

Jonathan Garibaldi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7032661/publications.pdf>

Version: 2024-02-01

227
papers

6,303
citations

101384

36
h-index

85405

71
g-index

232
all docs

232
docs citations

232
times ranked

7787
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Network Intrusion Detection Based on Dynamic Intuitionistic Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2022, 30, 3460-3472. | 6.5 | 5 |
| 2 | A Constrained Parametric Approach for Modeling Uncertain Data. IEEE Transactions on Fuzzy Systems, 2022, 30, 3967-3978. | 6.5 | 5 |
| 3 | Extension of Restricted Equivalence Functions and Similarity Measures for Type-2 Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2022, 30, 4005-4016. | 6.5 | 5 |
| 4 | Lessons learned from the COVID-19 pandemic about sample access for research in the UK. BMJ Open, 2022, 12, e047309. | 0.8 | 2 |
| 5 | LMISA: A Lightweight Multi-modality Image Segmentation Network via Domain Adaptation using Gradient Magnitude and Shape Constraint. Medical Image Analysis, 2022, , 102536. | 7.0 | 3 |
| 6 | Clustering-Based Representation Learning through Output Translation and Its Application to Remote-Sensing Images. Remote Sensing, 2022, 14, 3361. | 1.8 | 2 |
| 7 | A Fast Inference and Type-Reduction Process for Constrained Interval Type-2 Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2021, 29, 3323-3333. | 6.5 | 6 |
| 8 | Type-1 OWA Operators in Aggregating Multiple Sources of Uncertain Information: Properties and Real-World Applications in Integrated Diagnosis. IEEE Transactions on Fuzzy Systems, 2021, 29, 2112-2121. | 6.5 | 4 |
| 9 | Constrained Interval Type-2 Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2021, 29, 1212-1225. | 6.5 | 17 |
| 10 | A Comprehensive Study of the Efficiency of Type-Reduction Algorithms. IEEE Transactions on Fuzzy Systems, 2021, 29, 1556-1566. | 6.5 | 24 |
| 11 | Toward a Framework for Capturing Interpretability of Hierarchical Fuzzy Systemsâ€”A Participatory Design Approach. IEEE Transactions on Fuzzy Systems, 2021, 29, 1160-1172. | 6.5 | 24 |
| 12 | End-to-End Fovea Localisation in Colour Fundus Images With a Hierarchical Deep Regression Network. IEEE Transactions on Medical Imaging, 2021, 40, 116-128. | 5.4 | 13 |
| 13 | Relative geometry-aware siamese neural network for 6DOF camera relocalization. Neurocomputing, 2021, 426, 134-146. | 3.5 | 13 |
| 14 | Designing the Hierarchical Fuzzy Systems Via FuzzyR Toolbox. , 2021, , . | | 3 |
| 15 | An Extension of the FuzzyR Toolbox for Non-Singleton Fuzzy Logic Systems. , 2021, , . | | 1 |
| 16 | A Fuzzy Aggregation based Ensemble Framework for Accurate and Stable Feature Selection. , 2021, , . | | 1 |
| 17 | Machine learning can predict disease manifestations and outcomes in lymphangioliomyomatosis. European Respiratory Journal, 2021, 57, 2003036. | 3.1 | 6 |
| 18 | Similarity between interval-valued fuzzy sets taking into account the width of the intervals and admissible orders. Fuzzy Sets and Systems, 2020, 390, 23-47. | 1.6 | 41 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | ADONIS Adaptive Online Nonsingleton Fuzzy Logic Systems. IEEE Transactions on Fuzzy Systems, 2020, 28, 2302-2312. | 6.5 | 29 |
| 20 | Attention by Selection: A Deep Selective Attention Approach to Breast Cancer Classification. IEEE Transactions on Medical Imaging, 2020, 39, 1930-1941. | 5.4 | 47 |
| 21 | A Novel Meta Learning Framework for Feature Selection using Data Synthesis and Fuzzy Similarity. , 2020, , . | | 3 |
| 22 | Constrained Interval Type-2 Fuzzy Classification Systems for Explainable AI (XAI). , 2020, , . | | 10 |
| 23 | An Improved Complexity Measure in Hierarchical Fuzzy Systems. , 2020, , . | | 4 |
| 24 | FuzzyR: An Extended Fuzzy Logic Toolbox for the R Programming Language. , 2020, , . | | 9 |
| 25 | Juzzy Constrained: Software for Constrained Interval Type-2 Fuzzy Sets and Systems in Java. , 2020, , . | | 4 |
| 26 | DRU-Net: An Efficient Deep Convolutional Neural Network for Medical Image Segmentation. , 2020, , . | | 32 |
| 27 | The Barriers and Motivators to Using Human Tissues for Research: The Views of UK-Based Biomedical Researchers. Biopreservation and Biobanking, 2020, 18, 266-273. | 0.5 | 22 |
| 28 | 3D map-guided single indoor image localization refinement. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 161, 13-26. | 4.9 | 13 |
| 29 | Uncertainty-Aware Forecasting of Renewable Energy Sources. , 2020, , . | | 5 |
| 30 | Performance and Interpretability in Fuzzy Logic Systems – Can We Have Both?. Communications in Computer and Information Science, 2020, , 571-584. | 0.4 | 2 |
| 31 | A Hybrid Evolutionary Strategy to Optimise Early-Stage Cancer Screening. , 2019, , . | | 0 |
| 32 | A Measure of Structural Complexity of Hierarchical Fuzzy Systems Adapted from Software Engineering. , 2019, , . | | 4 |
| 33 | On the Concept of Meaningfulness in Constrained Type-2 Fuzzy Sets. , 2019, , . | | 7 |
| 34 | A Novel Weighted Combination Method for Feature Selection using Fuzzy Sets. , 2019, , . | | 3 |
| 35 | Deep Fuzzy Tree for Large-Scale Hierarchical Visual Classification. IEEE Transactions on Fuzzy Systems, 2019, , 1-1. | 6.5 | 11 |
| 36 | Combining clustering and classification ensembles: A novel pipeline to identify breast cancer profiles. Artificial Intelligence in Medicine, 2019, 97, 27-37. | 3.8 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Psychological interventions as vaccine adjuvants: A systematic review. <i>Vaccine</i> , 2019, 37, 3255-3266. | 1.7 | 14 |
| 38 | Young adults's attitudes to sharing whole-genome sequencing information: a university-based survey. <i>BMC Medical Genomics</i> , 2019, 12, 55. | 0.7 | 2 |
| 39 | Indoor Topological Localization Using a Visual Landmark Sequence. <i>Remote Sensing</i> , 2019, 11, 73. | 1.8 | 15 |
| 40 | Leveraging IT2 Input Fuzzy Sets in Non-Singleton Fuzzy Logic Systems to Dynamically Adapt to Varying Uncertainty Levels. , 2019, , . | | 2 |
| 41 | An End-to-End Deep Learning Histochemical Scoring System for Breast Cancer TMA. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 617-628. | 5.4 | 37 |
| 42 | Identifying Heavy Goods Vehicle Driving Styles in the United Kingdom. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 3324-3336. | 4.7 | 16 |
| 43 | A fast community detection method in bipartite networks by distance dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 496, 108-120. | 1.2 | 30 |
| 44 | Input Uncertainty Sensitivity Enhanced Nonsingleton Fuzzy Logic Controllers for Long-Term Navigation of Quadrotor UAVs. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 725-734. | 3.7 | 52 |
| 45 | A Direct Approach for Determining the Switch Points in the Karnik's Mendel Algorithm. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 1079-1085. | 6.5 | 20 |
| 46 | Positive mood on the day of influenza vaccination predicts vaccine effectiveness: A prospective observational cohort study. <i>Brain, Behavior, and Immunity</i> , 2018, 67, 314-323. | 2.0 | 27 |
| 47 | Direct Application of Convolutional Neural Network Features to Image Quality Assessment. , 2018, , . | | 0 |
| 48 | Exploring Constrained Type-2 Fuzzy Sets. , 2018, , . | | 6 |
| 49 | Interpretability and Complexity of Design in the Creation of Fuzzy Logic Systems – A User Study. , 2018, , . | | 15 |
| 50 | Performance Optimization of a Fuzzy Entropy Based Feature Selection and Classification Framework. , 2018, , . | | 6 |
| 51 | Exploring Subsethood to Determine Firing Strength in Non-Singleton Fuzzy Logic Systems. , 2018, , . | | 9 |
| 52 | A Comment on "A Direct Approach for Determining the Switch Points in the Karnik's Mendel Algorithm". <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 3905-3907. | 6.5 | 14 |
| 53 | Noise Parameter Estimation for Non-Singleton Fuzzy Logic Systems. , 2018, , . | | 5 |
| 54 | Modeling and control of operator functional state in a unified framework of fuzzy inference petri nets. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 144, 147-163. | 2.6 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Vehicle Incident Hot Spots Identification: An Approach for Big Data. , 2017, , . | | 7 |
| 56 | Type-1 and interval type-2 ANFIS: A comparison. , 2017, , . | | 4 |
| 57 | An improved game-theoretic approach to uncover overlapping communities. International Journal of Modern Physics C, 2017, 28, 1750112. | 0.8 | 12 |
| 58 | A signalome screening approach in the autoinflammatory disease TNF receptor associated periodic syndrome (TRAPS) highlights the anti-inflammatory properties of drugs for repurposing. Pharmacological Research, 2017, 125, 188-200. | 3.1 | 7 |
| 59 | An Immune-Inspired Technique to Identify Heavy Goods Vehicles Incident Hot Spots. IEEE Transactions on Emerging Topics in Computational Intelligence, 2017, 1, 248-258. | 3.4 | 7 |
| 60 | Similarity-based non-singleton fuzzy logic control for improved performance in UAVs. , 2017, , . | | 5 |
| 61 | On Using Genetic Algorithm for Initialising Semi-supervised Fuzzy c-Means Clustering. Advances in Intelligent Systems and Computing, 2017, , 3-14. | 0.5 | 0 |
| 62 | Can machine-learning improve cardiovascular risk prediction using routine clinical data?. PLoS ONE, 2017, 12, e0174944. | 1.1 | 814 |
| 63 | A new dynamic approach for non-singleton fuzzification in noisy time-series prediction. , 2017, , . | | 8 |
| 64 | A new accuracy measure based on bounded relative error for time series forecasting. PLoS ONE, 2017, 12, e0174202. | 1.1 | 127 |
| 65 | The UK Clinical Research Collaboration (UKCRC) Tissue Directory and Coordination Centre: The UK's Centre for facilitating the Usage of Human Samples for Medical Research. Open Journal of Bioresources, 2017, 4, . | 1.5 | 6 |
| 66 | Determining Firing Strengths Through a Novel Similarity Measure to Enhance Uncertainty Handling in Non-singleton Fuzzy Logic Systems. , 2017, , . | | 7 |
| 67 | Validation of a Quantifier-Based Fuzzy Classification System for Breast Cancer Patients on External Independent Cohorts. , 2016, , . | | 1 |
| 68 | Contrasting singleton type-1 and interval type-2 non-singleton type-1 fuzzy logic systems. , 2016, , . | | 5 |
| 69 | A similarity-based inference engine for non-singleton fuzzy logic systems. , 2016, , . | | 17 |
| 70 | Improved Uncertainty Capture for Nonsingleton Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2016, 24, 1513-1524. | 6.5 | 30 |
| 71 | Nottingham prognostic index plus (NPI+) predicts risk of distant metastases in primary breast cancer. Breast Cancer Research and Treatment, 2016, 157, 65-75. | 1.1 | 24 |
| 72 | Nottingham Prognostic Index Plus: Validation of a clinical decision making tool in breast cancer in an independent series. Journal of Pathology: Clinical Research, 2016, 2, 32-40. | 1.3 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Modelling cyber-security experts' decision making processes using aggregation operators. Computers and Security, 2016, 62, 229-245. | 4.0 | 14 |
| 74 | An extended ANFIS architecture and its learning properties for type-1 and interval type-2 models. , 2016, , . | | 11 |
| 75 | An exploration of issues and limitations in current methods of TOPSIS and fuzzy TOPSIS. , 2016, , . | | 15 |
| 76 | A comparative study on the control of quadcopter UAVs by using singleton and non-singleton fuzzy logic controllers. , 2016, , . | | 8 |
| 77 | KI67 and DLX2 predict increased risk of metastasis formation in prostate cancerâ€”a targeted molecular approach. British Journal of Cancer, 2016, 115, 236-242. | 2.9 | 43 |
| 78 | A multi-cycled sequential memetic computing approach for constrained optimisation. Information Sciences, 2016, 340-341, 175-190. | 4.0 | 7 |
| 79 | Leaf classification using multiple feature analysis based on semi-supervised clustering. Journal of Intelligent and Fuzzy Systems, 2015, 29, 1465-1477. | 0.8 | 7 |
| 80 | On transitioning from type-1 to interval type-2 fuzzy logic systems. , 2015, , . | | 4 |
| 81 | Semi-Supervised Fuzzy Clustering with Feature Discrimination. PLoS ONE, 2015, 10, e0131160. | 1.1 | 8 |
| 82 | Ensemble fuzzy classifiers design using weighted aggregation criteria. , 2015, , . | | 3 |
| 83 | A Simplified Method of FOU Design Utilising Simulated Annealing. , 2015, , . | | 2 |
| 84 | A Comparison between Two Types of Fuzzy TOPSIS Method. , 2015, , . | | 1 |
| 85 | Adaptive Data Communication Interface: A User-Centric Visual Data Interpretation Framework. , 2015, , . | | 0 |
| 86 | A Data Analysis Framework to Rank HGV Drivers. , 2015, , . | | 6 |
| 87 | Automatic detection of protected health information from clinic narratives. Journal of Biomedical Informatics, 2015, 58, S30-S38. | 2.5 | 69 |
| 88 | A supervised adverse drug reaction signalling framework imitating Bradford Hillâ€™s causality considerations. Journal of Biomedical Informatics, 2015, 56, 356-368. | 2.5 | 19 |
| 89 | From Interval-Valued Data to General Type-2 Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2015, 23, 248-269. | 6.5 | 99 |
| 90 | A hybrid model for automatic identification of risk factors for heart disease. Journal of Biomedical Informatics, 2015, 58, S171-S182. | 2.5 | 64 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | A Data-Centric Strategy for Modern Biobanking. <i>Advances in Experimental Medicine and Biology</i> , 2015, 864, 165-169. | 0.8 | 8 |
| 92 | Juxtaposition of System Dynamics and Agent-Based Simulation for a Case Study in Immunosenescence. <i>PLoS ONE</i> , 2015, 10, e0118359. | 1.1 | 6 |
| 93 | A Data Mining Framework to Model Consumer Indebtedness with Psychological Factors. , 2014, , . | | 1 |
| 94 | Context-Dependent Fuzzy Systems With Application to Time-Series Prediction. <i>IEEE Transactions on Fuzzy Systems</i> , 2014, 22, 778-790. | 6.5 | 17 |
| 95 | Tuning a multiple classifier system for side effect discovery using genetic algorithms. , 2014, , . | | 1 |
| 96 | Nottingham Prognostic Index Plus (NPI+): a modern clinical decision making tool in breast cancer. <i>British Journal of Cancer</i> , 2014, 110, 1688-1697. | 2.9 | 84 |
| 97 | A general type-II similarity based model for breast cancer grading with FTIR spectral data. , 2014, , . | | 2 |
| 98 | Exploring statistical attributes obtained from fuzzy agreement models. , 2014, , . | | 3 |
| 99 | Investigating distance metric learning in semi-supervised fuzzy c-means clustering. , 2014, , . | | 7 |
| 100 | Personalising Mobile Advertising Based on Users' Installed Apps. , 2014, , . | | 3 |
| 101 | Automatic Generation of ANFIS Rules in Modelling Breast Cancer Survival. , 2014, , . | | 1 |
| 102 | Identifying stable breast cancer subgroups using semi-supervised fuzzy c-means on a reduced panel of biomarkers. , 2014, , . | | 0 |
| 103 | Type-1 or interval type-2 fuzzy logic systems — On the relationship of the amount of uncertainty and FOU size. , 2014, , . | | 28 |
| 104 | L-fuzzy inference. , 2014, , . | | 0 |
| 105 | Augmented Neural Networks for modelling consumer indebtedness. , 2014, , . | | 2 |
| 106 | A methodology for automatic classification of breast cancer immunohistochemical data using semi-supervised Fuzzy c-means. <i>Central European Journal of Operations Research</i> , 2014, 22, 475-499. | 1.1 | 3 |
| 107 | Signalling Paediatric Side Effects using an Ensemble of Simple Study Designs. <i>Drug Safety</i> , 2014, 37, 163-170. | 1.4 | 13 |
| 108 | Neural networks and AdaBoost algorithm based ensemble models for enhanced forecasting of nonlinear time series. , 2014, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | A Novel Semisupervised Algorithm for Rare Prescription Side Effect Discovery. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 537-547. | 3.9 | 12 |
| 110 | Practical detection of a definitive biomarker panel for Alzheimer's disease; comparisons between matched plasma and cerebrospinal fluid. International Journal of Molecular Epidemiology and Genetics, 2014, 5, 53-70. | 0.4 | 10 |
| 111 | A quantifier-based fuzzy classification system for breast cancer patients. Artificial Intelligence in Medicine, 2013, 58, 175-184. | 3.8 | 24 |
| 112 | Comparison of algorithms that detect drug side effects using electronic healthcare databases. Soft Computing, 2013, 17, 2381-2397. | 2.1 | 22 |
| 113 | Identification of key clinical phenotypes of breast cancer using a reduced panel of protein biomarkers. British Journal of Cancer, 2013, 109, 1886-1894. | 2.9 | 40 |
| 114 | Modelling distributions of the temporal membership grades for non-stationary fuzzy sets. , 2013, , . | | 0 |
| 115 | Improving semi-supervised fuzzy c-means classification of Breast Cancer data using feature selection. , 2013, , . | | 5 |
| 116 | An improved optimisation framework for fuzzy time-series prediction. , 2013, , . | | 1 |
| 117 | Evolving OWA operators for cyber security decision making problems. , 2013, , . | | 4 |
| 118 | Biology of primary breast cancer in older women treated by surgery: with correlation with long-term clinical outcome and comparison with their younger counterparts. British Journal of Cancer, 2013, 108, 1042-1051. | 2.9 | 65 |
| 119 | Characteristics of basal cytokeratin expression in breast cancer. Breast Cancer Research and Treatment, 2013, 139, 23-37. | 1.1 | 32 |
| 120 | A preliminary study on automatic breast cancer data classification using semi-supervised fuzzy c-means. International Journal of Biomedical Engineering and Technology, 2013, 13, 303. | 0.2 | 15 |
| 121 | Interval type-2 fuzzy logic based robotic sailing. , 2013, , . | | 0 |
| 122 | Attributes for causal inference in electronic healthcare databases. , 2013, , . | | 5 |
| 123 | Similarity based applications for data-driven concept and word models based on type-1 and type-2 fuzzy sets. , 2013, , . | | 21 |
| 124 | Towards a method of identifying the causes of poor user experience on websites. , 2013, , . | | 2 |
| 125 | An Intelligent Multi-Restart Memetic Algorithm for Box Constrained Global Optimisation. Evolutionary Computation, 2013, 21, 107-147. | 2.3 | 84 |
| 126 | Investigating Distance Metrics in Semi-supervised Fuzzy c-Means for Breast Cancer Classification. Lecture Notes in Computer Science, 2013, , 147-157. | 1.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Towards a More Systematic Approach to Secure Systems Design and Analysis. International Journal of Secure Software Engineering, 2013, 4, 11-30. | 0.4 | 9 |
| 128 | A framework for automatic modelling of survival using fuzzy inference. , 2012, , . | | 1 |
| 129 | Measuring healthcare decision aid effectiveness. , 2012, , . | | 0 |
| 130 | An investigation into the relationship between type-2 FOU size and environmental uncertainty in robotic control. , 2012, , . | | 5 |
| 131 | Root gravitropism is regulated by a transient lateral auxin gradient controlled by a tipping-point mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4668-4673. | 3.3 | 304 |
| 132 | Constructing General Type-2 fuzzy sets from interval-valued data. , 2012, , . | | 36 |
| 133 | A comparative study of novel robust clustering algorithms. Intelligent Data Analysis, 2012, 16, 969-992. | 0.4 | 1 |
| 134 | Parameter Estimation Using Metaheuristics in Systems Biology: A Comprehensive Review. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 185-202. | 1.9 | 112 |
| 135 | Robust Bayesian Clustering for Replicated Gene Expression Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1504-1514. | 1.9 | 7 |
| 136 | Context modelling in fuzzy systems. , 2012, , . | | 3 |
| 137 | Incorporation of expert variability into breast cancer treatment recommendation in designing clinical protocol guided fuzzy rule system models. Journal of Biomedical Informatics, 2012, 45, 447-459. | 2.5 | 31 |
| 138 | MysiRNA: Improving siRNA efficacy prediction using a machine-learning model combining multi-tools and whole stacking energy (\hat{I}^*G). Journal of Biomedical Informatics, 2012, 45, 528-534. | 2.5 | 23 |
| 139 | Discovering sequential patterns in a UK general practice database. , 2012, , . | | 8 |
| 140 | Comparing data-mining algorithms developed for longitudinal observational databases. , 2012, , . | | 5 |
| 141 | Using Rule-Based Machine Learning for Candidate Disease Gene Prioritization and Sample Classification of Cancer Gene Expression Data. PLoS ONE, 2012, 7, e39932. | 1.1 | 95 |
| 142 | A fuzzy logic based Multi-criteria Group Decision Making system for the assesement of umbilical cord acid-base balance. , 2012, , . | | 2 |
| 143 | Interval type-2 fuzzy modelling and stochastic search for real-world inventory management. Soft Computing, 2012, 16, 1447-1459. | 2.1 | 9 |
| 144 | Constrained type-2 fuzzy sets. , 2011, , . | | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | p53 Status Identifies Two Subgroups of Triple-negative Breast Cancers with Distinct Biological Features. <i>Japanese Journal of Clinical Oncology</i> , 2011, 41, 172-179. | 0.6 | 59 |
| 146 | The complexities involved in the analysis of Fourier Transform Infrared Spectroscopy of breast cancer data with clustering algorithms. , 2011, , . | | 1 |
| 147 | A fuzzy toolbox for the R programming language. , 2011, , . | | 24 |
| 148 | REERG (Ras-like, oestrogen-regulated, growth-inhibitor) expression in breast cancer: a marker of ER-positive luminal-like subtype. <i>Breast Cancer Research and Treatment</i> , 2011, 128, 315-326. | 1.1 | 41 |
| 149 | Clustering of protein expression data: a benchmark of statistical and neural approaches. <i>Soft Computing</i> , 2011, 15, 1459-1469. | 2.1 | 4 |
| 150 | A "non-parametric"™ version of the naive Bayes classifier. <i>Knowledge-Based Systems</i> , 2011, 24, 775-784. | 4.0 | 113 |
| 151 | A comparison of distance-based semi-supervised fuzzy c-means clustering algorithms. , 2011, , . | | 7 |
| 152 | Alpha-Level Aggregation: A Practical Approach to Type-1 OWA Operation for Aggregating Uncertain Information with Applications to Breast Cancer Treatments. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2011, 23, 1455-1468. | 4.0 | 57 |
| 153 | Robust Dirichlet Process mixtures. , 2011, , . | | 0 |
| 154 | A comparison of non-stationary, type-2 and dual surface fuzzy control. , 2011, , . | | 7 |
| 155 | Fuzzification of the OWA Operators for Aggregating Uncertain Information with Uncertain Weights. <i>Studies in Fuzziness and Soft Computing</i> , 2011, , 91-109. | 0.6 | 2 |
| 156 | MysiRNA-Designer: A Workflow for Efficient siRNA Design. <i>PLoS ONE</i> , 2011, 6, e25642. | 1.1 | 35 |
| 157 | Two-timescale learning using idiotypic behaviour mediation for a navigating mobile robot. <i>Applied Soft Computing Journal</i> , 2010, 10, 876-887. | 4.1 | 8 |
| 158 | Real-world transfer of evolved artificial immune system behaviours between small and large scale robotic platforms. <i>Evolutionary Intelligence</i> , 2010, 3, 123-136. | 2.3 | 5 |
| 159 | GP challenge: evolving energy function for protein structure prediction. <i>Genetic Programming and Evolvable Machines</i> , 2010, 11, 61-88. | 1.5 | 15 |
| 160 | On aggregating uncertain information by type-2 OWA operators for soft decision making. <i>International Journal of Intelligent Systems</i> , 2010, 25, n/a-n/a. | 3.3 | 19 |
| 161 | Robust mixture clustering using Pearson type VII distribution. <i>Pattern Recognition Letters</i> , 2010, 31, 2447-2454. | 2.6 | 29 |
| 162 | A methodology to identify consensus classes from clustering algorithms applied to immunohistochemical data from breast cancer patients. <i>Computers in Biology and Medicine</i> , 2010, 40, 318-330. | 3.9 | 55 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | A novel framework to elucidate core classes in a dataset. , 2010, , . | | 2 |
| 164 | Adaptive neuro-fuzzy inference system (ANFIS) in modelling breast cancer survival. , 2010, , . | | 22 |
| 165 | A novel dual-surface type-2 controller for micro robots. , 2010, , . | | 7 |
| 166 | Robust mixture modeling using the Pearson type VII distribution. , 2010, , . | | 5 |
| 167 | A novel memetic algorithm for constrained optimization. , 2010, , . | | 6 |
| 168 | Classifying in the Presence of Uncertainty: A DCA Perspective. Lecture Notes in Computer Science, 2010, , 75-87. | 1.0 | 6 |
| 169 | vrmngen: AnRPackage for 3D Data Visualization on the Web. Journal of Statistical Software, 2010, 36, . | 1.8 | 7 |
| 170 | The Transfer of Evolved Artificial Immune System Behaviours between Small and Large Scale Robotic Platforms. Lecture Notes in Computer Science, 2010, , 122-133. | 1.0 | 2 |
| 171 | Evolutionary design of the energy function for protein structure prediction. , 2009, , . | | 3 |
| 172 | Methods of interpretation of a non-stationary fuzzy system for the treatment of breast cancer. , 2009, , . | | 3 |
| 173 | A comparison of Type-1 and Type-2 fuzzy controllers in a micro-robot context. , 2009, , . | | 17 |
| 174 | Geometrical insights into the dendritic cell algorithm. , 2009, , . | | 16 |
| 175 | Global Histone Modifications in Breast Cancer Correlate with Tumor Phenotypes, Prognostic Factors, and Patient Outcome. Cancer Research, 2009, 69, 3802-3809. | 0.4 | 417 |
| 176 | ArrayMining: a modular web-application for microarray analysis combining ensemble and consensus methods with cross-study normalization. BMC Bioinformatics, 2009, 10, 358. | 1.2 | 85 |
| 177 | Automated self-assembly programming paradigm: The impact of network topology. International Journal of Intelligent Systems, 2009, 24, 793-817. | 3.3 | 5 |
| 178 | An investigation of fuzzy multiple heuristic orderings in the construction of university examination timetables. Computers and Operations Research, 2009, 36, 981-1001. | 2.4 | 42 |
| 179 | Shared Potential Fields and their place in a multi-robot co-ordination taxonomy. Robotics and Autonomous Systems, 2009, 57, 1048-1055. | 3.0 | 19 |
| 180 | Supervised machine learning algorithms for protein structure classification. Computational Biology and Chemistry, 2009, 33, 216-223. | 1.1 | 77 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Type-1 OWA operator based non-stationary fuzzy decision support systems for breast cancer treatments. , 2009, , . | | 3 |
| 182 | The implementation of a novel, bio-inspired, robotic security system. , 2009, , . | | 2 |
| 183 | A framework for the application of decision trees to the analysis of SNPs data. , 2009, , . | | 2 |
| 184 | Linguistic rulesets extracted from a quantifier-based fuzzy classification system. , 2009, , . | | 7 |
| 185 | On Constructing Parsimonious Type-2 Fuzzy Logic Systems via Influential Rule Selection. IEEE Transactions on Fuzzy Systems, 2009, 17, 654-667. | 6.5 | 59 |
| 186 | The 2007 IEEE CEC simulated car racing competition. Genetic Programming and Evolvable Machines, 2008, 9, 295-329. | 1.5 | 31 |
| 187 | Frequency analysis for dendritic cell population tuning. Evolutionary Intelligence, 2008, 1, 145-157. | 2.3 | 30 |
| 188 | Type-1 OWA operators for aggregating uncertain information with uncertain weights induced by type-2 linguistic quantifiers. Fuzzy Sets and Systems, 2008, 159, 3281-3296. | 1.6 | 149 |
| 189 | A Comparison of Three Different Methods for Classification of Breast Cancer Data. , 2008, , . | | 18 |
| 190 | Nonstationary Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2008, 16, 1072-1086. | 6.5 | 80 |
| 191 | Type-2 OWA operators - aggregating type-2 fuzzy sets in soft decision making. , 2008, , . | | 2 |
| 192 | Generalisations of the concept of a non-stationary fuzzy set - a starting point to a formal discussion. , 2008, , . | | 3 |
| 193 | A fuzzy approach for the 2007 CIG simulated car racing competition. , 2008, , . | | 10 |
| 194 | Compact fuzzy rules induction and feature extraction using SVM with particle swarms for breast cancer treatments. , 2008, , . | | 7 |
| 195 | A novel fuzzy inferencing methodology for simulated car racing. , 2008, , . | | 1 |
| 196 | Search Strategies in Structural Bioinformatics. Current Protein and Peptide Science, 2008, 9, 260-274. | 0.7 | 13 |
| 197 | An Idiotypic Immune Network as a Short-Term Learning Architecture for Mobile Robots. Lecture Notes in Computer Science, 2008, , 266-278. | 1.0 | 13 |
| 198 | A Practical Approach to Type-1 OWA Operation for Soft Decision Making. , 2008, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 199 | New Concepts Related to Non-Stationary Fuzzy Sets. IEEE International Conference on Fuzzy Systems, 2007, , . | 0.0 | 11 |
| 200 | Fuzzy Grid Scheduling Using Tabu Search. IEEE International Conference on Fuzzy Systems, 2007, , . | 0.0 | 20 |
| 201 | Idiotypic Immune Networks in Mobile-Robot Control. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1581-1598. | 5.5 | 65 |
| 202 | Uncertain Fuzzy Reasoning: A Case Study in Modelling Expert Decision Making. IEEE Transactions on Fuzzy Systems, 2007, 15, 16-30. | 6.5 | 140 |
| 203 | New Type-2 Rule Ranking Indices for Designing Parsimonious Interval Type-2 Fuzzy Logic Systems. IEEE International Conference on Fuzzy Systems, 2007, , . | 0.0 | 2 |
| 204 | A novel fuzzy clustering algorithm for the analysis of axillary lymph node tissue sections. Applied Intelligence, 2007, 27, 237-248. | 3.3 | 12 |
| 205 | The Application of a Dendritic Cell Algorithm to a Robotic Classifier. Lecture Notes in Computer Science, 2007, , 204-215. | 1.0 | 38 |
| 206 | A Novel Fuzzy Approach to Evaluate the Quality of Examination Timetabling. , 2006, , 327-346. | | 6 |
| 207 | Lattice models of peptide aggregation: Evaluation of conformational search algorithms. Journal of Computational Chemistry, 2005, 26, 1638-1646. | 1.5 | 9 |
| 208 | Fuzzy Multiple Heuristic Orderings for Examination Timetabling. Lecture Notes in Computer Science, 2005, , 334-353. | 1.0 | 50 |
| 209 | FUZZY METHODS FOR MEDICAL DIAGNOSIS. Applied Artificial Intelligence, 2004, 19, 69-98. | 2.0 | 16 |
| 210 | Real-Time Correlation-Based Stereo Vision with Reduced Border Errors. International Journal of Computer Vision, 2002, 47, 229-246. | 10.9 | 359 |
| 211 | The fuzzy medical group in the centre for computational Intelligence. Artificial Intelligence in Medicine, 2001, 21, 163-170. | 3.8 | 7 |
| 212 | Receiver operating characteristic analysis for intelligent medical systems-a new approach for finding confidence intervals. IEEE Transactions on Biomedical Engineering, 2000, 47, 952-963. | 2.5 | 48 |
| 213 | Application of simulated annealing fuzzy model tuning to umbilical cord acid-base interpretation. IEEE Transactions on Fuzzy Systems, 1999, 7, 72-84. | 6.5 | 62 |
| 214 | The evaluation of an expert system for the analysis of umbilical cord blood. Artificial Intelligence in Medicine, 1999, 17, 109-130. | 3.8 | 24 |
| 215 | The development and implementation of an expert system for the analysis of umbilical cord blood. Artificial Intelligence in Medicine, 1997, 10, 129-144. | 3.8 | 21 |
| 216 | Umbilical cord blood gas analysis at the time of delivery. Midwifery, 1996, 12, 146-150. | 1.0 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Multicentre validation of an intelligent system for managing labour. Expert Systems With Applications, 1996, 11, 537-541. | 4.4 | 2 |
| 218 | A multicentre comparative study of 17 experts and an intelligent computer system for managing labour using the cardiotocogram. BJOG: an International Journal of Obstetrics and Gynaecology, 1995, 102, 688-700. | 1.1 | 129 |
| 219 | Umbilical cord blood gas analysis at delivery: a time for quality data. BJOG: an International Journal of Obstetrics and Gynaecology, 1994, 101, 1054-1063. | 1.1 | 195 |
| 220 | Novel Developments in Fuzzy Clustering for the Classification of Cancerous Cells Using FTIR Spectroscopy. , 0, , 405-425. | | 2 |
| 221 | A Data Mining Framework to Model Consumer Indebtedness with Psychological Factors. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 222 | Genetic Algorithm Seeding of Idiotypic Networks for Mobile-Robot Navigation. SSRN Electronic Journal, 0, , . | 0.4 | 5 |
| 223 | An Idiotypic Immune Network As a Short-Term Learning Architecture for Mobile Robots. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 224 | Mimicking the Behaviour of Idiotypic AIS Robot Controllers Using Probabilistic Systems. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 225 | The Use of Probabilistic Systems to Mimic the Behaviour of Idiotypic AIS Robot Controllers. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 226 | The Transfer of Evolved Artificial Immune System Behaviours between Small and Large Scale Robotic Platforms. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 227 | A Comparison of Non-Stationary, Type-2 and Dual Surface Fuzzy Control. SSRN Electronic Journal, 0, , . | 0.4 | 0 |