Marco Bozzano

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/4375698/marco-bozzano-publications-by-year.pdf
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Searching for Ribbon-Shaped Paths in Fair Transition Systems. *Lecture Notes in Computer Science*, **2022**, 543-560	0.9	1
53	Efficient Analysis of Cyclic Redundancy Architectures via Boolean Fault Propagation. *Lecture Notes in Computer Science*, **2022**, 273-291	0.9	1
52	Diagnosability of Fair Transition Systems. *Artificial Intelligence*, **2022**, 103725	3.6	
51	Model-based Safety Assessment of a Triple Modular Generator with xSAP. *Formal Aspects of Computing*, **2021**, 33, 251-295	1.2	1
50	A Comprehensive Approach to On-board Autonomy Verification and Validation. *ACM Transactions on Intelligent Systems and Technology*, **2021**, 12, 1-29	8	
49	Efficient SMT-Based Analysis of Failure Propagation. *Lecture Notes in Computer Science*, **2021**, 209-230	0.9	2
48	Model-Based Safety Analysis of Mode Transitions. *Lecture Notes in Computer Science*, **2020**, 99-114	0.9	2
47	Formal reliability analysis of redundancy architectures. *Formal Aspects of Computing*, **2019**, 31, 59-94	1.2	6
46	COMPASS 3.0. *Lecture Notes in Computer Science*, **2019**, 379-385	0.9	8
45	Timed Failure Propagation Analysis for Spacecraft Engineering: The ESA Solar Orbiter Case Study. *Lecture Notes in Computer Science*, **2017**, 255-271	0.9	2
44	Formal Methods for Aerospace Systems **2017**, 133-159		3
43	The xSAP Safety Analysis Platform. *Lecture Notes in Computer Science*, **2016**, 533-539	0.9	36
42	Safety assessment of AltaRica models via symbolic model checking. *Science of Computer Programming*, **2015**, 98, 464-483	1.1	19
41	Formal Design of Asynchronous Fault Detection and Identification Components using Temporal Epistemic Logic. *Logical Methods in Computer Science*, **2015**, 11,		10
40	Efficient Anytime Techniques for Model-Based Safety Analysis. *Lecture Notes in Computer Science*, **2015**, 603-621	0.9	18
39	Spacecraft early design validation using formal methods. *Reliability Engineering and System Safety*, **2014**, 132, 20-35	6.3	33
38	Formal Safety Assessment via Contract-Based Design. *Lecture Notes in Computer Science*, **2014**, 81-97	0.9	12

37	An Integrated Process for FDIR Design in Aerospace. *Lecture Notes in Computer Science*, **2014**, 82-95	0.9	13
36	Formal Design of Fault Detection and Identification Components Using Temporal Epistemic Logic. *Lecture Notes in Computer Science*, **2014**, 326-340	0.9	8
35	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
34	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
33	Automated Analysis of Reliability Architectures **2013**,		6
32	Efficient Analysis of Reliability Architectures via Predicate Abstraction. *Lecture Notes in Computer Science*, **2013**, 279-294	0.9	4
31	Safety, Dependability and Performance Analysis of Extended AADL Models. *Computer Journal*, **2011** , 54, 754-775	1.3	138
30	A Model Checker for AADL. *Lecture Notes in Computer Science*, **2010**, 562-565	0.9	16
29	Verification and performance evaluation of aadl models **2009**,		6
28	Codesign of dependable systems: A component-based modeling language **2009**,		6
27	The COMPASS Approach: Correctness, Modelling and Performability of Aerospace Systems. *Lecture Notes in Computer Science*, **2009**, 173-186	0.9	44
26	The FSAP/NuSMV-SA Safety Analysis Platform. *International Journal on Software Tools for Technology Transfer*, **2007**, 9, 5-24	1.3	65
25	Symbolic Fault Tree Analysis for Reactive Systems **2007**, 162-176		34
24	Efficient theory combination via boolean search. *Information and Computation*, **2006**, 204, 1493-1525	0.8	38
23	Encoding RTL Constructs for MathSAT: a Preliminary Report. *Electronic Notes in Theoretical Computer Science*, **2006**, 144, 3-14	0.7	13
22	A Symbolic Model Checking Framework for Safety Analysis, Diagnosis, and Synthesis. *Lecture Notes in Computer Science*, **2006**, 1-18	0.9	8
21	Retrenchment, and the Generation of Fault Trees for Static, Dynamic and Cyclic Systems. *Lecture Notes in Computer Science*, **2006**, 127-141	0.9	3
20	An Incremental and Layered Procedure for the Satisfiability of Linear Arithmetic Logic. *Lecture Notes in Computer Science*, **2005**, 317-333	0.9	34

19	Verifying Industrial Hybrid Systems with MathSAT. *Electronic Notes in Theoretical Computer Science*, **2005**, 119, 17-32	0.7	46
18	MathSAT: Tight Integration of SAT and Mathematical Decision Procedures. *Journal of Automated Reasoning*, **2005**, 35, 265-293	1	41
17	Efficient Satisfiability Modulo Theories via Delayed Theory Combination. *Lecture Notes in Computer Science*, **2005**, 335-349	0.9	26
16	The MathSAT 3 System. *Lecture Notes in Computer Science*, **2005**, 315-321	0.9	28
15	MathSAT: Tight Integration of SAT and Mathematical Decision Procedures **2005**, 265-293		4
14	Automatic verification of secrecy properties for linear logic specifications of cryptographic protocols. *Journal of Symbolic Computation*, **2004**, 38, 1375-1415	0.8	4
13	Model checking linear logic specifications. *Theory and Practice of Logic Programming*, **2004**, 4, 573-619	0.8	3
12	Improving System Reliability via Model Checking: The FSAP/NuSMV-SA Safety Analysis Platform. *Lecture Notes in Computer Science*, **2003**, 49-62	0.9	52
11	Improving Safety Assessment of Complex Systems: An Industrial Case Study. *Lecture Notes in Computer Science*, **2003**, 208-222	0.9	29
10	Automated protocol verification in linear logic **2002**,		4
9	An effective fixpoint semantics for linear logic programs. *Theory and Practice of Logic Programming*, **2002**, 2, 85-122	0.8	12
8	Algorithmic Verification of Invalidation-Based Protocols. *Lecture Notes in Computer Science*, **2002**, 295-308	0.9	4
7	Beyond Parameterized Verification. *Lecture Notes in Computer Science*, **2002**, 221-235	0.9	16
6	On the Relations between Disjunctive and Linear Logic Programming. *Electronic Notes in Theoretical Computer Science*, **2001**, 48, 65-89	0.7	1
5	An Effective Bottom-Up Semantics for First-Order Linear Logic Programs. *Lecture Notes in Computer Science*, **2001**, 138-152	0.9	1
4	A bottom-up semantics for linear logic programs **2000**,		4
3	Multi-agent Systems Development as a Software Engineering Enterprise. *Lecture Notes in Computer Science*, **1998**, 46-60	0.9	0
2	Design and Safety Assessment of Critical Systems		43

1 Causality and Temporal Dependencies in the Design of Fault Management Systems. *Electronic Proceedings in Theoretical Computer Science, EPTCS*,259, 39-46 1