Marco Bozzano

List of Publications by Citations

54 papers	916 citations	17 h-index	29 g-index
54 ext. papers	1,016 ext. citations	1.2 avg, IF	3.83 L-index

#	Paper	IF	Citations
54	Safety, Dependability and Performance Analysis of Extended AADL Models. *Computer Journal*, **2011**, 54, 754-775	1.3	138
53	The FSAP/NuSMV-SA Safety Analysis Platform. *International Journal on Software Tools for Technology Transfer*, **2007**, 9, 5-24	1.3	65
52	Improving System Reliability via Model Checking: The FSAP/NuSMV-SA Safety Analysis Platform. *Lecture Notes in Computer Science*, **2003**, 49-62	0.9	52
51	Verifying Industrial Hybrid Systems with MathSAT. *Electronic Notes in Theoretical Computer Science*, **2005**, 119, 17-32	0.7	46
50	The COMPASS Approach: Correctness, Modelling and Performability of Aerospace Systems. *Lecture Notes in Computer Science*, **2009**, 173-186	0.9	44
49	Design and Safety Assessment of Critical Systems		43
48	MathSAT: Tight Integration of SAT and Mathematical Decision Procedures. *Journal of Automated Reasoning*, **2005**, 35, 265-293	1	41
47	Efficient theory combination via boolean search. *Information and Computation*, **2006**, 204, 1493-1525	0.8	38
46	The xSAP Safety Analysis Platform. *Lecture Notes in Computer Science*, **2016**, 533-539	0.9	36
45	An Incremental and Layered Procedure for the Satisfiability of Linear Arithmetic Logic. *Lecture Notes in Computer Science*, **2005**, 317-333	0.9	34
44	Symbolic Fault Tree Analysis for Reactive Systems **2007**, 162-176		34
43	Spacecraft early design validation using formal methods. *Reliability Engineering and System Safety*, **2014**, 132, 20-35	6.3	33
42	Improving Safety Assessment of Complex Systems: An Industrial Case Study. *Lecture Notes in Computer Science*, **2003**, 208-222	0.9	29
41	The MathSAT 3 System. *Lecture Notes in Computer Science*, **2005**, 315-321	0.9	28
40	Efficient Satisfiability Modulo Theories via Delayed Theory Combination. *Lecture Notes in Computer Science*, **2005**, 335-349	0.9	26
39	Safety assessment of AltaRica models via symbolic model checking. *Science of Computer Programming*, **2015**, 98, 464-483	1.1	19
38	Efficient Anytime Techniques for Model-Based Safety Analysis. *Lecture Notes in Computer Science*, **2015**, 603-621	0.9	18

37	A Model Checker for AADL. *Lecture Notes in Computer Science*, **2010**, 562-565	0.9	16
36	Beyond Parameterized Verification. *Lecture Notes in Computer Science*, **2002**, 221-235	0.9	16
35	Encoding RTL Constructs for MathSAT: a Preliminary Report. *Electronic Notes in Theoretical Computer Science*, **2006**, 144, 3-14	0.7	13
34	An Integrated Process for FDIR Design in Aerospace. *Lecture Notes in Computer Science*, **2014**, 82-95	0.9	13
33	Formal Safety Assessment via Contract-Based Design. *Lecture Notes in Computer Science*, **2014**, 81-97	0.9	12
32	An effective fixpoint semantics for linear logic programs. *Theory and Practice of Logic Programming*, **2002**, 2, 85-122	0.8	12
31	Formal Design of Asynchronous Fault Detection and Identification Components using Temporal Epistemic Logic. *Logical Methods in Computer Science*, **2015**, 11,		10
30	COMPASS 3.0. *Lecture Notes in Computer Science*, **2019**, 379-385	0.9	8
29	A Symbolic Model Checking Framework for Safety Analysis, Diagnosis, and Synthesis. *Lecture Notes in Computer Science*, **2006**, 1-18	0.9	8
28	Formal Design of Fault Detection and Identification Components Using Temporal Epistemic Logic. *Lecture Notes in Computer Science*, **2014**, 326-340	0.9	8
27	Formal reliability analysis of redundancy architectures. *Formal Aspects of Computing*, **2019**, 31, 59-94	1.2	6
26	Automated Analysis of Reliability Architectures **2013**,		6
25	Verification and performance evaluation of aadl models **2009**,		6
24	Codesign of dependable systems: A component-based modeling language **2009**,		6
23	The mechanical generation of fault trees for reactive systems via retrenchment II: clocked and feedback circuits. *Formal Aspects of Computing*, **2013**, 25, 609-657	1.2	4
22	Automatic verification of secrecy properties for linear logic specifications of cryptographic protocols. *Journal of Symbolic Computation*, **2004**, 38, 1375-1415	0.8	4
21	Automated protocol verification in linear logic **2002**,		4
20	A bottom-up semantics for linear logic programs **2000**,		4

19	Efficient Analysis of Reliability Architectures via Predicate Abstraction. *Lecture Notes in Computer Science*, **2013**, 279-294	0.9	4
18	Algorithmic Verification of Invalidation-Based Protocols. *Lecture Notes in Computer Science*, **2002**, 295-308	0.9	4
17	MathSAT: Tight Integration of SAT and Mathematical Decision Procedures **2005**, 265-293		4
16	The mechanical generation of fault trees for reactive systems via retrenchment I: combinational circuits. *Formal Aspects of Computing*, **2013**, 25, 573-607	1.2	3
15	Model checking linear logic specifications. *Theory and Practice of Logic Programming*, **2004**, 4, 573-619	0.8	3
14	Formal Methods for Aerospace Systems **2017**, 133-159		3
13	Retrenchment, and the Generation of Fault Trees for Static, Dynamic and Cyclic Systems. *Lecture Notes in Computer Science*, **2006**, 127-141	0.9	3
12	Timed Failure Propagation Analysis for Spacecraft Engineering: The ESA Solar Orbiter Case Study. *Lecture Notes in Computer Science*, **2017**, 255-271	0.9	2
11	Model-Based Safety Analysis of Mode Transitions. *Lecture Notes in Computer Science*, **2020**, 99-114	0.9	2
10	Efficient SMT-Based Analysis of Failure Propagation. *Lecture Notes in Computer Science*, **2021**, 209-230	0.9	2
9	On the Relations between Disjunctive and Linear Logic Programming. *Electronic Notes in Theoretical Computer Science*, **2001**, 48, 65-89	0.7	1
8	Causality and Temporal Dependencies in the Design of Fault Management Systems. *Electronic Proceedings in Theoretical Computer Science, EPTCS*,259, 39-46		1
7	An Effective Bottom-Up Semantics for First-Order Linear Logic Programs. *Lecture Notes in Computer Science*, **2001**, 138-152	0.9	1
6	Model-based Safety Assessment of a Triple Modular Generator with xSAP. *Formal Aspects of Computing*, **2021**, 33, 251-295	1.2	1
5	Searching for Ribbon-Shaped Paths in Fair Transition Systems. *Lecture Notes in Computer Science*, **2022**, 543-560	0.9	1
4	Efficient Analysis of Cyclic Redundancy Architectures via Boolean Fault Propagation. *Lecture Notes in Computer Science*, **2022**, 273-291	0.9	1
3	Multi-agent Systems Development as a Software Engineering Enterprise. *Lecture Notes in Computer Science*, **1998**, 46-60	0.9	0
2	A Comprehensive Approach to On-board Autonomy Verification and Validation. *ACM Transactions on Intelligent Systems and Technology*, **2021**, 12, 1-29	8	

List of Publications

1 Diagnosability of Fair Transition Systems. *Artificial Intelligence*, **2022**, 103725 3.6