

Haider Banka

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,682
citations

430874

18
h-index

302126

39
g-index

66
all docs

66
docs citations

66
times ranked

1466
citing authors

#	ARTICLE	IF	CITATIONS
1	A particle swarm optimization based energy efficient cluster head selection algorithm for wireless sensor networks. <i>Wireless Networks</i> , 2017, 23, 2005-2020.	3.0	301
2	Multi-objective evolutionary biclustering of gene expression data. <i>Pattern Recognition</i> , 2006, 39, 2464-2477.	8.1	221
3	Local pattern transformation based feature extraction techniques for classification of epileptic EEG signals. <i>Biomedical Signal Processing and Control</i> , 2017, 34, 81-92.	5.7	142
4	Evolutionary Rough Feature Selection in Gene Expression Data. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2007, 37, 622-632.	2.9	125
5	A Hamming distance based binary particle swarm optimization (HDBPSO) algorithm for high dimensional feature selection, classification and validation. <i>Pattern Recognition Letters</i> , 2015, 52, 94-100.	4.2	113
6	Epileptic seizure detection in EEG signal using machine learning techniques. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018, 41, 81-94.	1.3	62
7	Novel chemical reaction optimization based unequal clustering and routing algorithms for wireless sensor networks. <i>Wireless Networks</i> , 2017, 23, 759-778.	3.0	45
8	Energy efficient clustering algorithms for wireless sensor networks: novel chemical reaction optimization approach. <i>Wireless Networks</i> , 2017, 23, 433-452.	3.0	43
9	BERA: a biogeography-based energy saving routing architecture for wireless sensor networks. <i>Soft Computing</i> , 2018, 22, 1651-1667.	3.6	43
10	CRHS: clustering and routing in wireless sensor networks using harmony search algorithm. <i>Neural Computing and Applications</i> , 2018, 30, 639-659.	5.6	39
11	A hierarchical CBIR framework using adaptive tetrolet transform and novel histograms from color and shape features. , 2018, 82, 258-281.		33
12	CRWO: Clustering and routing in wireless sensor networks using optics inspired optimization. <i>Peer-to-Peer Networking and Applications</i> , 2017, 10, 453-471.	3.9	29
13	Gene interaction “ An evolutionary biclustering approach. <i>Information Fusion</i> , 2009, 10, 242-249.	19.1	27
14	Cancer microarray data feature selection using multi-objective binary particle swarm optimization algorithm. <i>EXCLI Journal</i> , 2016, 15, 460-473.	0.7	25
15	A study of soft computing models for prediction of longitudinal wave velocity. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	23
16	Competitive swarm optimization based unequal clustering and routing algorithms (CSO-UCRA) for wireless sensor networks. <i>Multimedia Tools and Applications</i> , 2021, 80, 26093.	3.9	23
17	Efficient feature selection and classification algorithm based on PSO and rough sets. <i>Neural Computing and Applications</i> , 2019, 31, 4287-4303.	5.6	22
18	A BBO-based algorithm for slope stability analysis by locating critical failure surface. <i>Neural Computing and Applications</i> , 2019, 31, 6401-6418.	5.6	20

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19	Epileptic seizure detection in EEG signal with GModPCA and support vector machine. Bio-Medical Materials and Engineering, 2017, 28, 141-157.	0.6	19
20	Multi-level colored directional motif histograms for content-based image retrieval. Visual Computer, 2020, 36, 1847-1868.	3.5	17
21	Locating critical failure surface using meta-heuristic approaches: a comparative assessment. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	15
22	Internet of Things and data analytics: A current review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2020, 10, e1341.	6.8	15
23	Local Transformed Features for Epileptic Seizure Detection in EEG Signal. Journal of Medical and Biological Engineering, 2018, 38, 222-235.	1.8	14
24	Principal texture direction based block level image reordering and use of color edge features for application of object based image retrieval. Multimedia Tools and Applications, 2019, 78, 1685-1717.	3.9	14
25	Novel approaches to one-directional two-dimensional principal component analysis in hybrid pattern framework. Neural Computing and Applications, 2020, 32, 4897-4918.	5.6	14
26	Performance evaluation of approximated artificial neural network (AANN) algorithm for reliability improvement. Applied Soft Computing Journal, 2015, 26, 303-314.	7.2	13
27	New Hybrid PCA-Based Facial Age Estimation Using Inter-Age Group Variation-Based Hierarchical Classifier. Arabian Journal for Science and Engineering, 2017, 42, 3337-3355.	3.0	13
28	New efficient initialization and updating mechanisms in PSO for feature selection and classification. Neural Computing and Applications, 2020, 32, 3283-3294.	5.6	13
29	Fusion of region based extracted features for instance- and class-based CBIR applications. Applied Soft Computing Journal, 2021, 102, 107063.	7.2	13
30	A Rough Based Hybrid Binary PSO Algorithm for Flat Feature Selection and Classification in Gene Expression Data. Annals of Data Science, 2017, 4, 341-360.	3.2	12
31	Urdu Text Classification: A comparative study using machine learning techniques. , 2018, , .		12
32	A review and analysis of secure and lightweight ECC-based RFID authentication protocol for Internet of Vehicles. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4354.	3.9	12
33	Outlier Detection in Microarray Data Using Hybrid Evolutionary Algorithm. Procedia Technology, 2012, 6, 291-298.	1.1	10
34	IBBOMSA: An Improved Biogeography-based Approach for Multiple Sequence Alignment. Evolutionary Bioinformatics, 2016, 12, EBO.S40457.	1.2	10
35	Efficient feature selection methods using PSO with fuzzy rough set as fitness function. Soft Computing, 2022, 26, 2501-2521.	3.6	10
36	Pseudo-relevance feedback based query expansion using boosting algorithm. Artificial Intelligence Review, 2021, 54, 6101-6124.	15.7	9

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37	Analysis of slope stability and detection of critical failure surface using gravitational search algorithm. , 2018, , .		8
38	Texture and colour region separation based image retrieval using probability annular histogram and weighted similarity matching scheme. IET Image Processing, 2020, 14, 1303-1315.	2.5	8
39	Delay-aware application offloading in fog environment using multi-class Brownian model. Wireless Networks, 2021, 27, 4479-4495.	3.0	8
40	A CBIR system based on saliency driven local image features and multi orientation texture features. Journal of Visual Communication and Image Representation, 2022, 83, 103396.	2.8	8
41	A prominent object region detection based approach for CBIR application. , 2016, , .		7
42	Multi-feature-Based Facial Age Estimation Using an Incomplete Facial Aging Database. Arabian Journal for Science and Engineering, 2018, 43, 8057-8078.	3.0	7
43	Query Expansion in Information Retrieval for Urdu Language. , 2018, , .		7
44	Building a text collection for Urdu information retrieval. ETRI Journal, 2021, 43, 856-868.	2.0	6
45	Adaptive bandwidth adjustment for resource constrained services in fog queueing system. Cluster Computing, 2021, 24, 3837-3850.	5.0	6
46	Estimation of pellet size and strength of limestone and manganese concentrate using soft computing techniques. Applied Soft Computing Journal, 2017, 59, 500-511.	7.2	5
47	Application of biogeography based optimization to locate critical slip surface in slope stability evaluation. , 2018, , .		5
48	A group evaluation based binary PSO algorithm for feature selection in high dimensional data. Evolutionary Intelligence, 2021, 14, 1949-1963.	3.6	5
49	Feature Binding Technique for Integration of Biological Databases with Optimized Search and Retrieve. Procedia Technology, 2012, 6, 622-629.	1.1	4
50	Feature Selection and Classification for Gene Expression Data Using Evolutionary Computation. , 2012, , .		4
51	SVM-Based Predictive Modelling of Wet Pelletization Using Experimental and GA-Based Synthetic Data. Arabian Journal for Science and Engineering, 2016, 41, 1053-1065.	1.1	4
52	Design and analysis of various bidirectional 2DPCAs in feature partitioning framework. Multimedia Tools and Applications, 2021, 80, 24491.	3.9	4
53	Standardization of a method for studying susceptibility of Indian coals to self-heating. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	3
54	Hardware implementation of Naïve Bayes classifier: A cost effective technique. , 2016, , .		2

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55	A neural network-based approach for steady-state modelling and simulation of continuous balling process. <i>Soft Computing</i> , 2018, 22, 873-887.	3.6	2
56	Monophonic music composition using genetic algorithm and Bresenham's line algorithm. <i>Multimedia Tools and Applications</i> , 2022, 81, 26483-26503.	3.9	2
57	Application of Flower Pollination Algorithm to Locate Critical Failure Surface for Slope Stability Analysis. <i>Studies in Computational Intelligence</i> , 2021, , 301-315.	0.9	1
58	Machine learning-enabled cognitive approaches for handling IoT-based environmental data. , 2022, , 19-43.		1
59	Rule Generation for Recruitment Decision Analysis-A Granular Approach. <i>Advanced Materials Research</i> , 2011, 403-408, 802-809.	0.3	0
60	Space Complexity Analysis in Hybrid Principal Component Analysis. , 2020, , .		0
61	GAPWA: genetic algorithm using pair wise alignment method for solving MSA problem. <i>International Journal of Convergence Computing</i> , 2016, 2, 130.	0.2	0
62	A Meta-heuristic Based Approach for Slope Stability Analysis to Design an Optimal Soil Slope. <i>Studies in Computational Intelligence</i> , 2021, , 195-207.	0.9	0