

Damodar Edla

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,155
citations

236833

25
h-index

276775

41
g-index

102
all docs

102
docs citations

102
times ranked

1850
citing authors

#	ARTICLE	IF	CITATIONS
1	The present and future of deep learning in radiology. <i>European Journal of Radiology</i> , 2019, 114, 14-24.	1.2	229
2	Symtosis: A liver ultrasound tissue characterization and risk stratification in optimized deep learning paradigm. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 155, 165-177.	2.6	136
3	Extreme Learning Machine Framework for Risk Stratification of Fatty Liver Disease Using Ultrasound Tissue Characterization. <i>Journal of Medical Systems</i> , 2017, 41, 152.	2.2	95
4	Type 2 diabetes data classification using stacked autoencoders in deep neural networks. <i>Clinical Epidemiology and Global Health</i> , 2019, 7, 530-535.	0.9	90
5	Energy efficient load balancing approach for avoiding energy hole problem in WSN using Grey Wolf Optimizer with novel fitness function. <i>Applied Soft Computing Journal</i> , 2019, 84, 105706.	4.1	73
6	Classification of EEG data for human mental state analysis using Random Forest Classifier. <i>Procedia Computer Science</i> , 2018, 132, 1523-1532.	1.2	72
7	Deep learning strategy for accurate carotid intima-media thickness measurement: An ultrasound study on Japanese diabetic cohort. <i>Computers in Biology and Medicine</i> , 2018, 98, 100-117.	3.9	68
8	Classification of EEG Data using k-Nearest Neighbor approach for Concealed Information Test. <i>Procedia Computer Science</i> , 2018, 143, 242-249.	1.2	66
9	Deep learning fully convolution network for lumen characterization in diabetic patients using carotid ultrasound: a tool for stroke risk. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 543-564.	1.6	54
10	SM-RuleMiner: Spider monkey based rule miner using novel fitness function for diabetes classification. <i>Computers in Biology and Medicine</i> , 2017, 81, 79-92.	3.9	50
11	Hybrid credit scoring model using neighborhood rough set and multi-layer ensemble classification. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 34, 1543-1549.	0.8	48
12	RST-BatMiner: A fuzzy rule miner integrating rough set feature selection and Bat optimization for detection of diabetes disease. <i>Applied Soft Computing Journal</i> , 2018, 67, 764-780.	4.1	48
13	A novel hybrid credit scoring model based on ensemble feature selection and multilayer ensemble classification. <i>Computational Intelligence</i> , 2019, 35, 371-394.	2.1	47
14	An Efficient Load Balancing of Gateways Using Improved Shuffled Frog Leaping Algorithm and Novel Fitness Function for WSNs. <i>IEEE Sensors Journal</i> , 2017, 17, 6724-6733.	2.4	43
15	A PSO Based Routing with Novel Fitness Function for Improving Lifetime of WSNs. <i>Wireless Personal Communications</i> , 2019, 104, 73-89.	1.8	39
16	Evolutionary Extreme Learning Machine with novel activation function for credit scoring. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 96, 103980.	4.3	37
17	An Efficient Multi-layer Ensemble Framework with BPSOGSA-Based Feature Selection for Credit Scoring Data Analysis. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 6909-6928.	1.7	35
18	Credit Scoring Model based on Weighted Voting and Cluster based Feature Selection. <i>Procedia Computer Science</i> , 2018, 132, 22-31.	1.2	34

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19	A Prototype-Based Modified DBSCAN for Gene Clustering. <i>Procedia Technology</i> , 2012, 6, 485-492.	1.1	33
20	Lung Nodule Classification on Computed Tomography Images Using Deep Learning. <i>Wireless Personal Communications</i> , 2021, 116, 655-690.	1.8	32
21	Brain computer interface: A comprehensive survey. <i>Biologically Inspired Cognitive Architectures</i> , 2018, 26, 118-129.	0.9	31
22	An efficient EEG based deceit identification test using wavelet packet transform and linear discriminant analysis. <i>Journal of Neuroscience Methods</i> , 2019, 314, 31-40.	1.3	31
23	Diabetes Classification using Radial Basis Function Network by Combining Cluster Validity Index and BAT Optimization with Novel Fitness Function. <i>International Journal of Computational Intelligence Systems</i> , 2017, 10, 247.	1.6	31
24	P-FHM+: Parallel high utility itemset mining algorithm for big data processing. <i>Procedia Computer Science</i> , 2018, 132, 918-927.	1.2	26
25	Classification of Facial Expressions from EEG signals using Wavelet Packet Transform and SVM for Wheelchair Control Operations. <i>Procedia Computer Science</i> , 2018, 132, 1467-1476.	1.2	25
26	SCE-PSO based clustering approach for load balancing of gateways in wireless sensor networks. <i>Wireless Networks</i> , 2019, 25, 1067-1081.	2.0	25
27	M-Curves path planning model for mobile anchor node and localization of sensor nodes using Dolphin Swarm Algorithm. <i>Wireless Networks</i> , 2020, 26, 2769-2783.	2.0	24
28	Efficient feature selection using one-pass generalized classifier neural network and binary bat algorithm with a novel fitness function. <i>Soft Computing</i> , 2020, 24, 4575-4587.	2.1	23
29	Credit score classification using spiking extreme learning machine. <i>Computational Intelligence</i> , 2020, 36, 402-426.	2.1	23
30	EEG Data Classification for Mental State Analysis Using Wavelet Packet Transform and Gaussian Process Classifier. <i>Wireless Personal Communications</i> , 2020, 115, 2149-2169.	1.8	23
31	LSTM based prediction of malaria abundances using big data. <i>Computers in Biology and Medicine</i> , 2020, 124, 103859.	3.9	23
32	Diabetes-Finder: A Bat Optimized Classification System for Type-2 Diabetes. <i>Procedia Computer Science</i> , 2017, 115, 235-242.	1.2	20
33	Shuffled Complex Evolution Approach for Load Balancing of Gateways in Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2018, 98, 3455-3476.	1.8	20
34	Parameter-free fuzzy histogram equalisation with illumination preserving characteristics dedicated for contrast enhancement of magnetic resonance images. <i>Applied Soft Computing Journal</i> , 2020, 93, 106364.	4.1	19
35	New Algebraic Activation Function for Multi-Layered Feed Forward Neural Networks. <i>IETE Journal of Research</i> , 2017, 63, 71-79.	1.8	18
36	Analysis of controversies in the formulation and evaluation of restoration algorithms for MR Images. <i>Expert Systems With Applications</i> , 2019, 135, 39-59.	4.4	18

#	ARTICLE	IF	CITATIONS
37	Brain-Computer Interface for wheelchair control operations: An approach based on Fast Fourier Transform and On-Line Sequential Extreme Learning Machine. <i>Clinical Epidemiology and Global Health</i> , 2019, 7, 274-278.	0.9	18
38	An efficient Concealed Information Test: EEG feature extraction and ensemble classification for lie identification. <i>Machine Vision and Applications</i> , 2019, 30, 813-832.	1.7	17
39	An Efficient Localization Approach in Wireless Sensor Networks Using Krill Herd Optimization Algorithm. <i>IEEE Systems Journal</i> , 2021, 15, 2432-2442.	2.9	17
40	Lung Nodule Classification on Computed Tomography Images Using Fractalnet. <i>Wireless Personal Communications</i> , 2021, 119, 1209.	1.8	17
41	Fuzzy Rule Generation Using Modified PSO for Clustering in Wireless Sensor Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2021, 5, 846-857.	3.5	17
42	A Synergistic Concealed Information Test With Novel Approach for EEG Channel Selection and SVM Parameter Optimization. <i>IEEE Transactions on Information Forensics and Security</i> , 2019, 14, 3057-3068.	4.5	15
43	Cancer data classification using binary bat optimization and extreme learning machine with a novel fitness function. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 2673-2682.	1.6	14
44	A Mechanics-Based Similarity Measure for Text Classification in Machine Learning Paradigm. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020, 4, 180-200.	3.4	14
45	Lie detection using extreme learning machine: A concealed information test based on short-time Fourier transform and binary bat optimization using a novel fitness function. <i>Computational Intelligence</i> , 2020, 36, 637-658.	2.1	14
46	Binary BAT algorithm and RBFN based hybrid credit scoring model. <i>Multimedia Tools and Applications</i> , 2020, 79, 31889-31912.	2.6	14
47	Intelligent-ANFIS Model for Predicting Measurement of Surface Roughness and Geometric Tolerances in Three-Axis CNC Milling. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 7683-7694.	2.4	14
48	Secure Data Storage in Cloud: An e-Stream Cipher-Based Secure and Dynamic Updation Policy. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 873-883.	1.7	12
49	Spark and Rule-KNN based scalable machine learning framework for EEG deceit identification. <i>Biomedical Signal Processing and Control</i> , 2020, 58, 101886.	3.5	12
50	A multi stage EEG data classification using k-means and feed forward neural network. <i>Clinical Epidemiology and Global Health</i> , 2020, 8, 718-724.	0.9	12
51	Dynamic large branching hash tree based secure and efficient dynamic auditing protocol for cloud environment. <i>Cluster Computing</i> , 2021, 24, 1361-1379.	3.5	12
52	Experimental analysis of machine learning methods for credit score classification. <i>Progress in Artificial Intelligence</i> , 2021, 10, 217-243.	1.5	12
53	Energy efficient fuzzy clustering and routing using BAT algorithm. <i>Wireless Networks</i> , 2021, 27, 2813-2828.	2.0	12
54	EIQ: EEG based IQ test using wavelet packet transform and hierarchical extreme learning machine. <i>Journal of Neuroscience Methods</i> , 2019, 322, 71-82.	1.3	11

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55	A no-reference metric to assess quality of denoising for Magnetic Resonance images. Biomedical Signal Processing and Control, 2021, 70, 102962.	3.5	10
56	Novel Fitness Function for SCE Algorithm Based Energy Efficiency in WSN. , 2018, , .		9
57	Texture Image Classification Using Deep Neural Network and Binary Dragon Fly Optimization with a Novel Fitness Function. Wireless Personal Communications, 2019, 108, 1513-1528.	1.8	9
58	Fuzzy rule-based system for energy efficiency in wireless sensor networks. Journal of Supercomputing, 2021, 77, 9947-9970.	2.4	9
59	A Location-less Energy Efficient Algorithm for Load Balanced Clustering in Wireless Sensor Networks. Wireless Personal Communications, 2022, 122, 1967-1985.	1.8	9
60	Subject based Deceit Identification using Empirical Mode Decomposition. Procedia Computer Science, 2018, 132, 32-39.	1.2	7
61	Cluster Head Selection and Cluster Construction using Fuzzy Logic in WSNs. , 2019, , .		7
62	Adaptive shrinkage on dual-tree complex wavelet transform for denoising real-time MR images. Biocybernetics and Biomedical Engineering, 2019, 39, 133-147.	3.3	7
63	A Hybrid Approach for Extracting EMG signals by Filtering EEG Data for IoT Applications for Immobile Persons. Wireless Personal Communications, 2020, 114, 3081-3101.	1.8	7
64	Energy Efficient Routing Structure to Avoid Energy Hole Problem in Multi-Layer Network Model. Wireless Personal Communications, 2020, 112, 2575-2596.	1.8	7
65	BB-tree based secure and dynamic public auditing convergence for cloud storage. Journal of Supercomputing, 2021, 77, 4917-4956.	2.4	7
66	Prediction of Malignancy in Lung Nodules Using Combination of Deep, Fractal, and Gray-Level Co-Occurrence Matrix Features. Big Data, 2021, 9, 480-498.	2.1	7
67	GWO-GA Based Load Balanced and Energy Efficient Clustering Approach for WSN. Smart Innovation, Systems and Technologies, 2020, , 287-295.	0.5	7
68	A Novel Web Fraud Detection Technique using Association Rule Mining. Procedia Computer Science, 2017, 115, 274-281.	1.2	6
69	Firework inspired load balancing approach for wireless sensor networks. Wireless Networks, 2021, 27, 4111-4122.	2.0	6
70	Lie Detection Using Fuzzy Ensemble Approach With Novel Defuzzification Method for Classification of EEG Signals. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	6
71	DS-Chain: A secure and auditable multi-cloud assisted EHR storage model on efficient deletable blockchain. Journal of Industrial Information Integration, 2022, 26, 100315.	4.3	6
72	Automatic disease diagnosis using optimised weightless neural networks for low-power wearable devices. Healthcare Technology Letters, 2017, 4, 122-128.	1.9	5

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73	An Efficient Deep Learning Paradigm for Deceit Identification Test on EEG Signals. ACM Transactions on Management Information Systems, 2021, 12, 1-20.	2.1	5
74	A Fuzzy Sharpness Metric for Magnetic Resonance Images. Journal of Computational Science, 2018, 29, 1-8.	1.5	4
75	Selector: PSO as Model Selector for Dual-Stage Diabetes Network. Journal of Intelligent Systems, 2019, 29, 475-484.	1.2	4
76	A new hybrid stability measure for feature selection. Applied Intelligence, 2020, 50, 3471-3486.	3.3	4
77	An inverse mathematical technique for improving the sharpness of magnetic resonance images. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 2061-2075.	3.3	4
78	Blockchain assisted privacy-preserving public auditable model for cloud environment with efficient user revocation. Cluster Computing, 2022, 25, 3103-3127.	3.5	4
79	GVFF-RLS Adaptive Algorithm for Elimination of Ocular Artifacts from EEG Signals. , 2019, , .		3
80	Mixed step size normalized least mean fourth adaptive algorithm for artifact elimination from raw EEG signals. Biomedical Signal Processing and Control, 2021, 65, 102392.	3.5	3
81	A Noise-robust and Overshoot-free Alternative to Unsharp Masking for Enhancing the Acuity of MR Images. Journal of Digital Imaging, 2022, 35, 1041-1060.	1.6	3
82	Bin-BB: Binning with Branch & Bound feature selection for improved diabetes classification. , 2017, , .		2
83	Dynamic Cluster Formation Mechanism in Wireless Sensor Networks Using Fuzzy Logic. , 2019, , .		2
84	Multilevel Automated Security System for Prevention of Accidents at Unmanned Railway Level Crossings. Wireless Personal Communications, 2020, 111, 1707-1721.	1.8	2
85	Energy-Efficient Load Balancing Strategy for Wireless Sensor Networks using Quasi-oppositional based Jaya Optimization. Wireless Personal Communications, 2021, 118, 2319-2343.	1.8	2
86	Epileptic seizure endorsement technique using DWT power spectrum. Journal of Supercomputing, 2022, 78, 8604-8624.	2.4	2
87	An objective measure for assessing the quality of contrast enhancement on magnetic resonance images. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 9732-9744.	2.7	2
88	A novel green stable evolutionary routing algorithm for energy efficiency in WSNS. , 2017, , .		1
89	ALDL: a novel method for label distribution learning. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	0.8	1
90	Lung nodule classification using combination of CNN, second and higher order texture features. Journal of Intelligent and Fuzzy Systems, 2021, 41, 5243-5251.	0.8	1

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91	Shuffled Particle Swarm Optimization for Energy Efficiency Using Novel Fitness Function in WSN. Lecture Notes in Computer Science, 2019, , 347-355.	1.0	1
92	Binary Binomial Tree Based Secure and Efficient Electronic Healthcare Record Storage in Cloud Environment. Communications in Computer and Information Science, 2020, , 173-186.	0.4	1
93	Automated MRI restoration via recursive diffusion. European Physical Journal Plus, 2022, 137, 1.	1.2	1
94	A customized acutance metric for quality control applications in MRI. Medical and Biological Engineering and Computing, 2022, 60, 1511-1525.	1.6	1
95	Prediction of Malignant Lung Nodules in CT Scan Images Using CNN and Feature Selection Algorithms. , 2022, , .		1
96	Intelli-DRM: An intelligent computational model for forecasting severity of diabetes mellitus. , 2017, , .		0
97	Performance Evaluation of Nonlinear Spatial Filters on MR Images. , 2018, , .		0
98	MapReduce based integration of health hubs: a healthcare design approach. Health and Technology, 2019, 9, 737-750.	2.1	0
99	Survey on Monitoring and Quality Controlling of the Mobile Biosignal Delivery. Interdisciplinary Sciences, Computational Life Sciences, 2019, 11, 307-319.	2.2	0
100	Elimination of EOG signals from raw EEG signals using step size based recursive least squares- least mean fourth adaptive algorithm. Applied Acoustics, 2021, 180, 108097.	1.7	0