

Janmenjoy Nayak

List of Publications by Citations

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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.

105
papers

1,038
citations

17
h-index

28
g-index

114
ext. papers

1,475
ext. citations

2.6
avg, IF

5.27
L-index

#	Paper	IF	Citations
105	Role of intelligent computing in COVID-19 prognosis: A state-of-the-art review. <i>Chaos, Solitons and Fractals</i> , 2020 , 138, 109947	9.3	85
104	Industrial Internet of Things and its Applications in Industry 4.0: State of The Art. <i>Computer Communications</i> , 2021 , 166, 125-139	5.1	68
103	A Comprehensive Survey on Support Vector Machine in Data Mining Tasks: Applications & Challenges. <i>International Journal of Database Theory and Application</i> , 2015 , 8, 169-186		57
102	Fuzzy C-Means (FCM) Clustering Algorithm: A Decade Review from 2000 to 2014. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 133-149	0.5	55
101	An Improved Moth-Flame Optimization algorithm with hybrid search phase. <i>Knowledge-Based Systems</i> , 2020 , 191, 105277	7.3	43
100	A Novel PSO Based Back Propagation Learning-MLP (PSO-BP-MLP) for Classification. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 461-471	0.5	38
99	A novel nature inspired firefly algorithm with higher order neural network: Performance analysis 2016 , 19, 197-211		37
98	Neural network and fuzzy system for the tuning of Gravitational Search Algorithm parameters. <i>Expert Systems With Applications</i> , 2018 , 102, 234-244	7.8	35
97	Deep learning in electrical utility industry: A comprehensive review of a decade of research. <i>Engineering Applications of Artificial Intelligence</i> , 2020 , 96, 104000	7.2	34
96	Hybrid Clustering using Elitist Teaching Learning-Based Optimization. <i>International Journal of Rough Sets and Data Analysis</i> , 2016 , 3, 1-19	0.3	32
95	A novel Chemical Reaction Optimization based Higher order Neural Network (CRO-HONN) for nonlinear classification. <i>Ain Shams Engineering Journal</i> , 2015 , 6, 1069-1091	4.4	30
94	A self adaptive harmony search based functional link higher order ANN for non-linear data classification. <i>Neurocomputing</i> , 2016 , 179, 69-87	5.4	28
93	Intelligent system for COVID-19 prognosis: a state-of-the-art survey. <i>Applied Intelligence</i> , 2021 , 51, 1-31	4.9	26
92	Advancement from neural networks to deep learning in software effort estimation: Perspective of two decades. <i>Computer Science Review</i> , 2020 , 38, 100288	8.3	24
91	Nature Inspired Optimizations in Cloud Computing: Applications and Challenges. <i>Studies in Big Data</i> , 2018 , 1-26	0.9	22
90	Hybrid chemical reaction based metaheuristic with fuzzy c-means algorithm for optimal cluster analysis. <i>Expert Systems With Applications</i> , 2017 , 79, 282-295	7.8	18
89	Improving exploration and exploitation via a Hyperbolic Gravitational Search Algorithm. <i>Knowledge-Based Systems</i> , 2020 , 193, 105404	7.3	18

88	Intelligent food processing: Journey from artificial neural network to deep learning. <i>Computer Science Review</i> , 2020 , 38, 100297	8.3	17
87	A Novel FLANN with a Hybrid PSO and GA Based Gradient Descent Learning for Classification. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 745-754	0.4	14
86	Wavelet Transform and Deep Convolutional Neural Network-Based Smart Healthcare System for Gastrointestinal Disease Detection. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2021 , 13, 212-228	3.5	14
85	An Improved Firefly Fuzzy C-Means (FAFCM) Algorithm for Clustering Real World Data Sets. <i>Smart Innovation, Systems and Technologies</i> , 2014 , 339-348	0.5	13
84	A hybrid PSO-GA based Pi sigma neural network (PSNN) with standard back propagation gradient descent learning for classification 2014 ,		12
83	A Honey Bee Mating Optimization Based Gradient Descent Learning FLANN (HBMO-GDL-FLANN) for Classification. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 211-220	0.4	12
82	A hybrid elitist teaching learning based optimization with fuzzy c-means (ETLBO-FCM) algorithm for data clustering. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 379-393	4.4	11
81	Evolutionary Improved Swarm-Based Hybrid K-Means Algorithm for Cluster Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 343-352	0.4	11
80	Bootstrap aggregation ensemble learning-based reliable approach for software defect prediction by using characterized code feature. <i>Innovations in Systems and Software Engineering</i> ,1	1.1	10
79	Graph based feature selection investigating boundary region of rough set for language identification. <i>Expert Systems With Applications</i> , 2020 , 158, 113575	7.8	9
78	. <i>IEEE Access</i> , 2019 , 7, 101269-101282	3.5	9
77	A higher order evolutionary Jordan Pi-Sigma Neural Network with gradient descent learning for classification 2014 ,		9
76	CatBoost Ensemble Approach for Diabetes Risk Prediction at Early Stages 2021 ,		9
75	Deep neural network based anomaly detection in Internet of Things network traffic tracking for the applications of future smart cities. <i>Transactions on Emerging Telecommunications Technologies</i> , 2021 , 32, e4121	1.9	9
74	A Harmony Search Based Gradient Descent Learning-FLANN (HS-GDL-FLANN) for Classification. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 525-539	0.5	8
73	Elitist teaching learning-based optimization (ETLBO) with higher-order Jordan Pi-sigma neural network: a comparative performance analysis. <i>Neural Computing and Applications</i> , 2018 , 30, 1445-1468	4.8	8
72	A Global-best Harmony Search based Gradient Descent Learning FLANN (GbHS-GDL-FLANN) for data classification. <i>Egyptian Informatics Journal</i> , 2016 , 17, 57-87	3.1	8
71	Firefly Algorithm in Biomedical and Health Care: Advances, Issues and Challenges. <i>SN Computer Science</i> , 2020 , 1, 311	2	8

70	Hyper-parameter tuned light gradient boosting machine using memetic firefly algorithm for hand gesture recognition. <i>Applied Soft Computing Journal</i> , 2021 , 107478	7.5	8
69	An efficient FLANN model with CRO-based gradient descent learning for classification. <i>International Journal of Business Information Systems</i> , 2016 , 21, 73	0.6	7
68	An Improved Swarm Based Hybrid K-Means Clustering for Optimal Cluster Centers. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 545-553	0.4	7
67	Exact greedy algorithm based split finding approach for intrusion detection in fog-enabled IoT environment. <i>Journal of Information Security and Applications</i> , 2021 , 60, 102866	3.5	7
66	Solving nonlinear classification problems with black hole optimisation and higher order Jordan Pi-sigma neural network: a novel approach. <i>International Journal of Computational Systems Engineering</i> , 2016 , 2, 236	0.2	6
65	A Survey on Teaching-Learning-Based Optimization Algorithm: Short Journey from 2011 to 2017. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 739-758	0.4	6
64	Competitive Deep Learning Methods for COVID-19 Detection using X-ray Images. <i>Journal of the Institution of Engineers (India): Series B</i> ,1	0.9	6
63	Feature selection generating directed rough-spanning tree for crime pattern analysis. <i>Neural Computing and Applications</i> , 2020 , 32, 7623-7639	4.8	6
62	An Unsupervised Fuzzy Clustering Approach for Early Screening of COVID-19 from Radiological Images. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	6
61	Covid CT-net: A deep learning framework for COVID-19 prognosis using CT images. <i>Journal of Interdisciplinary Mathematics</i> , 2021 , 24, 327-352	1.2	6
60	A Novel Honey-Bees Mating Optimization Approach with Higher order Neural Network for Classification. <i>Journal of Classification</i> , 2018 , 35, 511-548	1.2	6
59	Optimizing a Higher Order Neural Network Through Teaching Learning Based Optimization Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 57-71	0.4	5
58	Particle Swarm Optimization Based Higher Order Neural Network for Classification. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 401-414	0.5	5
57	Character Recognition Using Firefly Based Back Propagation Neural Network. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 151-164	0.5	5
56	A Comprehensive Review and Performance Analysis of Firefly Algorithm for Artificial Neural Networks. <i>Studies in Computational Intelligence</i> , 2020 , 137-159	0.8	5
55	Deep belief network-based probabilistic generative model for detection of robotic manipulator failure execution. <i>Soft Computing</i> ,1	3.5	5
54	Fusion of intelligent learning for COVID-19: A state-of-the-art review and analysis on real medical data. <i>Neurocomputing</i> , 2021 , 457, 40-66	5.4	5
53	Model based IoT security framework using multiclass adaptive boosting with SMOTE. <i>Security and Privacy</i> , 2020 , 3, e112	1.8	4

52	A TLBO based gradient descent learning-functional link higher order ANN: An efficient model for learning from non-linear data. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2018 , 30, 120-139	2.5	4
51	GA Based Polynomial Neural Network for Data Classification 2014 ,		4
50	A Hybrid Model of FLANN and Firefly Algorithm for Classification. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2016 , 491-522	0.4	4
49	Bird Mating Optimization Based Multilayer Perceptron for Diseases Classification. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 305-315	0.5	4
48	Deep Recurrent Neural Network (Deep-RNN) for Classification of Nonlinear Data. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 207-215	0.4	4
47	Significance of deep learning for Covid-19: state-of-the-art review. <i>Research on Biomedical Engineering</i> ,1	1.2	4
46	Follower Link Prediction Using the XGBoost Classification Model with Multiple Graph Features. <i>Wireless Personal Communications</i> ,1	1.9	4
45	Group incremental adaptive clustering based on neural network and rough set theory for crime report categorization. <i>Neurocomputing</i> , 2019 , 459, 465-465	5.4	4
44	A framework for crime data analysis using relationship among named entities. <i>Neural Computing and Applications</i> , 2020 , 32, 7671-7689	4.8	4
43	An Efficient PSO-GA Based Back Propagation Learning-MLP (PSO-GA-BP-MLP) for Classification. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 517-527	0.5	3
42	Chemical Reaction Optimization: A Survey with Application and Challenges. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 507-524	0.4	3
41	Applications and Advancements of Firefly Algorithm in Classification: An Analytical Perspective. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 1011-1028	0.4	3
40	License plate recognition using neural architecture search for edge devices. <i>International Journal of Intelligent Systems</i> ,	8.4	3
39	Fuzzy and Real-Coded Chemical Reaction Optimization for Intrusion Detection in Industrial Big Data Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 4298-4307	11.9	3
38	Multi-class Skin Disease Classification Using Transfer Learning Model. <i>International Journal on Artificial Intelligence Tools</i> , 2022 , 31,	0.9	3
37	Directive clustering contrast-based multi-modality medical image fusion for smart healthcare system. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2022 , 11, 1	1.6	3
36	Cluster Analysis Using Firefly-Based K-means Algorithm: A Combined Approach. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 55-64	0.4	2
35	Perturbation Based Efficient Crow Search Optimized FLANN for System Identification: A Novel Approach. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 204-212	0.4	2

34	An Improved PSO Based Back Propagation Learning-MLP (IPSO-BP-MLP) for Classification. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 333-344	0.5	2
33	A FLANN Based Non-linear System Identification for Classification and Parameter Optimization Using Tournament Selective Harmony Search. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 267-283	0.4	2
32	Fuzzy Clustering with Improved Swarm Optimization and Genetic Algorithm: Hybrid Approach. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 237-247	0.4	2
31	Novel Approach: Deduplication for Backup Systems Using Data Block Size. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 365-373	0.5	2
30	Ensemble summarization of bio-medical articles integrating clustering and multi-objective evolutionary algorithms. <i>Applied Soft Computing Journal</i> , 2021 , 106, 107347	7.5	2
29	An Automated Lightweight Deep Neural Network for Diagnosis of COVID-19 from Chest X-ray Images. <i>Arabian Journal for Science and Engineering</i> , 2021 , 1-18	2.5	2
28	Multiplicative Holts Winter Model for Trend Analysis and Forecasting of COVID-19 Spread in India. <i>SN Computer Science</i> , 2021 , 2, 416	2	2
27	Extreme learning machine and bayesian optimization-driven intelligent framework for IoMT cyber-attack detection.. <i>Journal of Supercomputing</i> , 2022 , 1-26	2.5	2
26	Kidney-Inspired Algorithm and Fuzzy Clustering for Biomedical Data Analysis 2019 , 269-281		1
25	Crow Search Optimization-Based Hybrid Meta-heuristic for Classification: A Novel Approach. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 775-783	0.4	1
24	Soft Computing-Based Intrusion Detection Approaches: An Analytical Study. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 635-651	0.4	1
23	Multistage classification of oral histopathological images using improved residual network.. <i>Mathematical Biosciences and Engineering</i> , 2022 , 19, 1909-1925	2.1	1
22	A power quality detection and classification algorithm based on FDST and hyper-parameter tuned light-GBM using memetic firefly algorithm. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 187, 110260	4.6	1
21	Machine Learning and Big Data in Cyber-Physical System: Methods, Applications and Challenges 2021 , 49-91		1
20	Optimal Fuzzy Cluster Partitioning by Crow Search Meta-Heuristic for Biomedical Data Analysis. <i>International Journal of Applied Metaheuristic Computing</i> , 2021 , 12, 49-66	0.8	1
19	Generation of overlapping clusters constructing suitable graph for crime report analysis. <i>Future Generation Computer Systems</i> , 2021 , 118, 339-357	7.5	1
18	Key moment extraction for designing an agglomerative clustering algorithm-based video summarization framework. <i>Neural Computing and Applications</i> , 1	4.8	1
17	DTCDWT-SMOTE-XGBoost-Based Islanding Detection for Distributed Generation Systems: An Approach of Class-Imbalanced Issue. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	1

16	A pragmatic ensemble learning approach for effective software effort estimation. <i>Innovations in Systems and Software Engineering</i> ,1	1.1	1
15	SEM: Stacking Ensemble Meta-Learning for IOT Security Framework. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 3531-3548	2.5	1
14	Modified pixel level snake using bottom hat transformation for evolution of retinal vasculature map. <i>Mathematical Biosciences and Engineering</i> , 2021 , 18, 5737-5757	2.1	1
13	Evolutionary Algorithm based Ensemble Extractive Summarization for Developing Smart Medical System. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2021 , 13, 229-259	3.5	1
12	Non-Linear Classification using Higher Order Pi-Sigma Neural Network and Improved Particle Swarm Optimization: An Experimental Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 507-518	0.4	0
11	Deep DenseNet and ResNet Approach for COVID-19 Prognosis: Experiments on Real CT Images. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 731-747	0.4	0
10	Improving Facial Emotion Recognition Using Residual Autoencoder Coupled Affinity Based Overlapping Reduction. <i>Mathematics</i> , 2022 , 10, 406	2.3	0
9	Central hubs prediction for Bio Networks by Directed Hypergraph - GA with validation to COVID-19 PPI.. <i>Pattern Recognition Letters</i> , 2021 , 153, 246-246	4.7	0
8	Socio-economic factor analysis for sustainable and smart precision agriculture: An ensemble learning approach. <i>Computer Communications</i> , 2022 , 182, 72-87	5.1	0
7	Probabilistic Neural Network-based Model for Identification of Parkinson's Disease by using Voice Profile and Personal Data. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 3383-3407	2.5	0
6	Pi-Sigma Neural Network: Survey of a Decade Progress. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 429-441	0.4	
5	Correlation-based modified long short-term memory network approach for software defect prediction. <i>Evolving Systems</i> ,1	2.1	
4	Applications and Advancements of Nature-Inspired Optimization Algorithms in Data Clustering: A Detailed Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 731-750	0.4	
3	Higher order ANN parameter optimization using hybrid opposition-elitism based metaheuristic. <i>Evolutionary Intelligence</i> ,1	1.7	
2	FLANN + BHO. <i>International Journal of Rough Sets and Data Analysis</i> , 2018 , 5, 13-33	0.3	
1	QCM Sensor-Based Alcohol Classification Using Ensembled Stacking Model. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 651-666	0.5	