

# Andrea G B Tettamanzi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115  
papers

821  
citations

15  
h-index

24  
g-index

131  
ext. papers

929  
ext. citations

1.5  
avg, IF

4.22  
L-index

#	Paper	IF	Citations
115	Selection intensity in cellular evolutionary algorithms for regular lattices. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2005</b> , 9, 489-505	15.6	70
114	An evolutionary algorithm for evaluation of emission compliance options in view of the Clean Air Act Amendments. <i>IEEE Transactions on Power Systems</i> , <b>1997</b> , 12, 336-341	7	54
113	Propagating and Aggregating Fuzzy Polarities for Concept-Level Sentiment Analysis. <i>Cognitive Computation</i> , <b>2015</b> , 7, 186-197	4.4	49
112	Approximated Type-2 Fuzzy Set Operations <b>2006</b> ,		43
111	Takeover time curves in random and small-world structured populations <b>2005</b> ,		39
110	Computational protein design and large-scale assessment by I-TASSER structure assembly simulations. <i>Journal of Molecular Biology</i> , <b>2011</b> , 407, 764-76	6.5	32
109	A Fuzzy System for Concept-Level Sentiment Analysis. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 21-27	0.3	29
108	Genetic Programming for Financial Time Series Prediction. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 361-370		24
107	On the calculation of extended max and min operations between convex fuzzy sets of the real line. <i>Fuzzy Sets and Systems</i> , <b>2009</b> , 160, 3103-3114	3.7	23
106	Concave type-2 fuzzy sets: properties and operations. <i>Soft Computing</i> , <b>2010</b> , 14, 749-756	3.5	23
105	A conceptual representation of documents and queries for information retrieval systems by using light ontologies. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 10376-10388	7.8	19
104	Evolutionary ANNs: A state of the art survey. <i>Intelligenza Artificiale</i> , <b>2011</b> , 5, 19-35	0.7	18
103	Evolving Neural Networks for Static Single-Position Automated Trading. <i>Journal of Artificial Evolution and Applications</i> , <b>2008</b> , 2008, 1-17		16
102	Chapter 8 Fuzzy quantification in fuzzy description logics. <i>Capturing Intelligence</i> , <b>2006</b> , 135-159		16
101	A Memetic Algorithm for Protein Structure Prediction in a 3D-Lattice HP Model. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 1-10	0.9	15
100	Combining argumentation and aspect-based opinion mining: The SMACK system1. <i>AI Communications</i> , <b>2018</b> , 31, 75-95	0.8	14
99	Ontology enrichment by discovering multi-relational association rules from ontological knowledge bases <b>2016</b> ,		14

98	A neural evolutionary approach to financial modeling <b>2006</b> ,		14
97	Quality Assessment in Linguistic Summaries of Data. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 285-294	0.3	12
96	Modeling Selection Intensity for Toroidal Cellular Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 1138-1149	0.9	11
95	A Novel Similarity-Based Crossover for Artificial Neural Network Evolution <b>2010</b> , 344-353		11
94	Linguistic Summarization of Time Series Data using Genetic Algorithms <b>2011</b> ,		10
93	QoS-based service optimization using differential evolution <b>2011</b> ,		9
92	A statistical study of a class of cellular evolutionary algorithms. <i>Evolutionary Computation</i> , <b>1999</b> , 7, 255-743	4.3	9
91	Some Complexity Results on Fuzzy Description Logics. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 19-24	0.9	9
90	An Evolutionary Algorithm for Solving the School Time-Tabling Problem. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 452-462	0.9	9
89	Possibilistic testing of OWL axioms against RDF data. <i>International Journal of Approximate Reasoning</i> , <b>2017</b> , 91, 114-130	3.6	8
88	Generalizing Quantification in Fuzzy Description Logics <b>2005</b> , 397-411		8
87	An Evolutionary Approach to Multiperiod Asset Allocation. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 225-236	2.36	7
86	Evolutionary Discovery of Multi-relational Association Rules from Ontological Knowledge Bases. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 113-128	0.9	7
85	A New Genetic Approach for Neural Network Design. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 289-323	3.8	7
84	Reasoning and Quantification in Fuzzy Description Logics. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 81-88	0.9	7
83	Uncertain logical gates in possibilistic networks: Theory and application to human geography. <i>International Journal of Approximate Reasoning</i> , <b>2017</b> , 82, 101-118	3.6	6
82	Trusting the messenger because of the message: feedback dynamics from information quality to source evaluation. <i>Computational and Mathematical Organization Theory</i> , <b>2013</b> , 20, 176	2.1	6
81	An Evolutionary Approach to Automatic Generation of VHDL Code for Low-Power Digital Filters. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 36-50	0.9	6

80	Fuzzy-Evolutionary Modeling for Single-Position Day Trading. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 131-159	0.8	6
79	Learning Class Disjointness Axioms Using Grammatical Evolution. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 278-294	0.9	5
78	Using trust and possibilistic reasoning to deal with untrustworthy communication in VANETs <b>2013</b> ,		5
77	Modeling Selection Intensity for Linear Cellular Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 345-356	0.9	5
76	Uncertain Logical Gates in Possibilistic Networks. An Application to Human Geography. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 249-263	0.9	5
75	Business Intelligence for Strategic Marketing: Predictive Modelling of Customer Behaviour Using Fuzzy Logic and Evolutionary Algorithms <b>2007</b> , 233-240		5
74	A Critical Assessment of Some Variants of Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 565-574	0.9	5
73	An Ontological Representation of Documents and Queries for Information Retrieval Systems. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 555-564	0.9	5
72	A Neural Evolutionary Classification Method for Brain-Wave Analysis. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 500-504	0.9	5
71	Making Others Believe What They Want. <i>International Federation for Information Processing</i> , <b>2008</b> , 215-224		5
70	An evolutionary algorithm for discovering multi-relational association rules in the semantic web <b>2017</b> ,		4
69	A multi-objective memetic algorithm for the linguistic summarization of time series <b>2011</b> ,		4
68	Evolving Neural Networks for Word Sense Disambiguation <b>2008</b> ,		4
67	An Ontology-Based Method for User Model Acquisition <b>2006</b> , 211-229		4
66	An Evolutionary Approach to Ontology-Based User Model Acquisition. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 25-32	0.9	4
65	Comparing Rule Evaluation Metrics for the Evolutionary Discovery of Multi-relational Association Rules in the Semantic Web. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 289-305	0.9	4
64	Modeling Turning Points in Financial Markets with Soft Computing Techniques. <i>Studies in Computational Intelligence</i> , <b>2010</b> , 147-167	0.8	4
63	Evolutionary design of hashing function circuits using an FPGA. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 36-46	0.9	4

62	Predicting Turning Points in Financial Markets with Fuzzy-Evolutionary and Neuro-Evolutionary Modeling. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 213-222	0.9	4
61	Predicting the possibilistic score of OWL axioms through modified support vector clustering <b>2018</b> ,		4
60	Combining fuzzy logic and formal argumentation for legal interpretation <b>2017</b> ,		3
59	Dynamically Time-Capped Possibilistic Testing of SubClassOf Axioms Against RDF Data to Enrich Schemas <b>2015</b> ,		3
58	The role of goals in belief selection. <i>Logic Journal of the IGPL</i> , <b>2010</b> , 18, 559-578	1	3
57	SimBa-2: Improving a novel similarity-based crossover for the evolution of artificial neural networks <b>2011</b> ,		3
56	Cognitive-Agent-Based Modeling of a Financial Market <b>2009</b> ,		3
55	Evolutionary Single-Position Automated Trading. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 62-72	0.9	3
54	An Ontology Alignment Approach Combining Word Embedding and the Radius Measure. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 191-197	0.9	3
53	Testing OWL Axioms against RDF Facts: A Possibilistic Approach. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 519-530	0.9	3
52	A Machine Learning Approach to Study the Relationship between Features of the Urban Environment and Street Value. <i>Urban Science</i> , <b>2019</b> , 3, 100	2.2	3
51	Dynamic Optimisation of Non-linear Feed-Forward Circuits. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 41-50	0.9	3
50	Drawing Graphs with Evolutionary Algorithms <b>1998</b> , 325-337		3
49	Testing Carlo Cipolla's Laws of Human Stupidity with Agent-Based Modeling <b>2014</b> ,		2
48	Reasoning about actions with imprecise and incomplete state descriptions. <i>Fuzzy Sets and Systems</i> , <b>2009</b> , 160, 1383-1401	3.7	2
47	Evolutionary algorithms for reasoning in fuzzy description logics with fuzzy quantifiers <b>2007</b> ,		2
46	Studying parallel evolutionary algorithms: The cellular programming case. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 573-582	0.9	2
45	An Evolutionary Approach to Class Disjointness Axiom Discovery <b>2019</b> ,		2

44	Fuzzy Labeling for Abstract Argumentation: An Empirical Evaluation. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 126-139	0.9	2
43	Handling Topical Metadata Regarding the Validity and Completeness of Multiple-Source Information: A Possibilistic Approach. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 363-376	0.9	2
42	Learning Environment for Life Time Value Calculation of Customers in Insurance Domain. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 1251-1262	0.9	2
41	Soft Computing Techniques for Internet Backbone Traffic Anomaly Detection. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 99-104	0.9	2
40	A Lexicographic Encoding for Word Sense Disambiguation with Evolutionary Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 192-201	0.9	2
39	SimBa: A novel similarity-based crossover for neuro-evolution. <i>Neurocomputing</i> , <b>2014</b> , 130, 108-122	5.4	1
38	A syntactic possibilistic belief change operator: Theory and empirical study. <i>Web Intelligence and Agent Systems</i> , <b>2014</b> , 12, 155-169		1
37	A Neuro-evolutionary Approach to Intraday Financial Modeling. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 155-164	0.9	1
36	A Comparison between Nature-Inspired and Machine Learning Approaches to Detecting Trend Reversals in Financial Time Series. <i>Studies in Computational Intelligence</i> , <b>2011</b> , 39-59	0.8	1
35	Recombination operators for evolutionary graph drawing. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 988-997		1
34	Learning Fuzzy Classifiers with Evolutionary Algorithms <b>2003</b> , 1-10		1
33	Horizontal Generalization Properties of Fuzzy Rule-Based Trading Models. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 93-102	0.9	1
32	Publishing Uncertainty on the Semantic Web: Blurring the LOD Bubbles. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 42-56	0.9	1
31	Challenges in Bridging Social Semantics and Formal Semantics on the Web. <i>Lecture Notes in Business Information Processing</i> , <b>2014</b> , 3-15	0.6	1
30	Goal Generation with Ordered Beliefs. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 133-144	0.9	1
29	A Study of Nature-Inspired Methods for Financial Trend Reversal Detection. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 161-170	0.9	1
28	Electrocardiographic Signal Classification with Evolutionary Artificial Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 295-304	0.9	1
27	A Possibilistic Approach to Goal Generation in Cognitive Agents. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 397-406	0.9	1

26	Goal Generation from Possibilistic Beliefs Based on Trust and Distrust. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 35-50	0.9	1
25	Using Evolutionary Neural Networks to Test the Influence of the Choice of Numeraire on Financial Time Series Modeling. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 81-90	0.9	1
24	The BioKET Biodiversity Data Warehouse: Data and Knowledge Integration and Extraction. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 131-142	0.9	1
23	Grammatical Evolution to Mine OWL Disjointness Axioms Involving Complex Concept Expressions <b>2020</b> ,		1
22	A Fuzzy Frame-Based Knowledge Representation Formalism. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 55-62	0.9	1
21	A General-Purpose Fuzzy Engine for Crop Control. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 473-481	0.9	1
20	An Application of Genetic Programming to Electronic Design Automation: from Frequency Specifications to VHDL Code <b>2002</b> , 809-820		1
19	A Neuro-Evolutionary Corpus-Based Method for Word Sense Disambiguation. <i>IEEE Intelligent Systems</i> , <b>2012</b> , 27, 26-35	4.2	0
18	Using Grammar-Based Genetic Programming for Mining Disjointness Axioms Involving Complex Class Expressions. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 18-32	0.9	0
17	A Neuro-Evolutionary Approach to Electrocardiographic Signal Classification <b>2014</b> , 193-207		0
16	Task-Oriented Uncertainty Evaluation for Linked Data Based on Graph Interlinks. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 204-215	0.9	
15	Possibilistic Estimation of Distributions to Leverage Sparse Data in Machine Learning. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 431-444	0.3	
14	Measuring Clusters of Labels in an Embedding Space to Refine Relations in Ontology Alignment. <i>Journal on Data Semantics</i> , <b>2021</b> , 10, 399	1.4	
13	A Possibilistic Framework for Asset Allocation <b>2003</b> , 23-33		
12	Towards Flexible Credential Negotiation Protocols. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 19-23	0.9	
11	Possibilistic Planning Using Description Logics: A First Step. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 53-60	0.9	
10	A Belief-Desire Framework for Goal Revision. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 164-171	0.9	
9	From Fuzzy Beliefs to Goals. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 1-8	0.9	

- 8 Predicting the Possibilistic Score of OWL Axioms Through Support Vector Regression. *Lecture Notes in Computer Science*, **2018**, 380-386 0.9
- 7 Classifying Candidate Axioms via Dimensionality Reduction Techniques. *Lecture Notes in Computer Science*, **2020**, 179-191 0.9
- 6 Multiple Bayesian Models for the Sustainable City: The Case of Urban Sprawl. *Lecture Notes in Computer Science*, **2017**, 392-407 0.9
- 5 An Agent-Based Architecture for Personalized Recommendations. *Lecture Notes in Computer Science*, **2017**, 96-113 0.9
- 4 Fuzzy Evolutionary Modeling of Customer Behavior for Business Intelligence. *Studies in Fuzziness and Soft Computing*, **2010**, 207-225 0.7
- 3 A Part-Of-Speech Lexicographic Encoding for an Evolutionary Word Sense Disambiguation Approach. *Lecture Notes in Computer Science*, **2011**, 244-253 0.9
- 2 A Belief-Based Approach to Measuring Message Acceptability. *Lecture Notes in Computer Science*, **2016**, 140-154 0.9
- 1 An Ontology-Based Method for User Model Acquisition 211-229