Enrico Giunchiglia

List of Publications by Year
in descending order

69 papers	2,372 citations	361296 20 h-index	214721 47 g-index
75 all docs	75 docs citations	75 times ranked	1232 citing authors

#	Article	IF	Citations
1	Chapter 30. Reasoning with Quantified Boolean Formulas. Frontiers in Artificial Intelligence and Applications, 2021, , .	0.3	2
2	Translation-based approaches for solving disjunctive temporal problems with preferences. Constraints, 2018, 23, 383-402.	0.4	0
3	Twelve Years of QBF Evaluations: QSAT Is PSPACE-Hard and It Shows. Fundamenta Informaticae, 2016, 149, 133-158.	0.3	8
4	Automatic Test-Pattern Generation for Grey-Box Programs. , 2015, , .		0
5	Combining approaches for solving satisfiability problems with qualitative preferences. AI Communications, 2013, 26, 395-408.	0.8	12
6	An action-based approach to the formal specification and automatic analysis of business processes under authorization constraints. Journal of Computer and System Sciences, 2012, 78, 119-141.	0.9	10
7	Algorithms for Solving Satisfiability Problems with Qualitative Preferences. Lecture Notes in Computer Science, 2012, , 327-344.	1.0	3
8	Parallel QBF Solving with Advanced Knowledge Sharing. Fundamenta Informaticae, 2011, 107, 139-166.	0.3	6
9	Optimal stopping methods for finding high quality solutions to satisfiability problems with preferences. , 2011, , .		2
10	Introducing Preferences in Planning as Satisfiability. Journal of Logic and Computation, 2011, 21, 205-229.	0.5	4
11	Solving satisfiability problems with preferences. Constraints, 2010, 15, 485-515.	0.4	44
12	Using Bounded Model Checking for Coverage Analysis of Safety-Critical Software in an Industrial Setting. Journal of Automated Reasoning, 2010, 45, 397-414.	1.1	19
13	QuBE7.0. Journal of Satisfiability, Boolean Modeling and Computation, 2010, 7, 83-88.	1.2	10
14	sQueezeBF: An Effective Preprocessor for QBFs Based on Equivalence Reasoning. Lecture Notes in Computer Science, 2010, , 85-98.	1.0	32
15	Comparison of knowledge sharing strategies in a parallel QBF solver. , 2009, , .		5
16	Automatic Test Generation for Coverage Analysis of ERTMS Software. , 2009, , .		3
17	PaQuBE: Distributed QBF Solving with Advanced Knowledge Sharing. Lecture Notes in Computer Science, 2009, , 509-523.	1.0	9
18	Improving Plan Quality in SAT-Based Planning. Lecture Notes in Computer Science, 2009, , 253-263.	1.0	1

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19	Formal Specification and Automatic Analysis of Business Processes under Authorization Constraints: An Action-Based Approach. Lecture Notes in Computer Science, 2009, , 63-72.	1.0	4
20	On the relation among answer set solvers. Annals of Mathematics and Artificial Intelligence, 2008, 53, 169-204.	0.9	18
21	Computing All Optimal Solutions in Satisfiability Problems with Preferences. Lecture Notes in Computer Science, 2008, , 603-607.	1.0	3
22	Quantifier Structure in Search-Based Procedures for QBFs. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2007, 26, 497-507.	1.9	11
23	Answer Set Programming Based on Propositional Satisfiability. Journal of Automated Reasoning, 2007, 36, 345-377.	1.1	105
24	SAT-Based Planning with Minimal-#actions Plans and â€œsoftâ€•Goals. Lecture Notes in Computer Science, 2007, , 422-433.	1.0	5
25	The SAT-based Approach to Separation Logic. Journal of Automated Reasoning, 2006, 35, 237-263.	1.1	2
26	Satisfiability in the Year 2005. Journal of Automated Reasoning, 2006, 35, 1-2.	1.1	0
27	optsat: A Tool for Solving SAT Related Optimization Problems. Lecture Notes in Computer Science, 2006, , 485-489.	1.0	8
28	TSAT++: an Open Platform for Satisfiability Modulo Theories. Electronic Notes in Theoretical Computer Science, 2005, 125, 25-36.	0.9	8
29	Efficient Semantic Matching. Lecture Notes in Computer Science, 2005, , 272-289.	1.0	35
30	A SAT-Based Decision Procedure for the Boolean Combination of Difference Constraints. Lecture Notes in Computer Science, 2005, , 16-29.	1.0	29
31	QBF Reasoning on Real-World Instances. Lecture Notes in Computer Science, 2005, , 105-121.	1.0	9
32	Evaluating Search Strategies and Heuristics for Efficient Answer Set Programming. Lecture Notes in Computer Science, 2005, , 122-134.	1.0	2
33	On the Relation Between Answer Set and SAT Procedures (or, Between cmodels and smodels). Lecture Notes in Computer Science, 2005, , 37-51.	1.0	14
34	SAT-Based Decision Procedures for Automated Reasoning: A Unifying Perspective. Lecture Notes in Computer Science, 2005, , 46-58.	1.0	4
35	The SAT-based Approach to Separation Logic. , 2005, , 237-263.		0
36	Nonmonotonic causal theories. Artificial Intelligence, 2004, 153, 49-104.	3.9	272

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37	QuBE++: An Efficient QBF Solver. Lecture Notes in Computer Science, 2004, , 201-213.	1.0	24
38	Watched Data Structures for QBF Solvers. Lecture Notes in Computer Science, 2004, , 25-36.	1.0	19
39	Monotone Literals and Learning in QBF Reasoning. Lecture Notes in Computer Science, 2004, , 260-273.	1.0	10
40	Backjumping for Quantified Boolean Logic satisfiability. Artificial Intelligence, 2003, 145, 99-120.	3.9	39
41	SAT-based planning in complex domains: Concurrency, constraints and nondeterminism. Artificial Intelligence, 2003, 147, 85-117.	3.9	52
42	SAT-Based Decision Procedures for Classical Modal Logics. Journal of Automated Reasoning, 2002, 28, 143-171.	1.1	36
43	Dependent and Independent Variables in Propositional Satisfiability. Lecture Notes in Computer Science, 2002, , 296-307.	1.0	19
44	Integrating BDD-Based and SAT-Based Symbolic Model Checking. Lecture Notes in Computer Science, 2002, , 49-56.	1.0	15
45	A Subset-Matching Size-Bounded Cache for Testing Satisfiability in Modal Logics. Annals of Mathematics and Artificial Intelligence, 2001, 33, 39-67.	0.9	3
46	Towards an Efficient Library for SAT: a Manifesto. Electronic Notes in Discrete Mathematics, 2001, 9, 290-310.	0.4	2
47	Ideal and Real Belief about Belief. Journal of Logic and Computation, 2001, 11, 157-192.	0.5	6
48	Benefits of Bounded Model Checking at an Industrial Setting. Lecture Notes in Computer Science, 2001, , 436-453.	1.0	99
49	QuBE: A System for Deciding Quantified Boolean Formulas Satisfiability. Lecture Notes in Computer Science, 2001, , 364-369.	1.0	76
50	An Analysis of Backjumping and Trivial Truth in Quantified Boolean Formulas Satisfiability. Lecture Notes in Computer Science, 2001, , 111-122.	1.0	5
51	SAT-Based Procedures for Temporal Reasoning. Lecture Notes in Computer Science, 2000, , 97-108.	1.0	46
52	The SAT-Based Approach for Classical Modal Logics. Lecture Notes in Computer Science, 2000, , 95-106.	1.0	5
53	SAT vs. Translation Based decision procedures for modal logics: a comparative evaluation. Journal of Applied Non-Classical Logics, 2000, 10, 145-172.	0.4	18
54	Applying the Davis-Putnam procedure to non-clausal formulas. Lecture Notes in Computer Science, 2000, , 84-94.	1.0	22

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55	A Subset-Matching Size-Bounded Cache for Satisfiability in Modal Logics. Lecture Notes in Computer Science, 2000, , 237-251.	1.0	4
56	System Description: *sat: A Platform for the Development of Modal Decision Procedures. Lecture Notes in Computer Science, 2000, , 291-296.	1.0	2
57	Formal specification of beliefs in multi-agent systems. International Journal of Intelligent Systems, 1999, 14, 1021-1040.	3.3	2
58	Planning via model checking in determistic domains: Preliminary report. Lecture Notes in Computer Science, 1998, , 221-229.	1.0	3
59	Representing action: indeterminacy and ramifications. Artificial Intelligence, 1997, 95, 409-438.	3.9	57
60	Planning via model checking: A decision procedure for AR. Lecture Notes in Computer Science, 1997, , 130-142.	1.0	61
61	Ideal and real belief about belief: Some intuitions. Lecture Notes in Computer Science, 1996, , 1-12.	1.0	2
62	Ideal and real belief about belief. Lecture Notes in Computer Science, 1996, , 261-275.	1.0	7
63	A multicontext architecture for formalizing complex reasoning. International Journal of Intelligent Systems, 1995, 10, 501-539.	3.3	3
64	Structured proof procedures. Annals of Mathematics and Artificial Intelligence, 1995, 15, 1-18.	0.9	1
65	Flexible planning by integrating multilevel reasoning. Engineering Applications of Artificial Intelligence, 1995, 8, 401-412.	4.3	2
66	MRG: BUILDING PLANNERS FOR REAL-WORLD COMPLEX APPLICATIONS. Applied Artificial Intelligence, 1994, 8, 333-357.	2.0	2
67	Embedding complex decision procedures inside an interactive theorem prover. Annals of Mathematics and Artificial Intelligence, 1993, 8, 475-502.	0.9	27
68	Proving formulas through reduction to decidable classes. Lecture Notes in Computer Science, 1993, , 1-10.	1.0	1
69	Multi-Context systems as a tool to model temporal evolution. Lecture Notes in Computer Science, 1993, , 548-557.	1.0	0