

Andrea G B Tettamanzi

List of Publications by Year in descending order

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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	Selection Intensity in Cellular Evolutionary Algorithms for Regular Lattices. IEEE Transactions on Evolutionary Computation, 2005, 9, 489-505.	7.5	85
2	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
3	Propagating and Aggregating Fuzzy Polarities for Concept-Level Sentiment Analysis. Cognitive Computation, 2015, 7, 186-197.	3.6	58
4	Approximated Type-2 Fuzzy Set Operations. , 2006, , .		53
5	Takeover time curves in random and small-world structured populations. , 2005, , .		44
6	Genetic Programming for Financial Time Series Prediction. Lecture Notes in Computer Science, 2001, , 361-370.	1.0	37
7	A Fuzzy System for Concept-Level Sentiment Analysis. Communications in Computer and Information Science, 2014, , 21-27.	0.4	35
8	Computational Protein Design and Large-Scale Assessment by I-TASSER Structure Assembly Simulations. Journal of Molecular Biology, 2011, 407, 764-776.	2.0	34
9	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
10	Concave type-2 fuzzy sets: properties and operations. Soft Computing, 2010, 14, 749-756.	2.1	29
11	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
12	Combining argumentation and aspect-based opinion mining: The SMACK system1. AI Communications, 2018, 31, 75-95.	0.8	23
13	Evolutionary ANNs: A state of the art survey. Intelligenza Artificiale, 2011, 5, 19-35.	1.0	22
14	Chapter 8 Fuzzy quantification in fuzzy description logics. Capturing Intelligence, 2006, , 135-159.	1.5	19
15	Evolving Neural Networks for Static Single-Position Automated Trading. Journal of Artificial Evolution and Applications, 2008, 2008, 1-17.	1.8	19
16	A Memetic Algorithm for Protein Structure Prediction in a 3D-Lattice HP Model. Lecture Notes in Computer Science, 2004, , 1-10.	1.0	18
17	Ontology enrichment by discovering multi-relational association rules from ontological knowledge bases. , 2016, , .		18
18	A neural evolutionary approach to financial modeling. , 2006, , .		17

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19	Generalizing Quantification in Fuzzy Description Logics. , 2005, , 397-411.		16
20	Linguistic Summarization of Time Series Data using Genetic Algorithms. , 2011, , .		16
21	Possibilistic testing of OWL axioms against RDF data. International Journal of Approximate Reasoning, 2017, 91, 114-130.	1.9	15
22	QoS-based service optimization using differential evolution. , 2011, , .		14
23	An Evolutionary Algorithm for Solving the School Time-Tabling Problem. Lecture Notes in Computer Science, 2001, , 452-462.	1.0	13
24	An Ontological Representation of Documents and Queries for Information Retrieval Systems. Lecture Notes in Computer Science, 2010, , 555-564.	1.0	13
25	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
26	An Ontology-Based Method for User Model Acquisition. , 2006, , 211-229.		12
27	A Novel Similarity-Based Crossover for Artificial Neural Network Evolution. , 2010, , 344-353.		12
28	A Statistical Study of a Class of Cellular Evolutionary Algorithms. Evolutionary Computation, 1999, 7, 255-274.	2.3	11
29	Evolutionary Discovery of Multi-relational Association Rules from Ontological Knowledge Bases. Lecture Notes in Computer Science, 2016, , 113-128.	1.0	11
30	Business Intelligence for Strategic Marketing: Predictive Modelling of Customer Behaviour Using Fuzzy Logic and Evolutionary Algorithms. , 2007, , 233-240.		11
31	Some Complexity Results on Fuzzy Description Logics. Lecture Notes in Computer Science, 2006, , 19-24.	1.0	10
32	Reasoning and Quantification in Fuzzy Description Logics. Lecture Notes in Computer Science, 2006, , 81-88.	1.0	10
33	Learning Class Disjointness Axioms Using Grammatical Evolution. Lecture Notes in Computer Science, 2019, , 278-294.	1.0	9
34	Uncertain logical gates in possibilistic networks: Theory and application to human geography. International Journal of Approximate Reasoning, 2017, 82, 101-118.	1.9	8
35	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
36	Predicting the possibilistic score of OWL axioms through modified support vector clustering. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
37	A New Genetic Approach for Neural Network Design. <i>Studies in Computational Intelligence</i> , 2008, , 289-323.	0.7	7
38	Fuzzy-Evolutionary Modeling for Single-Position Day Trading. <i>Studies in Computational Intelligence</i> , 2008, , 131-159.	0.7	7
39	An Evolutionary Approach to Ontology-Based User Model Acquisition. <i>Lecture Notes in Computer Science</i> , 2006, , 25-32.	1.0	6
40	Using trust and possibilistic reasoning to deal with untrustworthy communication in VANETs. , 2013, , .		6
41	Dynamically Time-Capped Possibilistic Testing of SubClassOf Axioms Against RDF Data to Enrich Schemas. , 2015, , .		6
42	Making Others Believe What They Want. <i>International Federation for Information Processing</i> , 2008, , 215-224.	0.4	6
43	Testing OWL Axioms against RDF Facts: A Possibilistic Approach. <i>Lecture Notes in Computer Science</i> , 2014, , 519-530.	1.0	6
44	Predicting Turning Points in Financial Markets with Fuzzy-Evolutionary and Neuro-Evolutionary Modeling. <i>Lecture Notes in Computer Science</i> , 2009, , 213-222.	1.0	6
45	Evolutionary design of hashing function circuits using an FPGA. <i>Lecture Notes in Computer Science</i> , 1998, , 36-46.	1.0	6
46	An Evolutionary Approach to Class Disjointness Axiom Discovery. , 2019, , .		6
47	Studying parallel evolutionary algorithms: The cellular programming case. <i>Lecture Notes in Computer Science</i> , 1998, , 573-582.	1.0	5
48	Evolving Neural Networks for Word Sense Disambiguation. , 2008, , .		5
49	Cognitive-Agent-Based Modeling of a Financial Market. , 2009, , .		5
50	A multi-objective memetic algorithm for the linguistic summarization of time series. , 2011, , .		5
51	Drawing Graphs with Evolutionary Algorithms. , 1998, , 325-337.		5
52	Uncertain Logical Gates in Possibilistic Networks. An Application to Human Geography. <i>Lecture Notes in Computer Science</i> , 2015, , 249-263.	1.0	5
53	Comparing Rule Evaluation Metrics for the Evolutionary Discovery of Multi-relational Association Rules in the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2018, , 289-305.	1.0	5
54	Modeling Selection Intensity for Linear Cellular Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , 2004, , 345-356.	1.0	5

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55	SimBa: A novel similarity-based crossover for neuro-evolution. <i>Neurocomputing</i> , 2014, 130, 108-122.	3.5	4
56	An evolutionary algorithm for discovering multi-relational association rules in the semantic web. , 2017, , .		4
57	Combining fuzzy logic and formal argumentation for legal interpretation. , 2017, , .		4
58	A Machine Learning Approach to Study the Relationship between Features of the Urban Environment and Street Value. <i>Urban Science</i> , 2019, 3, 100.	1.1	4
59	Dynamic Optimisation of Non-linear Feed-Forward Circuits. <i>Lecture Notes in Computer Science</i> , 2000, , 41-50.	1.0	4
60	An Ontology Alignment Approach Combining Word Embedding and the Radius Measure. <i>Lecture Notes in Computer Science</i> , 2019, , 191-197.	1.0	4
61	The role of goals in belief selection. <i>Logic Journal of the IGPL</i> , 2010, 18, 559-578.	1.3	3
62	SimBa-2: Improving a novel similarity-based crossover for the evolution of artificial neural networks. , 2011, , .		3
63	A Neuro-Evolutionary Corpus-Based Method for Word Sense Disambiguation. <i>IEEE Intelligent Systems</i> , 2012, 27, 26-35.	4.0	3
64	Testing Carlo Cipolla's Laws of Human Stupidity with Agent-Based Modeling. , 2014, , .		3
65	Using Grammar-Based Genetic Programming for Mining Disjointness Axioms Involving Complex Class Expressions. <i>Lecture Notes in Computer Science</i> , 2020, , 18-32.	1.0	3
66	Evolutionary algorithms for reasoning in fuzzy description logics with fuzzy quantifiers. , 2007, , .		2
67	Reasoning about actions with imprecise and incomplete state descriptions. <i>Fuzzy Sets and Systems</i> , 2009, 160, 1383-1401.	1.6	2
68	Grammatical Evolution to Mine OWL Disjointness Axioms Involving Complex Concept Expressions. , 2020, , .		2
69	Challenges in Bridging Social Semantics and Formal Semantics on the Web. <i>Lecture Notes in Business Information Processing</i> , 2014, , 3-15.	0.8	2
70	Fuzzy Labeling for Abstract Argumentation: An Empirical Evaluation. <i>Lecture Notes in Computer Science</i> , 2016, , 126-139.	1.0	2
71	Handling Topical Metadata Regarding the Validity and Completeness of Multiple-Source Information: A Possibilistic Approach. <i>Lecture Notes in Computer Science</i> , 2017, , 363-376.	1.0	2
72	Soft Computing Techniques for Internet Backbone Traffic Anomaly Detection. <i>Lecture Notes in Computer Science</i> , 2009, , 99-104.	1.0	2

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73	A Lexicographic Encoding for Word Sense Disambiguation with Evolutionary Neural Networks. Lecture Notes in Computer Science, 2009, , 192-201.	1.0	2
74	A Study of Nature-Inspired Methods for Financial Trend Reversal Detection. Lecture Notes in Computer Science, 2010, , 161-170.	1.0	2
75	Electrocardiographic Signal Classification with Evolutionary Artificial Neural Networks. Lecture Notes in Computer Science, 2012, , 295-304.	1.0	2
76	Recombination operators for evolutionary graph drawing. Lecture Notes in Computer Science, 1998, , 988-997.	1.0	1
77	Evolutionary design and FPGA implementation of digital filters. , 2003, , .		1
78	Automated trading on financial instruments with evolved neural networks. , 2007, , .		1
79	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
80	Coastal current prediction using CMA evolution strategies. , 2011, , .		1
81	Comparing paired comparison-based interactive DE and tournament interactive GA on stained glass design. , 2011, , .		1
82	A Syntactic Possibilistic Belief Change Operator for Cognitive Agents. , 2011, , .		1
83	A Neuro-evolutionary Approach to Intraday Financial Modeling. Lecture Notes in Computer Science, 2012, , 155-164.	1.0	1
84	A syntactic possibilistic belief change operator: Theory and empirical study. Web Intelligence and Agent Systems, 2014, 12, 155-169.	0.4	1
85	A Multi-context BDI Recommender System: From Theory to Simulation. , 2016, , .		1
86	A Fuzzy Frame-Based Knowledge Representation Formalism. Lecture Notes in Computer Science, 2006, , 55-62.	1.0	1
87	A General-Purpose Fuzzy Engine for Crop Control. Lecture Notes in Computer Science, 1999, , 473-481.	1.0	1
88	An Application of Genetic Programming to Electronic Design Automation: from Frequency Specifications to VHDL Code. , 2002, , 809-820.		1
89	Goal Generation with Ordered Beliefs. Lecture Notes in Computer Science, 2007, , 133-144.	1.0	1
90	Measuring Clusters of Labels in an Embedding Space to Refine Relations in Ontology Alignment. Journal on Data Semantics, 2021, 10, 399.	2.0	1

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91	Learning Fuzzy Classifiers with Evolutionary Algorithms. , 2003, , 1-10.		1
92	Horizontal Generalization Properties of Fuzzy Rule-Based Trading Models. Lecture Notes in Computer Science, 2008, , 93-102.	1.0	1
93	A Possibilistic Approach to Goal Generation in Cognitive Agents. Lecture Notes in Computer Science, 2010, , 397-406.	1.0	1
94	Goal Generation from Possibilistic Beliefs Based on Trust and Distrust. Lecture Notes in Computer Science, 2010, , 35-50.	1.0	1
95	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
96	A Neuro-Evolutionary Approach to Electrocardiographic Signal Classification. , 2014, , 193-207.		1
97	The BioKET Biodiversity Data Warehouse: Data and Knowledge Integration and Extraction. Lecture Notes in Computer Science, 2014, , 131-142.	1.0	1
98	A Multi-context Framework for Modeling an Agent-based Recommender System. , 2016, , .		1
99	Publishing Uncertainty on the Semantic Web: Blurring the LOD Bubbles. Lecture Notes in Computer Science, 2019, , 42-56.	1.0	1
100	Using Grammar-Based Genetic Programming for Mining Subsumption Axioms Involving Complex Class Expressions. , 2021, , .		1
101	Tuning fuzzy software components with a distributed evolutionary engine. , 1998, , .		0
102	Ab initio protein structure prediction with a dipeptide-assembly evolutionary algorithm. , 2007, , .		0
103	Graded Reinstatement in Belief Revision. , 2011, , .		0
104	Answering N-Relation Natural Language Questions in the Commercial Domain. , 2015, , .		0
105	A Belief-Based Approach to Measuring Message Acceptability. Lecture Notes in Computer Science, 2016, , 140-154.	1.0	0
106	A Possibilistic Framework for Asset Allocation. , 2003, , 23-33.		0
107	A Belief-Desire Framework for Goal Revision. Lecture Notes in Computer Science, 2007, , 164-171.	1.0	0
108	From Fuzzy Beliefs to Goals. Lecture Notes in Computer Science, 2007, , 1-8.	1.0	0

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109	Fuzzy“Evolutionary Modeling of Customer Behavior for Business Intelligence. Studies in Fuzziness and Soft Computing, 2010, , 207-225.	0.6	0
110	A Part-Of-Speech Lexicographic Encoding for an Evolutionary Word Sense Disambiguation Approach. Lecture Notes in Computer Science, 2011, , 244-253.	1.0	0
111	Equational grammars. , 1993, , 549-554.		0
112	Multiple Bayesian Models for the Sustainable City: The Case of Urban Sprawl. Lecture Notes in Computer Science, 2017, , 392-407.	1.0	0
113	An Agent-Based Architecture for Personalized Recommendations. Lecture Notes in Computer Science, 2017, , 96-113.	1.0	0
114	A new urban segregation-growth coupled model using a belief-desire-intention possibilistic framework. , 2017, , .		0
115	Predicting the Possibilistic Score of OWL Axioms Through Support Vector Regression. Lecture Notes in Computer Science, 2018, , 380-386.	1.0	0
116	Classifying Candidate Axioms via Dimensionality Reduction Techniques. Lecture Notes in Computer Science, 2020, , 179-191.	1.0	0
117	A Multi-Objective Evolutionary Approach to Class Disjointness Axiom Discovery. , 2020, , .		0
118	Task-Oriented Uncertainty Evaluation for Linked Data Based on Graph Interlinks. Lecture Notes in Computer Science, 2020, , 204-215.	1.0	0
119	Possibilistic Estimation of Distributions to Leverage Sparse Data in Machine Learning. Communications in Computer and Information Science, 2020, , 431-444.	0.4	0
120	An Ontology-Based Method for User Model Acquisition. , 0, , 211-229.		0