

Sankhadeep Chatterjee

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

1,503
citations

516215

16
h-index

454577

30
g-index

79
all docs

79
docs citations

79
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle swarm optimization trained neural network for structural failure prediction of multistoried RC buildings. <i>Neural Computing and Applications</i> , 2017, 28, 2005-2016.	3.2	232
2	Modified cuckoo search algorithm in microscopic image segmentation of hippocampus. <i>Microscopy Research and Technique</i> , 2017, 80, 1051-1072.	1.2	98
3	Indian Sign Language Recognition Using Optimized Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 553-563.	0.5	64
4	Neural-based prediction of structural failure of multistoried RC buildings. <i>Structural Engineering and Mechanics</i> , 2016, 58, 459-473.	1.0	52
5	An Integrated Interactive Technique for Image Segmentation using Stack based Seeded Region Growing and Thresholding. <i>International Journal of Electrical and Computer Engineering</i> , 2016, 6, 2773.	0.5	51
6	Intelligent Computing in Medical Imaging. <i>Advances in Data Mining and Database Management Book Series</i> , 2018, , 143-163.	0.4	41
7	Forest Type Classification: A Hybrid NN-GA Model Based Approach. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 227-236.	0.5	39
8	Detection of skin disease using metaheuristic supported artificial neural networks. , 2017, , .		37
9	Image based skin disease detection using hybrid neural network coupled bag-of-features. , 2017, , .		34
10	Clinical application of modified bag-of-features coupled with hybrid neural-based classifier in dengue fever classification using gene expression data. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 709-720.	1.6	33
11	Application of cuckoo search in water quality prediction using artificial neural network. <i>International Journal of Computational Intelligence Studies</i> , 2017, 6, 229.	0.3	32
12	Biomedical image enhancement based on modified Cuckoo Search and morphology. , 2017, , .		30
13	Hybrid modified Cuckoo Search-Neural Network in chronic kidney disease classification. , 2017, , .		29
14	Cuckoo search coupled artificial neural network in detection of chronic kidney disease. , 2017, , .		29
15	Dengue Fever Classification Using Gene Expression Data: A PSO Based Artificial Neural Network Approach. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 331-341.	0.5	28
16	A Study on the Applications of the Biomedical Image Encryption Methods for Secured Computer Aided Diagnostics. , 2019, , .		27
17	Gradient approximation in retinal blood vessel segmentation. , 2017, , .		25
18	Rainfall prediction using hybrid neural network approach. , 2018, , .		25

#	ARTICLE	IF	CITATIONS
19	A quality prediction method for weight lifting activity. , 2015, , .		23
20	Water quality prediction: Multi objective genetic algorithm coupled artificial neural network based approach. , 2017, , .		23
21	Imbalanced Twitter Sentiment Analysis using Minority Oversampling. , 2019, , .		23
22	Analysis of Different Feature Description Algorithm in object Recognition. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 66-99.	0.1	23
23	Cellular image processing using morphological analysis. , 2017, , .		22
24	Synthetic minority oversampling in addressing imbalanced sarcasm detection in social media. Multimedia Tools and Applications, 2020, 79, 35995-36031.	2.6	22
25	Contrast Optimization using Elitist Metaheuristic Optimization and Gradient Approximation for Biomedical Image Enhancement. , 2019, , .		21
26	Soil moisture quantity prediction using optimized neural supported model for sustainable agricultural applications. Sustainable Computing: Informatics and Systems, 2020, 28, 100279.	1.6	21
27	Penalized Fuzzy C-Means Enabled Hybrid Region Growing in Segmenting Medical Images. Studies in Computational Intelligence, 2020, , 41-65.	0.7	20
28	Dermatological effect of UV rays owing to ozone layer depletion. , 2017, , .		19
29	Automated Breast Cancer Identification by analyzing Histology Slides using Metaheuristic Supported Supervised Classification coupled with Bag-of-Features. , 2018, , .		19
30	HMSIW-Based Miniaturized Sensing Antennas for S- and C-Band Applications. , 2017, 1, 1-5.		18
31	Bio-medical image enhancement using hybrid metaheuristic coupled soft computing tools. , 2017, , .		18
32	An integrated method for automated biomedical image segmentation. , 2017, , .		18
33	A Dual Layer Image Encryption using Polymerase Chain Reaction Amplification and DNA Encryption. , 2019, , .		18
34	Data Security Techniques Based on DNA Encryption. Advances in Intelligent Systems and Computing, 2020, , 239-249.	0.5	18
35	Optimal usage of pessimistic association rules in cost effective decision making. , 2017, , .		17
36	Analysis of rheological properties of MWCNT/SiO ₂ hydraulic oil nanolubricants using regression and artificial neural network. International Communications in Heat and Mass Transfer, 2020, 116, 104723.	2.9	17

#	ARTICLE	IF	CITATIONS
37	An Unsupervised Fuzzy Clustering Approach for Early Screening of COVID-19 From Radiological Images. IEEE Transactions on Fuzzy Systems, 2022, 30, 2902-2914.	6.5	17
38	Non-dominated sorting genetic algorithm "II supported neural network in classifying forest types. , 2017, , .		15
39	Bag-of-features based classification of dermoscopic images. , 2017, , .		15
40	Detection of Chronic Kidney Disease: A NN-GA-Based Approach. Advances in Intelligent Systems and Computing, 2018, , 109-115.	0.5	14
41	A robust image encryption framework based on DNA computing and chaotic environment. Microsystem Technologies, 2021, 27, 3617-3627.	1.2	14
42	Biomedical Image Security Using Matrix Manipulation and DNA Encryption. Advances in Intelligent Systems and Computing, 2020, , 49-60.	0.5	14
43	Hybrid Non-Dominated Sorting Genetic Algorithm. Advances in Data Mining and Database Management Book Series, 2018, , 264-286.	0.4	14
44	Hepatocellular Carcinoma Survival Prediction Using Deep Neural Network. Advances in Intelligent Systems and Computing, 2019, , 349-358.	0.5	13
45	A Vulnerability Analysis Mechanism Utilizing Avalanche Attack Model for Dependency-Based Systems. , 2016, , 243-262.		12
46	HYBRID NEURAL NETWORK BASED RAINFALL PREDICTION SUPPORTED BY FLOWER POLLINATION ALGORITHM. Neural Network World, 2018, 28, 497-510.	0.5	9
47	Electrical Energy Output Prediction Using Cuckoo Search Based Artificial Neural Network. Lecture Notes in Networks and Systems, 2018, , 277-285.	0.5	7
48	A Comparative Study On The Performance CharacteristicsOf Sudoku Solving Algorithms. IOSR Journal of Computer Engineering, 2014, 16, 69-77.	0.1	7
49	Efficient Economic Profit Maximization: Genetic Algorithm Based Approach. Lecture Notes in Networks and Systems, 2018, , 307-318.	0.5	6
50	Non-Dominated Sorting Genetic Algorithm-II-Induced Neural-Supported Prediction of Water Quality with Stability Analysis. Journal of Information and Knowledge Management, 2018, 17, 1850016.	0.8	6
51	Improving Facial Emotion Recognition Using Residual Autoencoder Coupled Affinity Based Overlapping Reduction. Mathematics, 2022, 10, 406.	1.1	5
52	Detection of HIV-1 progression phases from transcriptional profiles in ex vivo CD4+ and CD8+ T cells using meta-heuristic supported artificial neural network. Multimedia Tools and Applications, 2022, 81, 15103-15126.	2.6	5
53	Improved Epilepsy Detection method by addressing Class Imbalance Problem. , 2018, , .		4
54	AFARTICA. Journal of Database Management, 2019, 30, 71-93.	1.0	4

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55	Thermomechanical Characteristics of Low Carbon Magnesia-Based Monolithic Refractory Containing Nanostructured Surface-Modified Graphites in Matrix. Transactions of the Indian Ceramic Society, 2017, 76, 118-127.	0.4	3
56	Performance Improvement of Convolutional Neural Network Using Random Under Sampling. Lecture Notes in Networks and Systems, 2021, , 207-217.	0.5	3
57	Effects of Class Imbalance Problem in Convolutional Neural Network Based Image Classification. Lecture Notes in Networks and Systems, 2021, , 181-191.	0.5	3
58	Image Segmentation Based on Galactic Swarm Optimization. Lecture Notes in Networks and Systems, 2021, , 251-258.	0.5	3
59	An Optimized Intelligent Dermatologic Disease Classification Framework Based on IoT. Advances in Intelligent Systems and Computing, 2020, , 131-151.	0.5	3
60	Edge Computing Based Conceptual Framework for Smart Health Care Applications Using Z-Wave and Homebased Wireless Sensor Network. , 2021, , 387-414.		3
61	Improved Twitter Sarcasm Detection by Addressing Imbalanced Class Problem. Lecture Notes in Networks and Systems, 2021, , 135-145.	0.5	2
62	Performance Improvement of Artificial Neural Networks by Addressing Class Overlapping Problem. Lecture Notes in Networks and Systems, 2021, , 229-237.	0.5	2
63	Multilabel Sentiment Prediction by Addressing Imbalanced Class Problem Using Oversampling. Lecture Notes in Networks and Systems, 2021, , 239-249.	0.5	2
64	Oversampling using Fuzzy Rough Set Theory in Imbalanced Neural based Diabetic patient Readmission Prediction: A hybrid approach. , 2021, , .		2
65	Quantitative Rainfall Prediction: Deep Neural Network-Based Approach. Advances in Intelligent Systems and Computing, 2019, , 455-463.	0.5	2
66	An Optimized Algorithm for Solving Combinatorial Problems using Reference Graph. IOSR Journal of Computer Engineering, 2014, 16, 01-07.	0.1	2
67	Application of cuckoo search in water quality prediction using artificial neural network. International Journal of Computational Intelligence Studies, 2017, 6, 229.	0.3	2
68	Forecasting COVID-19 Outbreak Through Fusion of Internet Search, Social Media, and Air Quality Data: A Retrospective Study in Indian Context. IEEE Transactions on Computational Social Systems, 2023, 10, 1017-1028.	3.2	2
69	An Image Security Method Based on Low Dimensional Chaotic Environment and DNA Encoding. Lecture Notes in Networks and Systems, 2021, , 267-277.	0.5	1
70	FOFO: Fused Oversampling Framework by addressing Outliers. , 2021, , .		1
71	Normal Pressure Hydrocephalus Detection Using Active Contour Coupled Ensemble Based Classifier. Advances in Intelligent Systems and Computing, 2020, , 543-553.	0.5	1
72	Prediction of Benzene Concentration of Air in Urban Area Using Deep Neural Network. Advances in Intelligent Systems and Computing, 2019, , 465-475.	0.5	1

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73	A Biomedical Image Segmentation Approach Using Darwinian Particle Swarm Optimization and Thresholding. Lecture Notes in Networks and Systems, 2021, , 259-266.	0.5	0
74	Intelligent Computing in Medical Imaging. , 2021, , 592-608.		0
75	An Efficient Indoor Occupancy Detection System Using Artificial Neural Network. Advances in Intelligent Systems and Computing, 2019, , 317-329.	0.5	0
76	Application of random forest in detection of Parkinson's disease. , 2022, , 125-133.		0