 675-686.	0.5	0
102	Reinforcement Technique for Deploying Intelligent Delay Tolerant Network. <i>Journal of Computational and Theoretical Nanoscience</i> , 2021, 18, 1469-1475.	0.4	0
103	AI-based security protocols for IoT applications: A critical review. <i>Recent Advances in Computer Science and Communications</i> , 2022, 15, .	0.5	0