

# Alessandro Cimatti

## List of Publications by Citations

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176  
papers

5,112  
citations

32  
h-index

67  
g-index

181  
ext. papers

5,683  
ext. citations

1.2  
avg, IF

5.53  
L-index

#	Paper	IF	Citations
176	NuSMV 2: An OpenSource Tool for Symbolic Model Checking. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 359-364	0.9	686
175	Symbolic Model Checking without BDDs. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 193-207	0.9	654
174	Bounded Model Checking. <i>Advances in Computers</i> , <b>2003</b> , 58, 117-148	2.9	332
173	NUSMV: a new symbolic model checker. <i>International Journal on Software Tools for Technology Transfer</i> , <b>2000</b> , 2, 410-425	1.3	317
172	Symbolic Model Checking without BDDs <b>1999</b> ,		237
171	The MathSAT5 SMT Solver. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 93-107	0.9	236
170	The nuXmv Symbolic Model Checker. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 334-342	0.9	176
169	Safety, Dependability and Performance Analysis of Extended AADL Models. <i>Computer Journal</i> , <b>2011</b> , 54, 754-775	1.3	138
168	The MathSAT 4 SMT Solver. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 299-303	0.9	93
167	<b>2009</b> ,		83
166	Software Model Checking via IC3. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 277-293	0.9	71
165	OCRA: A tool for checking the refinement of temporal contracts <b>2013</b> ,		61
164	RATSY DA New Requirements Analysis Tool with Synthesis. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 425-429	0.9	60
163	IC3 Modulo Theories via Implicit Predicate Abstraction. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 46-61	0.9	51
162	A SAT Based Approach for Solving Formulas over Boolean and Linear Mathematical Propositions. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 195-210	0.9	48
161	Satisfiability Modulo the Theory of Costs: Foundations and Applications. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 99-113	0.9	47
160	Verifying Industrial Hybrid Systems with MathSAT. <i>Electronic Notes in Theoretical Computer Science</i> , <b>2005</b> , 119, 17-32	0.7	46

159	The COMPASS Approach: Correctness, Modelling and Performability of Aerospace Systems. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 173-186	0.9	44
158	Formal Verification of a Railway Interlocking System using Model Checking. <i>Formal Aspects of Computing</i> , <b>1998</b> , 10, 361-380	1.2	43
157	Efficient Interpolant Generation in Satisfiability Modulo Theories <b>2008</b> , 397-412		43
156	Contracts-refinement proof system for component-based embedded systems. <i>Science of Computer Programming</i> , <b>2015</b> , 97, 333-348	1.1	42
155	MathSAT: Tight Integration of SAT and Mathematical Decision Procedures. <i>Journal of Automated Reasoning</i> , <b>2005</b> , 35, 265-293	1	41
154	A Property-Based Proof System for Contract-Based Design <b>2012</b> ,		40
153	Efficient generation of Craig interpolants in satisfiability modulo theories. <i>ACM Transactions on Computational Logic</i> , <b>2010</b> , 12, 1-54	0.9	38
152	Efficient theory combination via boolean search. <i>Information and Computation</i> , <b>2006</b> , 204, 1493-1525	0.8	38
151	HyComp: An SMT-Based Model Checker for Hybrid Systems. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 52-67	0.9	36
150	The xSAP Safety Analysis Platform. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 533-539	0.9	36
149	An Incremental and Layered Procedure for the Satisfiability of Linear Arithmetic Logic. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 317-333	0.9	34
148	Symbolic Fault Tree Analysis for Reactive Systems <b>2007</b> , 162-176		34
147	Spacecraft early design validation using formal methods. <i>Reliability Engineering and System Safety</i> , <b>2014</b> , 132, 20-35	6.3	33
146	Parameter synthesis with IC3 <b>2013</b> ,		32
145	Kratos DA Software Model Checker for SystemC. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 310-316	0.9	32
144	Strong planning under partial observability. <i>Artificial Intelligence</i> , <b>2006</b> , 170, 337-384	3.6	31
143	Planning via model checking: A decision procedure for AR. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 130-142	1.4	31
142	Symbolic Computation of Schedulability Regions Using Parametric Timed Automata <b>2008</b> ,		30

141	Requirements Validation for Hybrid Systems. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 188-203	0.9	30
140	The MathSAT 3 System. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 315-321	0.9	28
139	Software Model Checking SystemC. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , <b>2013</b> , 32, 774-787	2.5	27
138	Bounded Model Checking for Past LTL. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 18-33	0.9	27
137	Efficient Satisfiability Modulo Theories via Delayed Theory Combination. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 335-349	0.9	26
136	Validation of requirements for hybrid systems. <i>ACM Transactions on Software Engineering and Methodology</i> , <b>2012</b> , 21, 1-34	3.3	25
135	Boolean Abstraction for Temporal Logic Satisfiability. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 532-546	0.9	25
134	SMT-based scenario verification for hybrid systems. <i>Formal Methods in System Design</i> , <b>2013</b> , 42, 46-66	1.4	23
133	Computing Predicate Abstractions by Integrating BDDs and SMT Solvers <b>2007</b> ,		22
132	A Lazy and Layered SMT( $\text{BV}$ ) Solver for Hard Industrial Verification Problems <b>2007</b> , 547-560		22
131	A Simple and Flexible Way of Computing Small Unsatisfiable Cores in SAT Modulo Theories <b>2007</b> , 334-339		20
130	Safety assessment of AltaRica models via symbolic model checking. <i>Science of Computer Programming</i> , <b>2015</b> , 98, 464-483	1.1	19
129	Formal Verification and Validation of ERTMS Industrial Railway Train Spacing System. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 378-393	0.9	19
128	Infinite-state invariant checking with IC3 and predicate abstraction. <i>Formal Methods in System Design</i> , <b>2016</b> , 49, 190-218	1.4	19
127	Efficient Anytime Techniques for Model-Based Safety Analysis. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 603-621	0.9	18
126	Formal Verification of Infinite-State BIP Models. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 326-343	0.9	17
125	Verification of a safety-critical railway interlocking system with real-time constraints. <i>Science of Computer Programming</i> , <b>2000</b> , 36, 53-64	1.1	17
124	A Modular Approach to MaxSAT Modulo Theories. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 150-165	0.9	17

123	Model Checking at Scale: Automated Air Traffic Control Design Space Exploration. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 3-22	0.9	16
122	A Model Checker for AADL. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 562-565	0.9	16
121	Incremental Linearization for Satisfiability and Verification Modulo Nonlinear Arithmetic and Transcendental Functions. <i>ACM Transactions on Computational Logic</i> , <b>2018</b> , 19, 1-52	0.9	16
120	<b>2006</b> ,		15
119	Bounded Verification of Past LTL. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 245-259	0.9	15
118	Symbolic execution with existential second-order constraints <b>2018</b> ,		15
117	Multi-agent reasoning with belief contexts: the approach and a case study. <i>Lecture Notes in Computer Science</i> , <b>1995</b> , 71-85	0.9	15
116	Invariant Checking of NRA Transition Systems via Incremental Reduction to LRA with EUF. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 58-75	0.9	14
115	Formalizing requirements with object models and temporal constraints. <i>Software and Systems Modeling</i> , <b>2011</b> , 10, 147-160	1.9	14
114	HRELTL: A temporal logic for hybrid systems. <i>Information and Computation</i> , <b>2015</b> , 245, 54-71	0.8	13
113	Symbolic Compilation of PSL. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , <b>2008</b> , 27, 1737-1750	2.5	13
112	Encoding RTL Constructs for MathSAT: a Preliminary Report. <i>Electronic Notes in Theoretical Computer Science</i> , <b>2006</b> , 144, 3-14	0.7	13
111	Verifying LTL Properties of Hybrid Systems with K-Liveness. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 424-440	0.9	13
110	An Integrated Process for FDIR Design in Aerospace. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 82-95	0.9	13
109	Improving the Encoding of LTL Model Checking into SAT. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 196-207		13
108	Time-aware relational abstractions for hybrid systems <b>2013</b> ,		12
107	Formal Safety Assessment via Contract-Based Design. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 81-97	0.9	12
106	HyDI: A Language for Symbolic Hybrid Systems with Discrete Interaction <b>2011</b> ,		12

105	Model Checking Safety Critical Software with SPIN: an Application to a Railway Interlocking System. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 284-293	0.9	12
104	Combining MILS with Contract-Based Design for Safety and Security Requirements. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 264-276	0.9	12
103	( $\text{SC}^2$ ): Satisfiability Checking Meets Symbolic Computation. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 28-43	0.9	12
102	Boosting Lazy Abstraction for SystemC with Partial Order Reduction. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 341-356	0.9	11
101	Conformant Planning via Model Checking. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 21-34	0.9	11
100	Dynamic controllability via Timed Game Automata. <i>Acta Informatica</i> , <b>2016</b> , 53, 681-722	0.9	10
99	Comparing different functional allocations in automated air traffic control design <b>2015</b> ,		10
98	Sound and Complete Algorithms for Checking the Dynamic Controllability of Temporal Networks with Uncertainty, Disjunction and Observation <b>2014</b> ,		10
97	Delayed theory combination vs. Nelson-Oppen for satisfiability modulo theories: a comparative analysis. <i>Annals of Mathematics and Artificial Intelligence</i> , <b>2009</b> , 55, 63-99	0.8	10
96	Formal Design of Asynchronous Fault Detection and Identification Components using Temporal Epistemic Logic. <i>Logical Methods in Computer Science</i> , <b>2015</b> , 11,		10
95	Extending nuXmv with Timed Transition Systems and Timed Temporal Properties. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 376-386	0.9	10
94	Solving strong controllability of temporal problems with uncertainty using SMT. <i>Constraints</i> , <b>2015</b> , 20, 1-29	0.3	9
93	SYMBOLIC IMPLEMENTATION OF ALTERNATING AUTOMATA. <i>International Journal of Foundations of Computer Science</i> , <b>2007</b> , 18, 727-743	0.6	9
92	Verifying Heap-Manipulating Programs in an SMT Framework <b>2007</b> , 237-252		9
91	Interpolant Generation for UTVPI. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 167-182	0.9	9
90	To Ackermann-ize or Not to Ackermann-ize? On Efficiently Handling Uninterpreted Function Symbols in $(\text{SMT})(\text{EUF} \cup \text{T})$ . <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 557-571	0.9	9
89	Integrating BDD-Based and SAT-Based Symbolic Model Checking. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 49-56	0.9	9
88	A provably correct embedded verifier for the certification of safety critical software. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 202-213	0.9	9

87	Infinite-State Liveness-to-Safety via Implicit Abstraction and Well-Founded Relations. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 271-291	0.9	8
86	COMPASS 3.0. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 379-385	0.9	8
85	Assumption-Based Runtime Verification with Partial Observability and Resets. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 165-184	0.9	8
84	A Symbolic Model Checking Framework for Safety Analysis, Diagnosis, and Synthesis. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 1-18	0.9	8
83	Formal Design of Fault Detection and Identification Components Using Temporal Epistemic Logic. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 326-340	0.9	8
82	Experimenting on Solving Nonlinear Integer Arithmetic with Incremental Linearization. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 383-398	0.9	8
81	Industrial Applications of Model Checking. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 153-168	0.9	8
80	From Informal Requirements to Property-Driven Formal Validation. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 166-181	0.9	7
79	Model Checking of Hybrid Systems Using Shallow Synchronization. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 155-169	0.9	7
78	Solving Temporal Problems Using SMT: Strong Controllability. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 248-264	0.9	7
77	Searching Powerset Automata by Combining Explicit-State and Symbolic Model Checking. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 313-327	0.9	7
76	Formal reliability analysis of redundancy architectures. <i>Formal Aspects of Computing</i> , <b>2019</b> , 31, 59-94	1.2	6
75	Automated Analysis of Reliability Architectures <b>2013</b> ,		6
74	Verification and performance evaluation of aadl models <b>2009</b> ,		6
73	Supporting Requirements Validation: The EuRailCheck Tool <b>2009</b> ,		6
72	Codesign of dependable systems: A component-based modeling language <b>2009</b> ,		6
71	Beyond Boolean SAT: Satisfiability modulo theories <b>2008</b> ,		6
70	Chapter 22 Automated Planning. <i>Foundations of Artificial Intelligence</i> , <b>2008</b> , 841-867		6

69	Satisfiability Modulo Transcendental Functions via Incremental Linearization. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 95-113	0.9	6
68	An Analytic Evaluation of SystemC Encodings in Promela. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 90-107.	0.9	6
67	Strong temporal planning with uncontrollable durations. <i>Artificial Intelligence</i> , <b>2018</b> , 256, 1-34	3.6	6
66	An SMT-based approach to weak controllability for disjunctive temporal problems with uncertainty. <i>Artificial Intelligence</i> , <b>2015</b> , 224, 1-27	3.6	5
65	Structure-aware computation of predicate abstraction <b>2009</b> ,		5
64	Software Model Checking with Explicit Scheduler and Symbolic Threads. <i>Logical Methods in Computer Science</i> , <b>2012</b> , 8,		5
63	Delayed Theory Combination vs. Nelson-Oppen for Satisfiability Modulo Theories: A Comparative Analysis. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 527-541	0.9	5
62	A Model-Based Approach to the Design, Verification and Deployment of Railway Interlocking System. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 240-254	0.9	5
61	Syntactic Optimizations for PSL Verification <b>2007</b> , 505-518		5
60	Analysis of Relay Interlocking Systems via SMT-based Model Checking of Switched Multi-Domain Kirchhoff Networks <b>2018</b> ,		5
59	Universal Invariant Checking of Parametric Systems with Quantifier-free SMT Reasoning. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 131-147	0.9	5
58	Building Efficient Decision Procedures on Top of SAT Solvers. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 144-175	0.9	5
57	Formal Specification and Verification of Dynamic Parametrized Architectures. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 625-644	0.9	4
56	Quantifier-free encoding of invariants for hybrid systems. <i>Formal Methods in System Design</i> , <b>2014</b> , 45, 165-188	1.4	4
55	Requirements Refinement and Component Reuse. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , <b>2014</b> , 209-241	0.4	4
54	From Electrical Switched Networks to Hybrid Automata. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 164-181.	0.9	4
53	Efficient Analysis of Reliability Architectures via Predicate Abstraction. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 279-294	0.9	4
52	SMT-based satisfiability of first-order LTL with event freezing functions and metric operators. <i>Information and Computation</i> , <b>2020</b> , 272, 104502	0.8	4



51	Validation of Multiagent Systems by Symbolic Model Checking. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 32-46	0.9	4
50	Integrating Boolean and Mathematical Solving: Foundations, Basic Algorithms, and Requirements. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 231-245	0.9	4
49	MathSAT: Tight Integration of SAT and Mathematical Decision Procedures <b>2005</b> , 265-293		4
48	Object Models with Temporal Constraints <b>2008</b> ,		3
47	Assumption-Based Runtime Verification of Infinite-State Systems. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 207-227	0.9	3
46	Formal Methods for Aerospace Systems <b>2017</b> , 133-159		3
45	Satisfiability checking and symbolic computation. <i>ACM Communications in Computer Algebra</i> , <b>2017</b> , 50, 145-147	0.2	2
44	Timed Failure Propagation Analysis for Spacecraft Engineering: The ESA Solar Orbiter Case Study. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 255-271	0.9	2
43	Parametric analysis of distributed firm real-time systems: A case study <b>2010</b> ,		2
42	OthelloPlay <b>2011</b> ,		2
41	MRG: BUILDING PLANNERS FOR REAL-WORLD COMPLEX APPLICATIONS. <i>Applied Artificial Intelligence</i> , <b>1994</b> , 8, 333-357	2.3	2
40	Introspective metatheoretic reasoning. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 425-439	0.9	2
39	NuRV: A nuXmv Extension for Runtime Verification. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 382-392	0.9	2
38	Synthesis of P-Stable Abstractions. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 214-230	0.9	2
37	Computation of the Transient in Max-Plus Linear Systems via SMT-Solving. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 161-177	0.9	2
36	Model-Based Design of an Energy-System Embedded Controller Using Taste. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 741-747	0.9	2
35	Efficient Scenario Verification for Hybrid Automata. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 317-332	0.9	2
34	Proving the Existence of Fair Paths in Infinite-State Systems. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 104-126	0.9	2

33	Efficient SMT-Based Analysis of Failure Propagation. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 209-230	0.9	2
32	Mechanizing multi-agent reasoning with belief contexts. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 694-699	0.9	2
31	NORMA: a tool for the analysis of Relay-based Railway Interlocking Systems. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 125-142	0.9	2
30	Tightening the contract refinements of a system architecture. <i>Formal Methods in System Design</i> , <b>2018</b> , 52, 88-116	1.4	1
29	Innovative Rover Operations Concepts - Autonomous Planner (IRONCAP) - Concluding the adventure <b>2014</b> ,		1
28	SMT-Based Software Model Checking. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 1-3	0.9	1
27	Formal specification of beliefs in multi-agent systems. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 117-130	0.9	1
26	A Many-Sorted Natural Deduction. <i>Computational Intelligence</i> , <b>1998</b> , 14, 134-149	2.5	1
25	Flexible planning by integrating multilevel reasoning. <i>Engineering Applications of Artificial Intelligence</i> , <b>1995</b> , 8, 401-412	7.2	1
24	Formalization and Validation of Safety-Critical Requirements. <i>Electronic Proceedings in Theoretical Computer Science</i> , <i>EPTCS</i> , <b>20</b> , 68-75		1
23	Model-Based Run-Time Synthesis of Architectural Configurations for Adaptive MILS Systems. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 200-215	0.9	1
22	Tightening a Contract Refinement. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 386-402	0.9	1
21	Building and executing proof strategies in a formal metatheory. <i>Lecture Notes in Computer Science</i> , <b>1993</b> , 11-22	0.9	1
20	Model-based Safety Assessment of a Triple Modular Generator with xSAP. <i>Formal Aspects of Computing</i> , <b>2021</b> , 33, 251-295	1.2	1
19	A Temporal Logics Approach to Contract-Based Design <b>2016</b> ,		1
18	Robustness Envelopes for Temporal Plans. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2019</b> , 33, 7538-7545	5	1
17	Implicit Semi-Algebraic Abstraction for Polynomial Dynamical Systems. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 529-551	0.9	1
16	Searching for Ribbon-Shaped Paths in Fair Transition Systems. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 543-560	0.9	1

15	Efficient Analysis of Cyclic Redundancy Architectures via Boolean Fault Propagation. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 273-291	0.9	1
14	Formal Design and Validation of an Automatic Train Operation Control System. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 169-178	0.9	1
13	Automatic Discovery of Fair Paths in Infinite-State Transition Systems. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 32-47	0.9	0
12	Extended bounded response LTL: a new safety fragment for efficient reactive synthesis. <i>Formal Methods in System Design</i> , 1	1.4	
11	Requirements Refinement and Component Reuse 1397-1432		
10	A Context-Based Mechanization of Multi-Agent Reasoning. <i>Applied Logic Series</i> , <b>2000</b> , 65-83		
9	Safe Decomposition of Startup Requirements: Verification and Synthesis. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 155-172	0.9	
8	A Structured Approach to the Formal Certification of Safety of Computer Aided Development Tools. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 221-230	0.9	
7	From Sequential Extended Regular Expressions to NFA with Symbolic Labels. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 87-94	0.9	
6	SMT-Based Software Model Checking. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 23-23	0.9	
5	Temporal logic satisfiability for the design of complex systems. <i>Electronic Proceedings in Theoretical Computer Science</i> , <i>EPTCS</i> , 119, 4-6		
4	A Comprehensive Approach to On-board Autonomy Verification and Validation. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2021</b> , 12, 1-29	8	
3	Optimization Modulo Non-linear Arithmetic via Incremental Linearization. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 213-231	0.9	
2	A first-order logic characterisation of safety and co-safety languages. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 244-263	0.9	
1	Diagnosability of Fair Transition Systems. <i>Artificial Intelligence</i> , <b>2022</b> , 103725	3.6	