

# Tarek M Hamdani

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

434  
citations

1306789

7  
h-index

940134

16  
g-index

47  
all docs

47  
docs citations

47  
times ranked

406  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Multi-objective Feature Selection with NSGA II. Lecture Notes in Computer Science, 2007, , 240-247.   | 1.0 | 96        |
| 2  | Morphological Convolutional Neural Network Architecture for Digit Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2876-2885.  | 7.2 | 58        |
| 3  | Hierarchical genetic algorithm with new evaluation function and bi-coded representation for the selection of features considering their confidence rate. Applied Soft Computing Journal, 2011, 11, 2501-2509. | 4.1 | 34        |
| 4  | Distributed Genetic Algorithm with Bi-Coded Chromosomes and a New Evaluation Function for Features Selection. , 0, , .  |     | 29        |
| 5  | 2IBGSOM: interior and irregular boundaries growing self-organizing maps. , 2007, , .  |     | 12        |
| 6  | Distributed MOPSO with a new population subdivision technique for the feature selection. , 2011, , .  |     | 12        |
| 7  | A multi objective particles swarm optimization algorithm for solving the routing pico-satellites problem. , 2012, , .   |     | 10        |
| 8  | Diagnosis of Lymphatic Diseases Using a Naive Bayes Style Possibilistic Classifier. , 2013, , .   |     | 10        |
| 9  | Morph-CNN: A Morphological Convolutional Neural Network for Image Classification. Lecture Notes in Computer Science, 2017, , 110-117.   | 1.0 | 10        |
| 10 | Enhancing the structure and parameters of the centers for BBF Fuzzy Neural Network classifier construction based on data structure. , 2008, , .   |     | 9         |
| 11 | A new data topology matching technique with Multilevel Interior Growing Self-Organizing Maps. , 2010, , .   |     | 9         |
| 12 | An Iterative Method for Deciding SVM and Single Layer Neural Network Structures. Neural Processing Letters, 2011, 33, 171-186.  | 2.0 | 9         |
| 13 | MIGSOM: Multilevel Interior Growing Self-Organizing Maps for High Dimensional Data Clustering. Neural Processing Letters, 2012, 36, 235-256.  | 2.0 | 8         |
| 14 | Movie scenes detection with MIGSOM based on shots semi-supervised clustering. Neural Computing and Applications, 2013, 22, 1387-1396.   | 3.2 | 8         |
| 15 | Hybrid Na&#x00EF;ve Possibilistic Classifier for heart disease detection from heterogeneous medical data. , 2013, , .   |     | 8         |
| 16 | A modified hybrid na&#x00EF;ve possibilistic Classifier for heart disease detection from heterogeneous medical data. , 2014, , .  |     | 8         |
| 17 | A new hierarchical approach for MOPSO based on dynamic subdivision of the population using Pareto fronts. , 2010, , .   |     | 6         |
| 18 | On the use of cluster validity for evaluation of MIGSOM clustering. , 2011, , .   |     | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A new Hybrid Discrete Bat Algorithm for Traveling Salesman Problem using ordered crossover and 3-Opt operators for Bat's local search. , 2015, , .  |     | 6         |
| 20 | A new classifier for categorical data based on a possibilistic estimation and a novel generalized minimum-based algorithm. Journal of Intelligent and Fuzzy Systems, 2017, 33, 1723-1731.   | 0.8 | 6         |
| 21 | Improvement of On-line Recognition Systems Using a RBF-Neural Network Based Writer Adaptation Module. , 2011, , .   |     | 5         |
| 22 | Big data clustering validity. , 2014, , .   |     | 5         |
| 23 | A Modified Naïve Possibilistic Classifier for Numerical Data. Advances in Intelligent Systems and Computing, 2017, , 417-426.   | 0.5 | 5         |
| 24 | Î²_SVM a new Support Vector Machine kernel. , 2003, , 63-68.  |     | 5         |
| 25 | Sixth International Conference on Machine Learning and Applications - Title. , 2007, , .  |     | 4         |
| 26 | Hierarchical design for distributed MOPSO using sub-swarms based on a population Pareto fronts analysis for the grasp planning problem. , 2013, , .   |     | 4         |
| 27 | Improved Neural Based Writer Adaptation for On-Line Recognition Systems. , 2013, , .  |     | 4         |
| 28 | OHRS-MEWA: On-Line Handwriting Recognition System with Multi-environment Writer Adaptation. , 2014, , .   |     | 4         |
| 29 | Deep neural network with RBF and sparse auto-encoders for numeral recognition. , 2015, , .  |     | 4         |
| 30 | Wavelet Convolutional Neural Networks for Handwritten Digits Recognition. Advances in Intelligent Systems and Computing, 2018, , 305-310.   | 0.5 | 4         |
| 31 | A new possibilistic classifier for mixed categorical and numerical data based on a bi-module possibilistic estimation and the generalized minimum-based algorithm. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3513-3523. | 0.8 | 4         |
| 32 | ASAR 2021 Competition on Online Arabic Character Recognition: ACRC. Lecture Notes in Computer Science, 2021, , 379-389.   | 1.0 | 4         |
| 33 | A Modified Naïve Bayes Style Possibilistic Classifier for the Diagnosis of Lymphatic Diseases. Advances in Intelligent Systems and Computing, 2017, , 479-488.  | 0.5 | 4         |
| 34 | Decision Quality Enhancement in Minimum-Based Possibilistic Classification for Numerical Data. Advances in Intelligent Systems and Computing, 2018, , 634-643.  | 0.5 | 4         |
| 35 | A New Decision-Making Intelligent System for the Recognition of Bilingual Handwritten Postal Addresses. Journal of Decision Systems, 2005, 14, 123-155.   | 2.2 | 3         |
| 36 | Improving a HMM-based off-line handwriting recognition system using MME-PSO optimization. , 2011, , .   |     | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Distributed MOPSO with dynamic pareto front driven population analysis for TSP problem. , 2014, , .  |     | 3         |
| 38 | ASAR 2021 Competition on Online Signal Restoration Using Arabic Handwriting Dhad Dataset. Lecture Notes in Computer Science, 2021, , 366-378.                          | 1.0 | 3         |
| 39 | FMIG: Fuzzy Multilevel Interior Growing Self-Organizing Maps. , 2012, , .  |     | 2         |
| 40 | Optimization algorithms, benchmarks and performance measures: From static to dynamic environment. , 2015, , .  |     | 2         |
| 41 | Unsupervised selection of HMMs architectures for handwritten text/word recognition. , 2011, , .  |     | 1         |
| 42 | Performance evaluation of FMIG clustering using fuzzy validity indexes. Soft Computing, 2015, 19, 3515-3528.   | 2.1 | 1         |
| 43 | An adaptation module with growing and adjustment RBFNN using a Long-Term Memory. , 2016, , .   |     | 1         |
| 44 | AN INTELLIGENT DECISION-MAKING SYSTEM BASED ON MULTIPLE CLASSIFIERS UPDATED USING CONFIDENCE RATES AND STRESS PARAMETERS. Control and Intelligent Systems, 2011, 39, . | 0.3 | 1         |
| 45 | Negotiation guiding framework: A recommendation for negotiation's designer model. , 2011, , .  |     | 0         |
| 46 | Adaptive fuzzy inference system plug-in for writer adaptation. , 2017, , .   |     | 0         |
| 47 | Spread Control for Huge Data Fuzzy Learning. Advances in Intelligent Systems and Computing, 2017, , 588-598.   | 0.5 | 0         |