

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 | Efficient feature selection methods using PSO with fuzzy rough set as fitness function. <i>Soft Computing</i> , 2022, 26, 2501-2521. | 3.6 | 10 |
| 2 | A CBIR system based on saliency driven local image features and multi orientation texture features. <i>Journal of Visual Communication and Image Representation</i> , 2022, 83, 103396. | 2.8 | 8 |
| 3 | Machine learning-enabled cognitive approaches for handling IoT-based environmental data. , 2022, , 19-43. | | 1 |
| 4 | Monophonic music composition using genetic algorithm and Bresenham's line algorithm. <i>Multimedia Tools and Applications</i> , 2022, 81, 26483-26503. | 3.9 | 2 |
| 5 | A group evaluation based binary PSO algorithm for feature selection in high dimensional data. <i>Evolutionary Intelligence</i> , 2021, 14, 1949-1963. | 3.6 | 5 |
| 6 | Pseudo-relevance feedback based query expansion using boosting algorithm. <i>Artificial Intelligence Review</i> , 2021, 54, 6101-6124. | 15.7 | 9 |
| 7 | Fusion of region based extracted features for instance- and class-based CBIR applications. <i>Applied Soft Computing Journal</i> , 2021, 102, 107063. | 7.2 | 13 |
| 8 | Design and analysis of various bidirectional 2DPCAs in feature partitioning framework. <i>Multimedia Tools and Applications</i> , 2021, 80, 24491. | 3.9 | 4 |
| 9 | 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 |
| 10 | Building a text collection for Urdu information retrieval. <i>ETRI Journal</i> , 2021, 43, 856-868. | 2.0 | 6 |
| 11 | Adaptive bandwidth adjustment for resource constrained services in fog queueing system. <i>Cluster Computing</i> , 2021, 24, 3837-3850. | 5.0 | 6 |
| 12 | Delay-aware application offloading in fog environment using multi-class Brownian model. <i>Wireless Networks</i> , 2021, 27, 4479-4495. | 3.0 | 8 |
| 13 | A review and analysis of secure and lightweight ECC-based RFID authentication protocol for Internet of Vehicles. <i>Transactions on Emerging Telecommunications Technologies</i> , 2021, 32, e4354. | 3.9 | 12 |
| 14 | 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 |
| 15 | 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 |
| 16 | Novel approaches to one-directional two-dimensional principal component analysis in hybrid pattern framework. <i>Neural Computing and Applications</i> , 2020, 32, 4897-4918. | 5.6 | 14 |
| 17 | New efficient initialization and updating mechanisms in PSO for feature selection and classification. <i>Neural Computing and Applications</i> , 2020, 32, 3283-3294. | 5.6 | 13 |
| 18 | Internet of Things and data analytics: A current review. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2020, 10, e1341. | 6.8 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Multi-level colored directional motif histograms for content-based image retrieval. Visual Computer, 2020, 36, 1847-1868. | 3.5 | 17 |
| 20 | 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 |
| 21 | Space Complexity Analysis in Hybrid Principal Component Analysis. , 2020, , . | | 0 |
| 22 | 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 |
| 23 | Locating critical failure surface using meta-heuristic approaches: a comparative assessment. Arabian Journal of Geosciences, 2019, 12, 1. | 1.3 | 15 |
| 24 | Efficient feature selection and classification algorithm based on PSO and rough sets. Neural Computing and Applications, 2019, 31, 4287-4303. | 5.6 | 22 |
| 25 | A BBO-based algorithm for slope stability analysis by locating critical failure surface. Neural Computing and Applications, 2019, 31, 6401-6418. | 5.6 | 20 |
| 26 | Epileptic seizure detection in EEG signal using machine learning techniques. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 81-94. | 1.3 | 62 |
| 27 | 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 |
| 28 | A neural network-based approach for steady-state modelling and simulation of continuous balling process. Soft Computing, 2018, 22, 873-887. | 3.6 | 2 |
| 29 | BERA: a biogeography-based energy saving routing architecture for wireless sensor networks. Soft Computing, 2018, 22, 1651-1667. | 3.6 | 43 |
| 30 | CRHS: clustering and routing in wireless sensor networks using harmony search algorithm. Neural Computing and Applications, 2018, 30, 639-659. | 5.6 | 39 |
| 31 | Local Transformed Features for Epileptic Seizure Detection in EEG Signal. Journal of Medical and Biological Engineering, 2018, 38, 222-235. | 1.8 | 14 |
| 32 | Urdu Text Classification: A comparative study using machine learning techniques. , 2018, , . | | 12 |
| 33 | Query Expansion in Information Retrieval for Urdu Language. , 2018, , . | | 7 |
| 34 | Analysis of slope stability and detection of critical failure surface using gravitational search algorithm. , 2018, , . | | 8 |
| 35 | Application of biogeography based optimization to locate critical slip surface in slope stability evaluation. , 2018, , . | | 5 |
| 36 | A hierarchical CBIR framework using adaptive tetrolet transform and novel histograms from color and shape features. , 2018, 82, 258-281. | | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Energy efficient clustering algorithms for wireless sensor networks: novel chemical reaction optimization approach. <i>Wireless Networks</i> , 2017, 23, 433-452. | 3.0 | 43 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | Epileptic seizure detection in EEG signal with GModPCA and support vector machine. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, 141-157. | 0.6 | 19 |
| 42 | Estimation of pellet size and strength of limestone and manganese concentrate using soft computing techniques. <i>Applied Soft Computing Journal</i> , 2017, 59, 500-511. | 7.2 | 5 |
| 43 | New Hybrid PCA-Based Facial Age Estimation Using Inter-Age Group Variation-Based Hierarchical Classifier. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 3337-3355. | 3.0 | 13 |
| 44 | A Rough Based Hybrid Binary PSO Algorithm for Flat Feature Selection and Classification in Gene Expression Data. <i>Annals of Data Science</i> , 2017, 4, 341-360. | 3.2 | 12 |
| 45 | 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 |
| 46 | IBBOMSA: An Improved Biogeography-based Approach for Multiple Sequence Alignment. <i>Evolutionary Bioinformatics</i> , 2016, 12, EBO.S40457. | 1.2 | 10 |
| 47 | A prominent object region detection based approach for CBIR application. , 2016, , . | | 7 |
| 48 | A study of soft computing models for prediction of longitudinal wave velocity. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1. | 1.3 | 23 |
| 49 | Hardware implementation of Naïve Bayes classifier: A cost effective technique. , 2016, , . | | 2 |
| 50 | Standardization of a method for studying susceptibility of Indian coals to self-heating. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1. | 1.3 | 3 |
| 51 | SVM-Based Predictive Modelling of Wet Pelletization Using Experimental and GA-Based Synthetic Data. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 1053-1065. | 1.1 | 4 |
| 52 | Cancer microarray data feature selection using multi-objective binary particle swarm optimization algorithm. <i>EXCLI Journal</i> , 2016, 15, 460-473. | 0.7 | 25 |
| 53 | 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 |
| 54 | 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 |

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|----|---|------|-----------|
| 55 | Performance evaluation of approximated artificial neural network (AANN) algorithm for reliability improvement. Applied Soft Computing Journal, 2015, 26, 303-314. | 7.2 | 13 |
| 56 | Outlier Detection in Microarray Data Using Hybrid Evolutionary Algorithm. Procedia Technology, 2012, 6, 291-298. | 1.1 | 10 |
| 57 | Feature Binding Technique for Integration of Biological Databases with Optimized Search and Retrieve. Procedia Technology, 2012, 6, 622-629. | 1.1 | 4 |
| 58 | Feature Selection and Classification for Gene Expression Data Using Evolutionary Computation. , 2012, , . | | 4 |
| 59 | Rule Generation for Recruitment Decision Analysis-A Granular Approach. Advanced Materials Research, 2011, 403-408, 802-809. | 0.3 | 0 |
| 60 | Gene interaction " An evolutionary biclustering approach. Information Fusion, 2009, 10, 242-249. | 19.1 | 27 |
| 61 | Evolutionary Rough Feature Selection in Gene Expression Data. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 622-632. | 2.9 | 125 |
| 62 | Multi-objective evolutionary biclustering of gene expression data. Pattern Recognition, 2006, 39, 2464-2477. | 8.1 | 221 |