# Andrea G B Tettamanzi

List of Publications by Year
in descending order

| 120 papers | 1,085 citations | 566801 15 h-index | 580395 25 g-index |
|---|---|---|---|
| 132 all docs | 132 docs citations | 132 times ranked | 772 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Measuring Clusters of Labels in an Embedding Space to Refine Relations in Ontology Alignment. Journal on Data Semantics, 2021, 10, 399. | 2.0 | 1 |
| 2 | Using Grammar-Based Genetic Programming for Mining Subsumption Axioms Involving Complex Class Expressions. , 2021, , . | | 1 |
| 3 | Grammatical Evolution to Mine OWL Disjointness Axioms Involving Complex Concept Expressions. , 2020, , . | | 2 |
| 4 | Classifying Candidate Axioms via Dimensionality Reduction Techniques. Lecture Notes in Computer Science, 2020, , 179-191. | 1.0 | 0 |
| 5 | Using Grammar-Based Genetic Programming for Mining Disjointness Axioms Involving Complex Class Expressions. Lecture Notes in Computer Science, 2020, , 18-32. | 1.0 | 3 |
| 6 | A Multi-Objective Evolutionary Approach to Class Disjointness Axiom Discovery. , 2020, , . | | 0 |
| 7 | Task-Oriented Uncertainty Evaluation for Linked Data Based on Graph Interlinks. Lecture Notes in Computer Science, 2020, , 204-215. | 1.0 | 0 |
| 8 | Possibilistic Estimation of Distributions to Leverage Sparse Data in Machine Learning. Communications in Computer and Information Science, 2020, , 431-444. | 0.4 | 0 |
| 9 | Learning Class Disjointness Axioms Using Grammatical Evolution. Lecture Notes in Computer Science, 2019, , 278-294. | 1.0 | 9 |
| 10 | A Machine Learning Approach to Study the Relationship between Features of the Urban Environment and Street Value. Urban Science, 2019, 3, 100. | 1.1 | 4 |
| 11 | An Ontology Alignment Approach Combining Word Embedding and the Radius Measure. Lecture Notes in Computer Science, 2019, , 191-197. | 1.0 | 4 |
| 12 | Publishing Uncertainty on the Semantic Web: Blurring the LOD Bubbles. Lecture Notes in Computer Science, 2019, , 42-56. | 1.0 | 1 |
| 13 | An Evolutionary Approach to Class Disjointness Axiom Discovery. , 2019, , . | | 6 |
| 14 | Combining argumentation and aspect-based opinion mining: The SMACk system1. AI Communications, 2018, 31, 75-95. | 0.8 | 23 |
| 15 | Predicting the possibilistic score of OWL axioms through modified support vector clustering. , 2018, , . | | 7 |
| 16 | Comparing Rule Evaluation Metrics for the Evolutionary Discovery of Multi-relational Association Rules in the Semantic Web. Lecture Notes in Computer Science, 2018, , 289-305. | 1.0 | 5 |
| 17 | Predicting the Possibilistic Score of OWL Axioms Through Support Vector Regression. Lecture Notes in Computer Science, 2018, , 380-386. | 1.0 | 0 |
| 18 | Uncertain logical gates in possibilistic networks: Theory and application to human geography. International Journal of Approximate Reasoning, 2017, 82, 101-118. | 1.9 | 8 |

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| 19 | Possibilistic testing of OWL axioms against RDF data. International Journal of Approximate Reasoning, 2017, 91, 114-130. | 1.9 | 15 |
| 20 | An evolutionary algorithm for discovering multi-relational association rules in the semantic web. , 2017, , . | | 4 |
| 21 | Combining fuzzy logic and formal argumentation for legal interpretation. , 2017, , . | | 4 |
| 22 | Handling Topical Metadata Regarding the Validity and Completeness of Multiple-Source Information: A Possibilistic Approach. Lecture Notes in Computer Science, 2017, , 363-376. | 1.0 | 2 |
| 23 | Multiple Bayesian Models for the Sustainable City: The Case of Urban Sprawl. Lecture Notes in Computer Science, 2017, , 392-407. | 1.0 | 0 |
| 24 | An Agent-Based Architecture for Personalized Recommendations. Lecture Notes in Computer Science, 2017, , 96-113. | 1.0 | 0 |
| 25 | A new urban segregation-growth coupled model using a belief-desire-intention possibilistic framework. , 2017, , . | | 0 |
| 26 | A Multi-context BDI Recommender System: From Theory to Simulation. , 2016, , . | | 1 |
| 27 | A Belief-Based Approach to Measuring Message Acceptability. Lecture Notes in Computer Science, 2016, , 140-154. | 1.0 | 0 |
| 28 | Ontology enrichment by discovering multi-relational association rules from ontological knowledge bases. , 2016, , . | | 18 |
| 29 | Fuzzy Labeling for Abstract Argumentation: An Empirical Evaluation. Lecture Notes in Computer Science, 2016, , 126-139. | 1.0 | 2 |
| 30 | Evolutionary Discovery of Multi-relational Association Rules from Ontological Knowledge Bases. Lecture Notes in Computer Science, 2016, , 113-128. | 1.0 | 11 |
| 31 | A Multi-context Framework for Modeling an Agent-based Recommender System. , 2016, , . | | 1 |
| 32 | Dynamically Time-Capped Possibilistic Testing of SubClassOf Axioms Against RDF Data to Enrich Schemas. , 2015, , . | | 6 |
| 33 | Answering N-Relation Natural Language Questions in the Commercial Domain. , 2015, , . | | 0 |
| 34 | Propagating and Aggregating Fuzzy Polarities for Concept-Level Sentiment Analysis. Cognitive Computation, 2015, 7, 186-197. | 3.6 | 58 |
| 35 | Uncertain Logical Gates in Possibilistic Networks. An Application to Human Geography. Lecture Notes in Computer Science, 2015, , 249-263. | 1.0 | 5 |
| 36 | Testing Carlo Cipolla's Laws of Human Stupidity with Agent-Based Modeling. , 2014, , . | | 3 |

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| 37 | A syntactic possibilistic belief change operator: Theory and empirical study. Web Intelligence and Agent Systems, 2014, 12, 155-169. | 0.4 | 1 |
| 38 | SimBa: A novel similarity-based crossover for neuro-evolution. Neurocomputing, 2014, 130, 108-122. | 3.5 | 4 |
| 39 | Challenges in Bridging Social Semantics and Formal Semantics on the Web. Lecture Notes in Business Information Processing, 2014, , 3-15. | 0.8 | 2 |
| 40 | A Fuzzy System for Concept-Level Sentiment Analysis. Communications in Computer and Information Science, 2014, , 21-27. | 0.4 | 35 |
| 41 | Testing OWL Axioms against RDF Facts: A Possibilistic Approach. Lecture Notes in Computer Science, 2014, , 519-530. | 1.0 | 6 |
| 42 | A Neuro-Evolutionary Approach to Electrocardiographic Signal Classification. , 2014, , 193-207. | | 1 |
| 43 | The BioKET Biodiversity Data Warehouse: Data and Knowledge Integration and Extraction. Lecture Notes in Computer Science, 2014, , 131-142. | 1.0 | 1 |
| 44 | Trusting the messenger because of the message: feedback dynamics from information quality to source evaluation. Computational and Mathematical Organization Theory, 2013, 20, 176. | 1.5 | 7 |
| 45 | Using trust and possibilistic reasoning to deal with untrustworthy communication in VANETs. , 2013, , . | | 6 |
| 46 | A Neuro-Evolutionary Corpus-Based Method for Word Sense Disambiguation. IEEE Intelligent Systems, 2012, 27, 26-35. | 4.0 | 3 |
| 47 | A Neuro-evolutionary Approach to Intraday Financial Modeling. Lecture Notes in Computer Science, 2012, , 155-164. | 1.0 | 1 |
| 48 | A conceptual representation of documents and queries for information retrieval systems by using light ontologies. Expert Systems With Applications, 2012, 39, 10376-10388. | 4.4 | 26 |
| 49 | Electrocardiographic Signal Classification with Evolutionary Artificial Neural Networks. Lecture Notes in Computer Science, 2012, , 295-304. | 1.0 | 2 |
| 50 | SimBa-2: Improving a novel similarity-based crossover for the evolution of artificial neural networks. , 2011, , . | | 3 |
| 51 | A Comparison between Nature-Inspired and Machine Learning Approaches to Detecting Trend Reversals in Financial Time Series. Studies in Computational Intelligence, 2011, , 39-59. | 0.7 | 1 |
| 52 | Computational Protein Design and Large-Scale Assessment by I-TASSER Structure Assembly Simulations. Journal of Molecular Biology, 2011, 407, 764-776. | 2.0 | 34 |
| 53 | A multi-objective memetic algorithm for the linguistic summarization of time series. , 2011, , . | | 5 |
| 54 | Coastal current prediction using CMA evolution strategies. , 2011, , . | | 1 |

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| 55 | Comparing paired comparison-based interactive DE and tournament interactive GA on stained glass design. , 2011, , . | | 1 |
| 56 | QoS-based service optimization using differential evolution. , 2011, , . | | 14 |
| 57 | Evolutionary ANNs: A state of the art survey. Intelligenza Artificiale, 2011, 5, 19-35. | 1.0 | 22 |
| 58 | Graded Reinstatement in Belief Revision. , 2011, , . | | 0 |
| 59 | A Syntactic Possibilistic Belief Change Operator for Cognitive Agents. , 2011, , . | | 1 |
| 60 | Linguistic Summarization of Time Series Data using Genetic Algorithms. , 2011, , . | | 16 |
| 61 | Using Evolutionary Neural Networks to Test the Influence of the Choice of Numeraire on Financial Time Series Modeling. Lecture Notes in Computer Science, 2011, , 81-90. | 1.0 | 1 |
| 62 | A Part-Of-Speech Lexicographic Encoding for an Evolutionary Word Sense Disambiguation Approach. Lecture Notes in Computer Science, 2011, , 244-253. | 1.0 | 0 |
| 63 | Concave type-2 fuzzy sets: properties and operations. Soft Computing, 2010, 14, 749-756. | 2.1 | 29 |
| 64 | The role of goals in belief selection. Logic Journal of the IGPL, 2010, 18, 559-578. | 1.3 | 3 |
| 65 | A Study of Nature-Inspired Methods for Financial Trend Reversal Detection. Lecture Notes in Computer Science, 2010, , 161-170. | 1.0 | 2 |
| 66 | An Ontological Representation of Documents and Queries for Information Retrieval Systems. Lecture Notes in Computer Science, 2010, , 555-564. | 1.0 | 13 |
| 67 | A Novel Similarity-Based Crossover for Artificial Neural Network Evolution. , 2010, , 344-353. | | 12 |
| 68 | Fuzzyâ€"Evolutionary Modeling of Customer Behavior for Business Intelligence. Studies in Fuzziness and Soft Computing, 2010, , 207-225. | 0.6 | 0 |
| 69 | A Possibilistic Approach to Goal Generation in Cognitive Agents. Lecture Notes in Computer Science, 2010, , 397-406. | 1.0 | 1 |
| 70 | Goal Generation from Possibilistic Beliefs Based on Trust and Distrust. Lecture Notes in Computer Science, 2010, , 35-50. | 1.0 | 1 |
| 71 | Cognitive-Agent-Based Modeling of a Financial Market. , 2009, , . | | 5 |
| 72 | Reasoning about actions with imprecise and incomplete state descriptions. Fuzzy Sets and Systems, 2009, 160, 1383-1401. | 1.6 | 2 |

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| 73 | On the calculation of extended max and min operations between convex fuzzy sets of the real line. Fuzzy Sets and Systems, 2009, 160, 3103-3114. | 1.6 | 29 |
| 74 | Soft Computing Techniques for Internet Backbone Traffic Anomaly Detection. Lecture Notes in Computer Science, 2009, , 99-104. | 1.0 | 2 |
| 75 | A Lexicographic Encoding for Word Sense Disambiguation with Evolutionary Neural Networks. Lecture Notes in Computer Science, 2009, , 192-201. | 1.0 | 2 |
| 76 | Predicting Turning Points in Financial Markets with Fuzzy-Evolutionary and Neuro-Evolutionary Modeling. Lecture Notes in Computer Science, 2009, , 213-222. | 1.0 | 6 |
| 77 | Evolving Neural Networks for Static Single-Position Automated Trading. Journal of Artificial Evolution and Applications, 2008, 2008, 1-17. | 1.8 | 19 |
| 78 | Evolving Neural Networks for Word Sense Disambiguation. , 2008, , . | | 5 |
| 79 | Making Others Believe What They Want. International Federation for Information Processing, 2008, , 215-224. | 0.4 | 6 |
| 80 | A New Genetic Approach for Neural Network Design. Studies in Computational Intelligence, 2008, , 289-323. | 0.7 | 7 |
| 81 | Fuzzy-Evolutionary Modeling for Single-Position Day Trading. Studies in Computational Intelligence, 2008, , 131-159. | 0.7 | 7 |
| 82 | Horizontal Generalization Properties of Fuzzy Rule-Based Trading Models. Lecture Notes in Computer Science, 2008, , 93-102. | 1.0 | 1 |
| 83 | Ab initio protein structure prediction with a dipeptide-assembly evolutionary algorithm. , 2007, , . | | 0 |
| 84 | Evolutionary algorithms for reasoning in fuzzy description logics with fuzzy quantifiers. , 2007, , . | | 2 |
| 85 | Automated trading on financial instruments with evolved neural networks. , 2007, , . | | 1 |
| 86 | Business Intelligence for Strategic Marketing: Predictive Modelling of Customer Behaviour Using Fuzzy Logic and Evolutionary Algorithms. , 2007, , 233-240. | | 11 |
| 87 | Goal Generation with Ordered Beliefs. Lecture Notes in Computer Science, 2007, , 133-144. | 1.0 | 1 |
| 88 | A Belief-Desire Framework for Goal Revision. Lecture Notes in Computer Science, 2007, , 164-171. | 1.0 | 0 |
| 89 | From Fuzzy Beliefs to Goals. Lecture Notes in Computer Science, 2007, , 1-8. | 1.0 | 0 |
| 90 | An Ontology-Based Method for User Model Acquisition. , 2006, , 211-229. | | 12 |

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| 91 | An Evolutionary Approach to Ontology-Based User Model Acquisition. Lecture Notes in Computer Science, 2006, , 25-32. | 1.0 | 6 |
| 92 | A neural evolutionary approach to financial modeling. , 2006, , . | | 17 |
| 93 | Chapter 8 Fuzzy quantification in fuzzy description logics. Capturing Intelligence, 2006, , 135-159. | 1.5 | 19 |
| 94 | Approximated Type-2 Fuzzy Set Operations. , 2006, , . | | 53 |
| 95 | Some Complexity Results on Fuzzy Description Logics. Lecture Notes in Computer Science, 2006, , 19-24. | 1.0 | 10 |
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| 97 | Reasoning and Quantification in Fuzzy Description Logics. Lecture Notes in Computer Science, 2006, , 81-88. | 1.0 | 10 |
| 98 | Takeover time curves in random and small-world structured populations. , 2005, , . | | 44 |
| 99 | Selection Intensity in Cellular Evolutionary Algorithms for Regular Lattices. IEEE Transactions on Evolutionary Computation, 2005, 9, 489-505. | 7.5 | 85 |
| 100 | Generalizing Quantification in Fuzzy Description Logics. , 2005, , 397-411. | | 16 |
| 101 | A Memetic Algorithm for Protein Structure Prediction in a 3D-Lattice HP Model. Lecture Notes in Computer Science, 2004, , 1-10. | 1.0 | 18 |
| 102 | Modeling Selection Intensity for Linear Cellular Evolutionary Algorithms. Lecture Notes in Computer Science, 2004, , 345-356. | 1.0 | 5 |
| 103 | Evolutionary design and FPGA implementation of digital filters. , 2003, , . | | 1 |
| 104 | A Possibilistic Framework for Asset Allocation. , 2003, , 23-33. | | 0 |
| 105 | Learning Fuzzy Classifiers with Evolutionary Algorithms. , 2003, , 1-10. | | 1 |
| 106 | An Application of Genetic Programming to Electronic Design Automation: from Frequency Specifications to VHDL Code. , 2002, , 809-820. | | 1 |
| 107 | An Evolutionary Approach to Automatic Generation of VHDL Code for Low-Power Digital Filters. Lecture Notes in Computer Science, 2001, , 36-50. | 1.0 | 12 |
| 108 | Genetic Programming for Financial Time Series Prediction. Lecture Notes in Computer Science, 2001, , 361-370. | 1.0 | 37 |

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| 109 | An Evolutionary Algorithm for Solving the School Time-Tabling Problem. Lecture Notes in Computer Science, 2001, , 452-462. | 1.0 | 13 |
| 110 | Dynamic Optimisation of Non-linear Feed-Forward Circuits. Lecture Notes in Computer Science, 2000, , 41-50. | 1.0 | 4 |
| 111 | A Statistical Study of a Class of Cellular Evolutionary Algorithms. Evolutionary Computation, 1999, 7, 255-274. | 2.3 | 11 |
| 112 | A General-Purpose Fuzzy Engine for Crop Control. Lecture Notes in Computer Science, 1999, , 473-481. | 1.0 | 1 |
| 113 | Tuning fuzzy software components with a distributed evolutionary engine. , 1998, , . | | 0 |
| 114 | Recombination operators for evolutionary graph drawing. Lecture Notes in Computer Science, 1998, , 988-997. | 1.0 | 1 |
| 115 | Studying parallel evolutionary algorithms: The cellular programming case. Lecture Notes in Computer Science, 1998, , 573-582. | 1.0 | 5 |
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| 118 | An evolutionary algorithm for evaluation of emission compliance options in view of the Clean Air Act Amendments. IEEE Transactions on Power Systems, 1997, 12, 336-341. | 4.6 | 63 |
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| 120 | An Ontology-Based Method for User Model Acquisition. , 0, , 211-229. | | 0 |