Marco Gavanelli

List of Publications by Year
in descending order

66 papers	**691** citations	687363 **13** h-index	713466 **21** g-index
74 all docs	**74** docs citations	**74** times ranked	**419** citing authors

#	Article	IF	Citations
1	Improving the Efficiency of Euclidean TSP Solving in Constraint Programming by Predicting Effective Nocrossing Constraints. Lecture Notes in Computer Science, 2021, , 318-334.	1.3	0
2	Nonground Abductive Logic Programming with Probabilistic Integrity Constraints. Theory and Practice of Logic Programming, 2021, 21, 557-574.	1.5	3
3	Branching interval algebra: An almost complete picture. Information and Computation, 2021, , 104809.	0.7	1
4	Declarative and Mathematical Programming approaches to Decision Support Systems for food recycling. Engineering Applications of Artificial Intelligence, 2020, 95, 103861.	8.1	3
5	Improved Filtering for the Euclidean Traveling Salesperson Problem in CLP(FD). Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 1412-1419.	4.9	4
6	MAESTRO: a semi-autoMAted Evaluation SysTem for pROgramming assignments. , 2020, , .		2
7	Dischargeable Obligations in the ?CIFF Framework. Fundamenta Informaticae, 2020, 176, 321-348.	0.4	0
8	Evaluating Compliance: From LTL to Abductive Logic Programming. Fundamenta Informaticae, 2018, 159, 35-63.	0.4	1
9	A network model for routing-fault-free wavelength selection in WRONoCs design. Electronic Notes in Discrete Mathematics, 2018, 64, 285-294.	0.4	2
10	Accountable Protocols in Abductive Logic Programming. ACM Transactions on Internet Technology, 2018, 18, 1-20.	4.4	2
11	Reasoning on Datalog± Ontologies with Abductive Logic Programming. Fundamenta Informaticae, 2018, 159, 65-93.	0.4	2
12	Wavelength-Routed Optical Networks-on-Chip. , 2018, , .		0
13	Logic programming approaches for routing fault-free and maximally parallel wavelength-routed optical networks-on-chip (Application paper). Theory and Practice of Logic Programming, 2017, 17, 800-818.	1.5	2
14	SLDNF-Draw: Visualization of Prolog operational semantics in LaTeX1. Intelligenza Artificiale, 2017, 11, 81-92.	1.6	1
15	Dischargeable Obligations in Abductive Logic Programming. Lecture Notes in Computer Science, 2017, , 7-21.	1.3	0
16	Abductive Logic Programming for Normative Reasoning and Ontologies. Lecture Notes in Computer Science, 2017, , 187-203.	1.3	1
17	Design technology for fault-free and maximally-parallel wavelength-routed optical networks-on-chip. , 2016, , .		11
18	An ASP approach for the valves positioning optimization in a water distribution system. Journal of Logic and Computation, 2015, 25, 1351-1369.	0.8	12

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19	An application of constraint solving for home health care. AI Communications, 2015, 28, 215-237.	1.2	6
20	Scheduling countermeasures to contamination events by genetic algorithms. AI Communications, 2015, 28, 259-282.	1.2	4
21	Visual Decision Support for Policy Making: Advancing Policy Analysis with Visualization. Public Administration and Information Technology, 2015, , 321-353.	1.1	14
22	Sustainable Policy Making: A Strategic Challenge for Artificial Intelligence. AI Magazine, 2014, 35, 22-35.	1.6	23
23	The CHR-based Implementation of the SCIFF Abductive System. Fundamenta Informaticae, 2013, 124, 365-381.	0.4	5
24	Automated reasoning. Intelligenza Artificiale, 2013, 7, 113-124.	1.6	1
25	Simulation Of Incentive Mechanisms For Renewable Energy Policies. , 2013, , .		9
26	Near-optimal scheduling of device activation in water distribution systems to reduce the impact of a contamination event. Journal of Hydroinformatics, 2012, 14, 345-365.	2.4	16
27	18th RCRA International Workshop on â€œExperimental evaluation of algorithms for solving problems with combinatorial explosionâ€. AI Communications, 2012, 25, 73-74.	1.2	1
28	Genetic Algorithms for Scheduling Devices Operation in a Water Distribution System in Response to Contamination Events. Lecture Notes in Computer Science, 2012, , 124-135.	1.3	7
29	Deon â‰+â‰: Abduction and Constraints for Normative Reasoning. Lecture Notes in Computer Science, 2012, , 308-328.	1.3	3
30	What-If Analysis Through Simulation-Optimization Hybrids. , 2012, , .		6
31	RCRA 2009 Experimental Evaluation of Algorithms for Solving Problems with Combinatorial Explosion. Fundamenta Informaticae, 2011, 107, i-ii.	0.4	0
32	A Computational Logic Application Framework for Service Discovery and Contracting. International Journal of Web Services Research, 2011, 8, 1-25.	0.8	11
33	Optimal placement of valves in a water distribution network with CLP(FD). Theory and Practice of Logic Programming, 2011, 11, 731-747.	1.5	17
34	17th RCRA international workshop on â€œExperimental evaluation of algorithms for solving problems with combinatorial explosionâ€. Annals of Mathematics and Artificial Intelligence, 2011, 62, 159-160.	1.3	1
35	Sustainable biomass power plant location in the Italian Emilia-Romagna region. ACM Transactions on Intelligent Systems and Technology, 2011, 2, 1-19.	4.5	9
36	An Application of Fuzzy Logic to Strategic Environmental Assessment. Lecture Notes in Computer Science, 2011, , 324-335.	1.3	3

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37	Logic–based decision support for strategic environmental assessment. Theory and Practice of Logic Programming, 2010, 10, 643-658.	1.5	7
38	Constraint Logic Programming. Lecture Notes in Computer Science, 2010, , 64-86.	1.3	7
39	Integrating Abductive Logic Programming and Description Logics in a Dynamic Contracting Architecture. , 2009, , .		5
40	Arguing on the Semantic Grid. , 2009, , 423-441.		9
41	Modelling Interactions via Commitments and Expectations. , 2009, , 263-284.		23
42	Integration of Abductive Reasoning and Constraint Optimization in SCIFF. Lecture Notes in Computer Science, 2009, , 387-401.	1.3	4
43	Expressing and Verifying Business Contracts with Abductive Logic Programming. International Journal of Electronic Commerce, 2008, 12, 9-38.	3.0	16
44	Verifiable agent interaction in abductive logic programming. ACM Transactions on Computational Logic, 2008, 9, 1-43.	0.9	103
45	Verification from Declarative Specifications Using Logic Programming. Lecture Notes in Computer Science, 2008, , 440-454.	1.3	14
46	Argumentation in the Semantic Web. IEEE Intelligent Systems, 2007, 22, 66-74.	4.0	15
47	Web Service Contracting: Specification and Reasoning with SCIFF. Lecture Notes in Computer Science, 2007, , 68-83.	1.3	8
48	The Log-Support Encoding of CSP into SAT. , 2007, , 815-822.		19
49	COMPLIANCE VERIFICATION OF AGENT INTERACTION: A LOGIC-BASED SOFTWARE TOOL. Applied Artificial Intelligence, 2006, 20, 133-157.	3.2	60
50	Mapping deontic operators to abductive expectations. Computational and Mathematical Organization Theory, 2006, 12, 205-225.	2.0	27
51	An abductive framework for a-priori verification of web services. , 2006, , .		15
52	Specification and Verification of Agent Interaction Using Abductive Reasoning. Lecture Notes in Computer Science, 2006, , 243-264.	1.3	3
53	Security Protocols Verification in Abductive Logic Programming: A Case Study. Lecture Notes in Computer Science, 2006, , 106-124.	1.3	16
54	Computational Logic for Run-Time Verification of Web Services Choreographies: Exploiting the SOCS-SI Tool. Lecture Notes in Computer Science, 2006, , 58-72.	1.3	9

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55	A CHR-based implementation of known arc-consistency. Theory and Practice of Logic Programming, 2005, 5, 419-440.	1.5	1
56	The SOCS Computational Logic Approach to the Specification and Verification of Agent Societies. Lecture Notes in Computer Science, 2005, , 314-339.	1.3	10
57	Dealing with incomplete knowledge on CLP(FD) variable domains. ACM Transactions on Programming Languages and Systems, 2005, 27, 236-263.	2.1	7
58	The SCIFF Abductive Proof-Procedure. Lecture Notes in Computer Science, 2005, , 135-147.	1.3	21
59	Modeling Interactions Using Social Integrity Constraints: A Resource Sharing Case Study. Lecture Notes in Computer Science, 2004, , 243-262.	1.3	10
60	Specification and Verification of Agent Interaction using Social Integrity Constraints. Electronic Notes in Theoretical Computer Science, 2004, 85, 94-116.	0.9	24
61	Specification and verification of agent interaction protocols in a logic-based system. , 2004, , .		40
62	An Abductive Framework for Information Exchange in Multi-agent Systems. Lecture Notes in Computer Science, 2004, , 34-52.	1.3	7
63	A Social ACL Semantics by Deontic Constraints. , 2003, , 204-213.		10
64	Exploiting Constraints for Domain Managing in CLP(FD). Lecture Notes in Computer Science, 2002, , 177-192.	1.3	0
65	From eager to lazy constrained data acquisition: A general framework. New Generation Computing, 2001, 19, 339-367.	3.3	5
66	On the need for a different backtracking rule when dealing with late evaluation. Electronic Notes in Theoretical Computer Science, 2000, 30, 145-156.	0.9	0