# Uwe Aickelin

## List of Publications by Year in Descending Order

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| 227 papers | 3,028 citations | 26 h-index | 47 g-index |
| 324 ext. papers | 3,814 ext. citations | 2.1 avg, IF | 5.44 L-index |

| # | Paper | IF | Citations |
|---|-------|-----|-----------|
| 227 | Multi-objective Semi-supervised clustering for finding predictive clusters. *Expert Systems With Applications*, **2022**, 195, 116551 | 7.8 | 0 |
| 226 | Shape and Size Optimization of Truss Structures by Chaos Game Optimization Considering Frequency Constraints. *Journal of Advanced Research*, **2022**, | 13 | 5 |
| 225 | Integration of fuzzy-weighted zero-inconsistency and fuzzy decision by opinion score methods under a q-rung orthopair environment: A distribution case study of COVID-19 vaccine doses. *Computer Standards and Interfaces*, **2022**, 80, 103572 | 3.5 | 17 |
| 224 | Untangling the Concept of Artificial Intelligence, Machine Learning, and Deep Learning **2022**, 3-21 | | 0 |
| 223 | Multi-perspectives systematic review on the applications of sentiment analysis for vaccine hesitancy. *Computers in Biology and Medicine*, **2021**, 139, 104957 | 7 | 6 |
| 222 | A hybrid medical text classification framework: Integrating attentive rule construction and neural network. *Neurocomputing*, **2021**, 443, 345-355 | 5.4 | 8 |
| 221 | A hybrid pricing and cutting approach for the multi-shift full truckload vehicle routing problem. *European Journal of Operational Research*, **2021**, 292, 500-514 | 5.6 | 2 |
| 220 | Primary Care Datasets for Early Lung Cancer Detection: An AI Led Approach. *Lecture Notes in Computer Science*, **2021**, 83-92 | 0.9 | 0 |
| 219 | On the Importance of Diversity in Re-Sampling for Imbalanced Data and Rare Events in Mortality Risk Models **2021**, | | 1 |
| 218 | A Review on Human-AI Interaction in Machine Learning and Insights for Medical Applications. *International Journal of Environmental Research and Public Health*, **2021**, 18, | 4.6 | 7 |
| 217 | Constructing classifiers for imbalanced data using diversity optimisation. *Information Sciences*, **2021**, 565, 1-16 | 7.7 | 4 |
| 216 | Novel dynamic fuzzy Decision-Making framework for COVID-19 vaccine dose recipients. *Journal of Advanced Research*, **2021**, | 13 | 11 |
| 215 | Based on T-spherical fuzzy environment: A combination of FWZIC and FDOSM for prioritising COVID-19 vaccine dose recipients. *Journal of Infection and Public Health*, **2021**, 14, 1513-1559 | 7.4 | 18 |
| 214 | A hybrid mathematical modelling approach for energy generation from hazardous waste during the COVID-19 pandemic. *Journal of Cleaner Production*, **2021**, 315, 128157 | 10.3 | 6 |
| 213 | A Robust Mathematical Model for Blood Supply Chain Network using Game Theory **2021**, | | 1 |
| 212 | Similarity measure for aggregated fuzzy numbers from interval-valued data. *Soft Computing Letters*, **2020**, 2, 100002 | 2 | 2 |
| 211 | Transfer Learning to Enhance Amenorrhea Status Prediction in Cancer and Fertility Data with Missing Values **2020**, 233-260 | | |

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| 210 | Uncertainty measures for probabilistic hesitant fuzzy sets in multiple criteria decision making. *International Journal of Intelligent Systems*, **2020**, 35, 1646-1679 | 8.4 | 9 |
| 209 | Multicriteria group decision-making under uncertainty using interval data and cloud models. *Journal of the Operational Research Society*, **2020**, 1-15 | 2 | 3 |
| 208 | Machine learning with incomplete datasets using multi-objective optimization models **2020**, | | 3 |
| 207 | Data-Driven Regular Expressions Evolution for Medical Text Classification Using Genetic Programming **2020**, | | 1 |
| 206 | Information-theoretic analysis for transfer learning **2020**, | | 3 |
| 205 | Multi-objective semi-supervised clustering to identify health service patterns for injured patients. *Health Information Science and Systems*, **2019**, 7, 18 | 5.1 | 2 |
| 204 | Predictors of Return to Work for Occupational Rehabilitation Users in Work-Related Injury Insurance Claims: Insights from Mental Health. *Journal of Occupational Rehabilitation*, **2019**, 29, 740-753 | 3.6 | 2 |
| 203 | Regular Expression Based Medical Text Classification Using Constructive Heuristic Approach. *IEEE Access*, **2019**, 7, 147892-147904 | 3.5 | 9 |
| 202 | Imputation techniques on missing values in breast cancer treatment and fertility data. *Health Information Science and Systems*, **2019**, 7, 19 | 5.1 | 8 |
| 201 | Early Identification of Undesirable Outcomes for Transport Accident Injured Patients Using Semi-Supervised Clustering. *Studies in Health Technology and Informatics*, **2019**, 266, 1-6 | 0.5 | 1 |
| 200 | Using simulation to incorporate dynamic criteria into multiple criteria decision-making. *Journal of the Operational Research Society*, **2018**, 69, 1021-1032 | 2 | 6 |
| 199 | Measuring Behavioural Change of Players in Public Goods Game. *Studies in Computational Intelligence*, **2018**, 242-263 | 0.8 | |
| 198 | Measuring Players Behaviour Change over Time in Public Goods Game. *Lecture Notes in Networks and Systems*, **2018**, 1039-1052 | 0.5 | |
| 197 | CRNN: A Joint Neural Network for Redundancy Detection **2017**, | | 11 |
| 196 | Novel similarity measure for interval-valued data based on overlapping ratio **2017**, | | 14 |
| 195 | THCluster: Herb supplements categorization for precision traditional Chinese medicine **2017**, | | 6 |
| 194 | Modelling cyber-security experts' decision making processes using aggregation operators. *Computers and Security*, **2016**, 62, 229-245 | 4.9 | 9 |
| 193 | Exploring differences in interpretation of words essential in medical expert-patient communication **2016**, | | 5 |

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| 192 | Refining adverse drug reaction signals by incorporating interaction variables identified using emergent pattern mining. *Computers in Biology and Medicine*, **2016**, 69, 61-70 | 7 | 7 |
| 191 | Supervised Anomaly Detection in Uncertain Pseudoperiodic Data Streams. *ACM Transactions on Internet Technology*, **2016**, 16, 1-20 | 3.8 | 52 |
| 190 | Simulating user learning in authoritative technology adoption: An agent based model for council-led smart meter deployment planning in the UK. *Technological Forecasting and Social Change*, **2016**, 106, 74-84 | 9.5 | 15 |
| 189 | CRNN: A Joint Neural Network for Redundancy Detection. *SSRN Electronic Journal*, **2016**, | 1 | 2 |
| 188 | Measuring agreement on linguistic expressions in medical treatment scenarios **2016**, | | 3 |
| 187 | A supervised adverse drug reaction signalling framework imitating Bradford Hill's causality considerations. *Journal of Biomedical Informatics*, **2015**, 56, 356-68 | 10.2 | 12 |
| 186 | Indebted Households Profiling: A Knowledge Discovery from Database Approach. *Annals of Data Science*, **2015**, 2, 43-59 | 1.6 | 2 |
| 185 | An ensemble of machine learning and anti-learning methods for predicting tumour patient survival rates **2015**, | | 1 |
| 184 | Juxtaposition of system dynamics and agent-based simulation for a case study in immunosenescence. *PLoS ONE*, **2015**, 10, e0118359 | 3.7 | 4 |
| 183 | Identifying Candidate Risk Factors for Prescription Drug Side Effects Using Causal Contrast Set Mining. *Lecture Notes in Computer Science*, **2015**, 45-55 | 0.9 | 1 |
| 182 | Feature Selection in Detection of Adverse Drug Reactions from the Health Improvement Network (THIN) Database. *International Journal of Information Technology and Computer Science*, **2015**, 7, 68-85 | 1.4 | 2 |
| 181 | Signalling paediatric side effects using an ensemble of simple study designs. *Drug Safety*, **2014**, 37, 163-70 | 5.1 | 7 |
| 180 | Comparison of Distance metrics for hierarchical data in medical databases **2014**, | | 3 |
| 179 | A novel semisupervised algorithm for rare prescription side effect discovery. *IEEE Journal of Biomedical and Health Informatics*, **2014**, 18, 537-47 | 7.2 | 4 |
| 178 | Refining Adverse Drug Reactions Using Association Rule Mining for Electronic Healthcare Data. *SSRN Electronic Journal*, **2014**, | 1 | 2 |
| 177 | A Data Mining Framework to Model Consumer Indebtedness with Psychological Factors. *SSRN Electronic Journal*, **2014**, | 1 | 1 |
| 176 | Data classification using the Dempster–Shafer method. *Journal of Experimental and Theoretical Artificial Intelligence*, **2014**, 26, 493-517 | 2 | 25 |
| 175 | Personalising Mobile Advertising Based on Users' Installed Apps **2014**, | | 2 |

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| 174 | Refining Adverse Drug Reactions Using Association Rule Mining for Electronic Healthcare Data **2014**, | | 4 |
| 173 | Artificial Immune Systems **2014**, 187-211 | | 28 |
| 172 | A fuzzy directional distance measure **2014**, | | 2 |
| 171 | Analysing fuzzy sets through combining measures of similarity and distance **2014**, | | 9 |
| 170 | Comparing stochastic differential equations and agent-based modelling and simulation for early-stage cancer. *PLoS ONE*, **2014**, 9, e95150 | 3.7 | 38 |
| 169 | Variability of Behaviour in Electricity Load Profile Clustering; Who Does Things at the Same Time Each Day?. *Lecture Notes in Computer Science*, **2014**, 70-84 | 0.9 | 5 |
| 168 | Investigating mathematical models of immuno-interactions with early-stage cancer under an agent-based modelling perspective. *BMC Bioinformatics*, **2013**, 14 Suppl 6, S6 | 3.6 | 11 |
| 167 | Comparison of algorithms that detect drug side effects using electronic healthcare databases. *Soft Computing*, **2013**, 17, 2381-2397 | 3.5 | 12 |
| 166 | Ensemble learning of colorectal cancer survival rates **2013**, | | 2 |
| 165 | **2013**, | | 8 |
| 164 | Theoretical formulation and analysis of the deterministic dendritic cell algorithm. *BioSystems*, **2013**, 111, 127-35 | 1.9 | 23 |
| 163 | Wavelet feature extraction and genetic algorithm for biomarker detection in colorectal cancer data. *Knowledge-Based Systems*, **2013**, 37, 502-514 | 7.3 | 23 |
| 162 | Extending similarity measures of interval type-2 fuzzy sets to general type-2 fuzzy sets **2013**, | | 14 |
| 161 | Attributes for causal inference in electronic healthcare databases **2013**, | | 2 |
| 160 | Investigating Mathematical Models of Immuno-Interactions with Early-Stage Cancer under an Agent-Based Modelling Perspective. *SSRN Electronic Journal*, **2013**, | 1 | 1 |
| 159 | Towards a More Systematic Approach to Secure Systems Design and Analysis. *International Journal of Secure Software Engineering*, **2013**, 4, 11-30 | | 6 |
| 158 | Privileged information for data clustering. *Information Sciences*, **2012**, 194, 4-23 | 7.7 | 41 |
| 157 | Validation of a microsimulation of the Port of Dover. *Journal of Computational Science*, **2012**, 3, 56-66 | 3.4 | 6 |

| 156 | Supervised learning and anti-learning of colorectal cancer classes and survival rates from cellular biology parameters **2012**, | | 5 |
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| 155 | Discovering sequential patterns in a UK general practice database **2012**, | | 7 |
| 154 | Comparing data-mining algorithms developed for longitudinal observational databases **2012**, | | 2 |
| 153 | Detect adverse drug reactions for drug Pioglitazone **2012**, | | 1 |
| 152 | A three-dimensional model of residential energy consumer archetypes for local energy policy design in the UK. *Energy Policy*, **2012**, 47, 102-110 | 7.2 | 36 |
| 151 | An Approach for Assessing Clustering of Households by Electricity Usage. *SSRN Electronic Journal*, **2012**, | 1 | 3 |
| 150 | An investigation into the relationship between type-2 FOU size and environmental uncertainty in robotic control **2012**, | | 4 |
| 149 | The Dendritic Cell Algorithm for Intrusion Detection **2012**, 84-102 | | 7 |
| 148 | Investigating the Effectiveness of Variance Reduction Techniques in Manufacturing, Call Center and Cross-Docking Discrete Event Simulation Models **2012**, 1-26 | | 1 |
| 147 | A Beginner's Guide to Systems Simulation in Immunology. *Lecture Notes in Computer Science*, **2012**, 57-71 | 0.9 | |
| 146 | The Application of a Data Mining Framework to Energy Usage Profiling in Domestic Residences Using UK Data. *SSRN Electronic Journal*, **2011**, | 1 | 7 |
| 145 | Application of a Clustering Framework to UK Domestic Electricity Data. *SSRN Electronic Journal*, **2011**, | 1 | 5 |
| 144 | Comparing Decision Support Tools for Cargo Screening Processes. *SSRN Electronic Journal*, **2011**, | 1 | 2 |
| 143 | Heuristic optimisation. *Journal of the Operational Research Society*, **2011**, 62, 251-252 | 2 | 10 |
| 142 | Towards the development of a simulator for investigating the impact of people management practices on retail performance. *Journal of Simulation*, **2011**, 5, 247-265 | 1.9 | 7 |
| 141 | Motif detection inspired by immune memory. *Journal of the Operational Research Society*, **2011**, 62, 253-265 | 2 | 1 |
| 140 | Modelling electricity consumption in office buildings: An agent based approach. *Energy and Buildings*, **2011**, 43, 2882-2892 | 7 | 73 |
| 139 | A comparison of non-stationary, type-2 and dual surface fuzzy control **2011**, | | 3 |

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| 138 | A First Approach on Modelling Staff Proactiveness in Retail Simulation Models. *Jasss*, **2011**, 14, | 4.8 | 10 |
| 137 | Systems Dynamics or Agent-Based Modelling for Immune Simulation?. *Lecture Notes in Computer Science*, **2011**, 81-94 | 0.9 | 3 |
| 136 | Quiet in Class: Classification, Noise and the Dendritic Cell Algorithm. *Lecture Notes in Computer Science*, **2011**, 173-186 | 0.9 | 8 |
| 135 | Simulating the Dynamics of T Cell Subsets throughout the Lifetime. *Lecture Notes in Computer Science*, **2011**, 71-76 | 0.9 | |
| 134 | Investigating Immune System Aging: System Dynamics and Agent-Based Modeling. *SSRN Electronic Journal*, **2010**, | 1 | 3 |
| 133 | Information Fusion for Anomaly Detection with the Dendritic Cell Algorithm. *SSRN Electronic Journal*, **2010**, | 1 | 1 |
| 132 | An Audio CAPTCHA to Distinguish Humans from Computers **2010**, | | 21 |
| 131 | Behavioural Correlation for Detecting P2P Bots **2010**, | | 2 |
| 130 | Simulating Customer Experience and Word-Of-Mouth in Retail  A Case Study. *Simulation*, **2010**, 86, 5-30 | 1.2 | 4 |
| 129 | The effect of baroque music on the PassPoints graphical password **2010**, | | 2 |
| 128 | Artificial Immune Systems. *Profiles in Operations Research*, **2010**, 421-448 | 1 | 23 |
| 127 | Against Spyware Using CAPTCHA in Graphical Password Scheme **2010**, | | 14 |
| 126 | A New Graphical Password Scheme Resistant to Shoulder-Surfing **2010**, | | 17 |
| 125 | Information fusion for anomaly detection with the dendritic cell algorithm. *Information Fusion*, **2010**, 11, 21-34 | 16.7 | 77 |
| 124 | Information fusion in the immune system. *Information Fusion*, **2010**, 11, 35-44 | 16.7 | 22 |
| 123 | Two-timescale learning using idiotypic behaviour mediation for a navigating mobile robot. *Applied Soft Computing Journal*, **2010**, 10, 876-887 | 7.5 | 8 |
| 122 | Real-world transfer of evolved artificial immune system behaviours between small and large scale robotic platforms. *Evolutionary Intelligence*, **2010**, 3, 123-136 | 1.7 | 2 |
| 121 | Tailored RF pulse for magnetization inversion at ultrahigh field. *Magnetic Resonance in Medicine*, **2010**, 63, 51-8 | 4.4 | 99 |

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| 120 | Defining a Simulation Strategy for Cancer Immunocompetence. *Lecture Notes in Computer Science*, **2010**, 4-17 | 0.9 | 0 |
| 119 | The Transfer of Evolved Artificial Immune System Behaviours between Small and Large Scale Robotic Platforms. *Lecture Notes in Computer Science*, **2010**, 122-133 | 0.9 | 1 |
| 118 | Can Background Baroque Music Help to Improve the Memorability of Graphical Passwords?. *Lecture Notes in Computer Science*, **2010**, 378-387 | 0.9 | 2 |
| 117 | Comparing Simulation Output Accuracy of Discrete Event and Agent Based Models: A Quantitative Approach. *SSRN Electronic Journal*, **2009**, | 1 | 8 |
| 116 | Integrating real-time analysis with the dendritic cell algorithm through segmentation **2009**, | | 13 |
| 115 | . *IEEE Transactions on Evolutionary Computation*, **2009**, 13, 433-443 | 15.6 | 34 |
| 114 | A Component-Based Heuristic Search Method with Evolutionary Eliminations for Hospital Personnel Scheduling. *INFORMS Journal on Computing*, **2009**, 21, 468-479 | 2.4 | 9 |
| 113 | Modelling and simulating retail management practices: a first approach. *International Journal of Simulation and Process Modelling*, **2009**, 5, 215 | 0.4 | 9 |
| 112 | Artificial Dendritic Cells: Multi-faceted Perspectives. *Studies in Computational Intelligence*, **2009**, 375-395 | 0.8 | 12 |
| 111 | Exploration of the Dendritic Cell Algorithm Using the Duration Calculus. *Lecture Notes in Computer Science*, **2009**, 54-66 | 0.9 | 2 |
| 110 | STORM - A Novel Information Fusion and Cluster Interpretation Technique. *Lecture Notes in Computer Science*, **2009**, 208-218 | 0.9 | |
| 109 | Parcellation of fMRI datasets with ICA and PLS--a data driven approach. *Lecture Notes in Computer Science*, **2009**, 12, 984-91 | 0.9 | 2 |
| 108 | DCA for bot detection **2008**, | | 35 |
| 107 | Detecting Bots Based on Keylogging Activities **2008**, | | 11 |
| 106 | Further Exploration of the Dendritic Cell Algorithm: Antigen Multiplier and Time Windows. *Lecture Notes in Computer Science*, **2008**, 142-153 | 0.9 | 22 |
| 105 | The Deterministic Dendritic Cell Algorithm. *Lecture Notes in Computer Science*, **2008**, 291-302 | 0.9 | 62 |
| 104 | The DCA: Some Comparison a Comparative Study between Two Biologically-Inspired Algorithms. *SSRN Electronic Journal*, **2008**, | 1 | 2 |
| 103 | Detecting Danger: The Dendritic Cell Algorithm. *SSRN Electronic Journal*, **2008**, | 1 | 5 |

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| 102 | Optimisation of a Crossdocking Distribution Centre Simulation Model. *SSRN Electronic Journal*, **2008**, | 1 | 2 |
| 101 | The Deterministic Dendritic Cell Algorithm. *SSRN Electronic Journal*, **2008**, | 1 | 17 |
| 100 | The motif tracking algorithm. *International Journal of Automation and Computing*, **2008**, 5, 32-44 | 3.5 | 17 |
| 99 | The DCA: SOMe comparison. *Evolutionary Intelligence*, **2008**, 1, 85-112 | 1.7 | 28 |
| 98 | Introduction to Multi-Agent Simulation **2008**, 554-564 | | 14 |
| 97 | Multi-Agent Simulation and Management Practices **2008**, 645-652 | | 0 |
| 96 | Detecting Danger: The Dendritic Cell Algorithm **2008**, 89-112 | | 21 |
| 95 | An Idiotypic Immune Network as a Short-Term Learning Architecture for Mobile Robots. *Lecture Notes in Computer Science*, **2008**, 266-278 | 0.9 | 8 |
| 94 | Real-Time Alert Correlation with Type Graphs. *Lecture Notes in Computer Science*, **2008**, 173-187 | 0.9 | 7 |
| 93 | An Agent-Based Classification Model. *SSRN Electronic Journal*, **2007**, | 1 | 4 |
| 92 | The Application of a Dendritic Cell Algorithm to a Robotic Classifier. *SSRN Electronic Journal*, **2007**, | 1 | 1 |
| 91 | An Estimation of Distribution Algorithm with Intelligent Local Search for Rule-based Nurse Rostering. *SSRN Electronic Journal*, **2007**, | 1 | 1 |
| 90 | Sensing danger: Innate immunology for intrusion detection. *Information Security Technical Report*, **2007**, 12, 218-227 | | 23 |
| 89 | Immune system approaches to intrusion detection a review. *Natural Computing*, **2007**, 6, 413-466 | 1.3 | 163 |
| 88 | An estimation of distribution algorithm for nurse scheduling. *Annals of Operations Research*, **2007**, 155, 289-309 | 3.2 | 47 |
| 87 | Rule generalisation in intrusion detection systems using SNORT. *International Journal of Electronic Security and Digital Forensics*, **2007**, 1, 101 | 1 | 13 |
| 86 | An estimation of distribution algorithm with intelligent local search for rule-based nurse rostering. *Journal of the Operational Research Society*, **2007**, 58, 1574-1585 | 2 | 57 |
| 85 | Dendritic cells for SYN scan detection **2007**, | | 28 |

| 84 | **2007**, | | 9 |
|---|---|---|---|
| 83 | Idiotypic immune networks in mobile-robot control. *IEEE Transactions on Systems, Man, and Cybernetics*, **2007**, 37, 1581-98 | | 40 |
| 82 | Investigating a Hybrid Metaheuristic for Job Shop Rescheduling **2007**, 357-368 | | |
| 81 | The Application of a Dendritic Cell Algorithm to a Robotic Classifier. *Lecture Notes in Computer Science*, **2007**, 204-215 | 0.9 | 26 |
| 80 | Motif Detection Inspired by Immune Memory. *Lecture Notes in Computer Science*, **2007**, 276-287 | 0.9 | 4 |
| 79 | Biological Inspiration for Artificial Immune Systems. *Lecture Notes in Computer Science*, **2007**, 300-311 | 0.9 | 7 |
| 78 | Detecting Motifs in System Call Sequences. *Lecture Notes in Computer Science*, **2007**, 157-172 | 0.9 | 3 |
| 77 | Articulation and Clarification of the Dendritic Cell Algorithm. *Lecture Notes in Computer Science*, **2006**, 404-417 | 0.9 | 66 |
| 76 | Simulation Optimization of the Crossdock Door Assignment Problem. *SSRN Electronic Journal*, **2006**, | 1 | 4 |
| 75 | Detecting Botnets Through Log Correlation. *SSRN Electronic Journal*, **2006**, | 1 | 4 |
| 74 | BOA for Nurse Scheduling. *Studies in Computational Intelligence*, **2006**, 315-332 | 0.8 | 11 |
| 73 | Integrating Innate and Adaptive Immunity for Intrusion Detection. *Lecture Notes in Computer Science*, **2006**, 193-202 | 0.9 | 3 |
| 72 | Price Trackers Inspired by Immune Memory. *Lecture Notes in Computer Science*, **2006**, 362-375 | 0.9 | 4 |
| 71 | Improved Squeaky Wheel Optimisation for Driver Scheduling. *Lecture Notes in Computer Science*, **2006**, 182-191 | 0.9 | 11 |
| 70 | Introducing Dendritic Cells as a Novel Immune-Inspired Algorithm for Anomaly Detection. *Lecture Notes in Computer Science*, **2005**, 153-167 | 0.9 | 149 |
| 69 | A Recommender System based on Idiotypic Artificial Immune Networks. *Mathematical Modelling and Algorithms*, **2005**, 4, 181-198 | | 20 |
| 68 | Introducing Dendritic Cells as a Novel Immune-Inspired Algorithm for Anomaly Detection. *SSRN Electronic Journal*, **2005**, | 1 | 10 |
| 67 | Artificial Immune Systems **2005**, 375-399 | | 19 |

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| 66 | Cooperative Automated Worm Response and Detection ImmuNe ALgorithm(CARDINAL) Inspired by T-Cell Immunity and Tolerance. *Lecture Notes in Computer Science*, **2005**, 168-181 | 0.9 | 23 |
| 65 | Towards a Conceptual Framework for Innate Immunity. *Lecture Notes in Computer Science*, **2005**, 112-125 | 0.9 | 30 |
| 64 | Danger Theory: The Link between AIS and IDS?. *SSRN Electronic Journal*, **2004**, | 1 | 6 |
| 63 | Detecting Danger: Applying a Novel Immunological Concept to Intrusion Detection Systems. *SSRN Electronic Journal*, **2004**, | 1 | 4 |
| 62 | On Affinity Measures for Artificial Immune System Movie Recommenders. *SSRN Electronic Journal*, **2004**, | 1 | 6 |
| 61 | Immune System Approaches to Intrusion Detection - A Review. *SSRN Electronic Journal*, **2004**, | 1 | 1 |
| 60 | The Application of Bayesian Optimization and Classifier Systems in Nurse Scheduling. *Lecture Notes in Computer Science*, **2004**, 581-590 | 0.9 | 10 |
| 59 | Immune System Approaches to Intrusion Detection A Review. *Lecture Notes in Computer Science*, **2004**, 316-329 | 0.9 | 66 |
| 58 | Building Better Nurse Scheduling Algorithms. *Annals of Operations Research*, **2004**, 128, 159-177 | 3.2 | 55 |
| 57 | An indirect Genetic Algorithm for a nurse-scheduling problem. *Computers and Operations Research*, **2004**, 31, 761-778 | 4.6 | 189 |
| 56 | The Danger Theory and its Application to Artificial Immune Systems. *SSRN Electronic Journal*, **2002**, | 1 | 78 |
| 55 | Enhanced Direct and Indirect Genetic Algorithm Approaches for a Mall Layout and Tenant Selection Problem. *Journal of Heuristics*, **2002**, 8, 503-514 | 1.9 | 6 |
| 54 | An indirect genetic algorithm for set covering problems. *Journal of the Operational Research Society* , **2002**, 53, 1118-1126 | 2 | 77 |
| 53 | Exploiting problem structure in a genetic algorithm approach to a nurse rostering problem. *Journal of Scheduling*, **2000**, 3, 139-153 | 1.6 | 127 |
| 52 | libtissue - implementing innate immunity | | 26 |
| 51 | A Bayesian optimization algorithm for the nurse scheduling problem | | 1 |
| 50 | A recommender system based on the immune network | | 17 |
| 49 | Refining Adverse Drug Reaction Signals by Incorporating Interaction Variables Identified Using Emergent Pattern Mining. *SSRN Electronic Journal*, | 1 | 1 |

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| 48 | Evaluating Different Cost-Benefit Analysis Methods for Port Security Operations. *SSRN Electronic Journal*, | 1 | 1 |
| 47 | An Immune Inspired Approach to Anomaly Detection. *SSRN Electronic Journal*, | 1 | 2 |
| 46 | Finding the Creatures of Habit; Clustering Households Based on Their Flexibility in Using Electricity. *SSRN Electronic Journal*, | 1 | 5 |
| 45 | Comparing System Dynamics and Agent-Based Simulation for Tumour Growth and Its Interactions with Effector Cells. *SSRN Electronic Journal*, | 1 | 2 |
| 44 | Behavioural Correlation for Detecting P2P Bots. *SSRN Electronic Journal*, | 1 | 4 |
| 43 | Modelling Office Energy Consumption: An Agent Based Approach. *SSRN Electronic Journal*, | 1 | 2 |
| 42 | PCA 4 DCA: The Application of Principal Component Analysis to the Dendritic Cell Algorithm. *SSRN Electronic Journal*, | 1 | 11 |
| 41 | An Agent-Based Simulation of In-Store Customer Experience. *SSRN Electronic Journal*, | 1 | 2 |
| 40 | DCA for Bot Detection. *SSRN Electronic Journal*, | 1 | 2 |
| 39 | Detecting Bots Based on Keylogging Activities. *SSRN Electronic Journal*, | 1 | 3 |
| 38 | An Investigation of Sequential Sampling Method for Crossdocking Simulation Output Variance Reduction. *SSRN Electronic Journal*, | 1 | 2 |
| 37 | Genetic Algorithm Seeding of Idiotypic Networks for Mobile-Robot Navigation. *SSRN Electronic Journal*, | 1 | 3 |
| 36 | A Multi-Agent Simulation of Retail Management Practices. *SSRN Electronic Journal*, | 1 | 5 |
| 35 | Dendritic Cells for SYN Scan Detection. *SSRN Electronic Journal*, | 1 | 5 |
| 34 | An Immune Inspired Network Intrusion Detection System Utilising Correlation Context. *SSRN Electronic Journal*, | 1 | 1 |
| 33 | Anomaly Detection Using the Dempster-Shafer Method. *SSRN Electronic Journal*, | 1 | 7 |
| 32 | Articulation and Clarification of the Dendritic Cell Algorithm. *SSRN Electronic Journal*, | 1 | 2 |
| 31 | Artificial Immune Tissue Using Self-Organizing Networks. *SSRN Electronic Journal*, | 1 | 1 |

| 12 | Teaching Key Machine Learning Principles Using Anti-Learning Datasets. *SSRN Electronic Journal*, | 1 | 1 |
| 11 | Genetic Algorithms for Multiple-Choice Optimisation Problems. *SSRN Electronic Journal*, | 1 | 2 |
| 10 | Modelling Reactive and Proactive Behaviour in Simulation. *SSRN Electronic Journal*, | 1 | 2 |
| 9 | Detecting Anomalous Process Behaviour Using Second Generation Artificial Immune Systems. *SSRN Electronic Journal*, | 1 | 2 |
| 8 | A First Approach on Modelling Staff Proactiveness in Retail Simulation Models. *SSRN Electronic Journal*, | 1 | 1 |
| 7 | Simulating the Dynamics of T Cell Subsets Throughout the Lifetime. *SSRN Electronic Journal*, | 1 | 1 |
| 6 | Systems Dynamics or Agent-Based Modelling for Immune Simulation?. *SSRN Electronic Journal*, | 1 | 1 |
| 5 | Biomarker Clustering of Colorectal Cancer Data to Complement Clinical Classification. *SSRN Electronic Journal*, | 1 | 1 |
| 4 | Using Clustering to Extract Personality Information from Socio Economic Data. *SSRN Electronic Journal*, | 1 | 1 |
| 3 | Performance Measurement Under Increasing Environmental Uncertainty in the Context of Interval Type-2 Fuzzy Logic Based Robotic Sailing. *SSRN Electronic Journal*, | 1 | 1 |
| 2 | Based on neutrosophic fuzzy environment: a new development of FWZIC and FDOSM for benchmarking smart e-tourism applications. *Complex & Intelligent Systems*,1 | 7.1 | 3 |
| 1 | A hybrid projection method for resource-constrained project scheduling problem under uncertainty. *Neural Computing and Applications*,1 | 4.8 | 0 |