

Enrico Tronci

List of Publications by Year in descending order

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83
all docs

83
docs citations

83
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Residential Demand Management Using Individualized Demand Aware Price Policies. IEEE Transactions on Smart Grid, 2017, 8, 1284-1294.	6.2	52
2	Exploiting transition locality in automatic verification of finite-state concurrent systems. International Journal on Software Tools for Technology Transfer, 2004, 6, 320-341.	1.7	37
3	Neuroprediction and A.I. in Forensic Psychiatry and Criminal Justice: A Neurolaw Perspective. Frontiers in Psychology, 2020, 11, 220.	1.1	36
4	Lack of Associations between Female Hormone Levels and Visuospatial Working Memory, Divided Attention and Cognitive Bias across Two Consecutive Menstrual Cycles. Frontiers in Behavioral Neuroscience, 2017, 11, 120.	1.0	29
5	Negative affect is unrelated to fluctuations in hormone levels across the menstrual cycle: Evidence from a multisite observational study across two successive cycles. Journal of Psychosomatic Research, 2017, 99, 21-27.	1.2	25
6	System Level Formal Verification via Model Checking Driven Simulation. Lecture Notes in Computer Science, 2013, , 296-312.	1.0	24
7	Demand-aware price policy synthesis and verification services for Smart Grids. , 2014, , .		22
8	Model-based synthesis of control software from system-level formal specifications. ACM Transactions on Software Engineering and Methodology, 2014, 23, 1-42.	4.8	21
9	System Level Formal Verification via Distributed Multi-core Hardware in the Loop Simulation. , 2014, , .		21
10	Fluid Petri Nets and hybrid model-checking: a comparative case study. Reliability Engineering and System Safety, 2003, 81, 239-257.	5.1	20
11	Finite horizon analysis of Markov Chains with the MurĀ verifier. International Journal on Software Tools for Technology Transfer, 2006, 8, 397-409.	1.7	20
12	Validation and verification issues in a timeline-based planning system. Knowledge Engineering Review, 2010, 25, 299-318.	2.1	18
13	Anytime System Level Verification via Random Exhaustive Hardware in the Loop Simulation. , 2014, , .		17
14	Synchronized regular expressions. Acta Informatica, 2003, 39, 31-70.	0.5	16
15	Computing Biological Model Parameters by Parallel Statistical Model Checking. Lecture Notes in Computer Science, 2015, , 542-554.	1.0	16
16	Synthesis of Quantized Feedback Control Software for Discrete Time Linear Hybrid Systems. Lecture Notes in Computer Science, 2010, , 180-195.	1.0	16
17	Formal Models of Timing Attacks on Web Privacy ¹ ¹ Research partially supported by MURST Progetto Cofinanziato TOSCA.. Electronic Notes in Theoretical Computer Science, 2002, 62, 229-243.	0.9	15
18	Patient-specific models from inter-patient biological models and clinical records. , 2014, , .		15

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19	Anytime system level verification via parallel random exhaustive hardware in the loop simulation. <i>Microprocessors and Microsystems</i> , 2016, 41, 12-28.	1.8	15
20	Linearizing Discrete-Time Hybrid Systems. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 5357-5364.	3.6	15
21	SyLVaaS: System Level Formal Verification as a Service*. <i>Fundamenta Informaticae</i> , 2016, 149, 101-132.	0.3	14
22	Exploiting Transition Locality in Automatic Verification. <i>Lecture Notes in Computer Science</i> , 2001, , 259-274.	1.0	14
23	User Flexibility Aware Price Policy Synthesis for Smart Grids. , 2015, , .		13
24	On minimising the maximum expected verification time. <i>Information Processing Letters</i> , 2017, 122, 8-16.	0.4	13
25	Parallel Statistical Model Checking for Safety Verification in Smart Grids. , 2018, , .		13
26	Exploiting Transition Locality in the Disk Based Murĭ• Verifier. <i>Lecture Notes in Computer Science</i> , 2002, , 202-219.	1.0	13
27	Automatic Verification of a Turbogas Control System with the Murĭ† Verifier. <i>Lecture Notes in Computer Science</i> , 2003, , 141-155.	1.0	12
28	Automated analysis of timed security: a case study on web privacy. <i>International Journal of Information Security</i> , 2004, 2, 168-186.	2.3	11
29	SyLVaaS: System Level Formal Verification as a Service. , 2015, , .		11
30	Optimal Personalised Treatment Computation through In Silico Clinical Trials on Patient Digital Twins*. <i>Fundamenta Informaticae</i> , 2020, 174, 283-310.	0.3	11
31	Risk analysis via heterogeneous models of SCADA interconnecting Power Grids and Telco networks. , 2009, , .		9
32	Automatic control software synthesis for quantized discrete time hybrid systems. , 2012, , .		9
33	Reconciling interoperability with efficient Verification and Validation within open source simulation environments. <i>Simulation Modelling Practice and Theory</i> , 2021, 109, 102277.	2.2	9
34	A Symbolic Model Checker for ACTL. <i>Lecture Notes in Computer Science</i> , 1999, , 228-242.	1.0	9
35	On model based synthesis of embedded control software. , 2012, , .		8
36	A Glimpse of SmartHG Project Test-bed and Communication Infrastructure. , 2015, , .		8

#	ARTICLE	IF	CITATIONS
37	Associations Between Natural Physiological and Supraphysiological Estradiol Levels and Stress Perception. <i>Frontiers in Psychology</i> , 2019, 10, 1296.	1.1	8
38	About systems of equations, X-separability, and left-invertibility in the $\hat{\lambda}$ -calculus. <i>Information and Computation</i> , 1991, 90, 1-32.	0.5	7
39	Monte Carlo Based Statistical Model Checking of Cyber-Physical Systems: A Review. <i>Information (Switzerland)</i> , 2020, 11, 588.	1.7	7
40	On-the-Fly Control Software Synthesis. <i>Lecture Notes in Computer Science</i> , 2013, , 61-80.	1.0	7
41	REGULAR SYSTEMS OF EQUATIONS IN $\hat{\lambda}$ -CALCULUS. <i>International Journal of Foundations of Computer Science</i> , 1990, 01, 325-339.	0.8	6
42	Automatic Analysis of the NRL Pump. <i>Electronic Notes in Theoretical Computer Science</i> , 2004, 99, 245-266.	0.9	6
43	Solving Equations in Lambda-Calculus. <i>Studies in Logic and the Foundations of Mathematics</i> , 1989, 127, 139-160.	0.2	5
44	Flexible Plan Verification: Feasibility Results. <i>Fundamenta Informaticae</i> , 2011, 107, 111-137.	0.3	5
45	Modeling cyber-physical systems for automatic verification. , 2017, , .		5
46	A Two-Layer Near-Optimal Strategy for Substation Constraint Management via Home Batteries. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 8566-8578.	5.2	5
47	Mathematical Modeling and Simulation Provides Evidence for New Strategies of Ovarian Stimulation. <i>Frontiers in Endocrinology</i> , 2021, 12, 613048.	1.5	5
48	Model-Checking Based on Fluid Petri Nets for the Temperature Control System of the ICARO Co-generative Plant. <i>Lecture Notes in Computer Science</i> , 2002, , 273-283.	1.0	5
49	Automated Generation of Optimal Controllers through Model Checking Techniques. , 2008, , 107-119.		5
50	Automatic Synthesis of Robust Numerical Controllers. , 2007, , .		4
51	CGMurphi: Automatic synthesis of numerical controllers for nonlinear hybrid systems. <i>European Journal of Control</i> , 2013, 19, 14-36.	1.6	4
52	An Efficient Algorithm for Network Vulnerability Analysis Under Malicious Attacks. <i>Lecture Notes in Computer Science</i> , 2018, , 302-312.	1.0	4
53	Disk Based Software Verification via Bounded Model Checking. , 2007, , .		3
54	A Multi-Hop Advertising Discovery and Delivering Protocol for Multi Administrative Domain MANET. <i>Mobile Information Systems</i> , 2013, 9, 261-280.	0.4	3

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55	Cognitive function in association with high estradiol levels resulting from fertility treatment. <i>Hormones and Behavior</i> , 2021, 130, 104951.	1.0	3
56	Integrating RAM and Disk Based Verification within the MurĀ Verifier. <i>Lecture Notes in Computer Science</i> , 2003, , 277-282.	1.0	3
57	Equational programming in Ā-calculus via SL-systems. Part 1. <i>Theoretical Computer Science</i> , 1996, 160, 145-184.	0.5	2
58	Equational programming in Ā-calculus via SL-systems. Part 2. <i>Theoretical Computer Science</i> , 1996, 160, 185-216.	0.5	2
59	Model Checking Nash Equilibria in MAD Distributed Systems. , 2008, , .		2
60	MILP, Pseudo-Boolean, and OMT Solvers for Optimal Fault-Tolerant Placements of Relay Nodes in Mission Critical Wireless Networks*. <i>Fundamenta Informaticae</i> , 2020, 174, 229-258.	0.3	2
61	On checking equivalence of simulation scripts. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2021, 120, 100640.	0.4	2
62	Model Checking Coalition Nash Equilibria in MAD Distributed Systems. <i>Lecture Notes in Computer Science</i> , 2009, , 531-546.	1.0	2
63	Simulator Semantics for System Level Formal Verification. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 193, 86-99.	0.8	2
64	Model Checking Cyber-Physical Energy Systems. , 2017, , .		1
65	A methodology for a complete simulation of Cyber-Physical Energy Systems. , 2018, , .		1
66	CEGAR Based Bounded Model Checking of Discrete Time Hybrid Systems. , 2007, , 399-412.		1
67	Defining data structures via BĀhm-out. <i>Journal of Functional Programming</i> , 1995, 5, 51-64.	0.5	0
68	Synchronized Regular Expressions1 1An extended version of this paper is considered for publication in <i>Acta Informatica</i> . <i>Electronic Notes in Theoretical Computer Science</i> , 2002, 62, 195-210.	0.9	0
69	Introductory Paper. <i>International Journal on Software Tools for Technology Transfer</i> , 2006, 8, 355-358.	1.7	0
70	Disk Based Software Verification via Bounded Model Checking. <i>Proceedings of the Asia Pacific Software Engineering Conference</i> , 2007, , .	0.0	0
71	Parallelization of Cycle-Based Logic Simulation. <i>Parallel Processing Letters</i> , 2017, 27, 1750003.	0.4	0
72	Preface for the special issue GandALF 2015. <i>Acta Informatica</i> , 2018, 55, 89-90.	0.5	0

#	ARTICLE	IF	CITATIONS
73	A Constraint Optimization-Based Sense and Response System for Interactive Business Performance Management. Applied Artificial Intelligence, 2021, 35, 353-372.	2.0	0
74	Visualisation of Control Software for Cyber-Physical Systems. Information (Switzerland), 2021, 12, 178.	1.7	0
75	Automatic Analysis of a Safety Critical Tele Control System. Lecture Notes in Computer Science, 2005, , 94-107.	1.0	0
76	Exploiting Hub States in Automatic Verification. Lecture Notes in Computer Science, 2005, , 54-68.	1.0	0