

Fabio Fioravanti

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

333
citations

840776

11
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996975

15
g-index

30
all docs

30
docs citations

30
times ranked

126
citing authors

#	ARTICLE	IF	CITATIONS
1	VeriMAP: A Tool for Verifying Programs through Transformations. Lecture Notes in Computer Science, 2014, , 568-574.	1.3	52
2	Generalization strategies for the verification of infinite state systems. Theory and Practice of Logic Programming, 2013, 13, 175-199.	1.5	32
3	Program verification via iterated specialization. Science of Computer Programming, 2014, 95, 149-175.	1.9	30
4	Relational Verification Through Horn Clause Transformation. Lecture Notes in Computer Science, 2016, , 147-169.	1.3	22
5	Solving Horn Clauses on Inductive Data Types Without Induction. Theory and Practice of Logic Programming, 2018, 18, 452-469.	1.5	19
6	Analysis and Transformation of Constrained Horn Clauses for Program Verification. Theory and Practice of Logic Programming, 2022, 22, 974-1042.	1.5	19
7	Evaluation of complex security scenarios using defense trees and economic indexes. Journal of Experimental and Theoretical Artificial Intelligence, 2012, 24, 161-192.	2.8	17
8	Automated Strategies for Specializing Constraint Logic Programs. Lecture Notes in Computer Science, 2001, , 125-146.	1.3	17
9	Proving correctness of imperative programs by linearizing constrained Horn clauses. Theory and Practice of Logic Programming, 2015, 15, 635-650.	1.5	15
10	Generation of Test Data Structures Using Constraint Logic Programming. Lecture Notes in Computer Science, 2012, , 115-131.	1.3	15
11	A Rule-based Verification Strategy for Array Manipulating Programs. Fundamenta Informaticae, 2015, 140, 329-355.	0.4	9
12	Predicate Pairing for program verification. Theory and Practice of Logic Programming, 2018, 18, 126-166.	1.5	9
13	Improving Reachability Analysis of Infinite State Systems by Specialization. Fundamenta Informaticae, 2012, 119, 281-300.	0.4	8
14	Removing Algebraic Data Types from Constrained Horn Clauses Using Difference Predicates. Lecture Notes in Computer Science, 2020, , 83-102.	1.3	8
15	Verifying Catamorphism-Based Contracts using Constrained Horn Clauses. Theory and Practice of Logic Programming, 0, , 1-18.	1.5	6
16	Controlling Polyvariance for Specialization-based Verification. Fundamenta Informaticae, 2013, 124, 483-502.	0.4	5
17	Rules and Strategies for Contextual Specialization of Constraint Logic Programs. Electronic Notes in Theoretical Computer Science, 2000, 30, 129-144.	0.9	4
18	Program transformation for development, verification, and synthesis of programs. Intelligenza Artificiale, 2011, 5, 119-125.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Proving Theorems by Program Transformation. <i>Fundamenta Informaticae</i> , 2013, 127, 115-134.	0.4	3
20	Program Verification using Constraint Handling Rules and Array Constraint Generalizations*. <i>Fundamenta Informaticae</i> , 2017, 150, 73-117.	0.4	3
21	Lemma Generation for Horn Clause Satisfiability: A Preliminary Study. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 299, 4-18.	0.8	3
22	Satisfiability of constrained Horn clauses on algebraic data types: A transformation-based approach. <i>Journal of Logic and Computation</i> , 0, , .	0.8	3
23	Semantics and Controllability of Time-Aware Business Processes*. <i>Fundamenta Informaticae</i> , 2019, 165, 205-244.	0.4	2
24	Predicate Pairing with Abstraction for Relational Verification. <i>Lecture Notes in Computer Science</i> , 2018, , 289-305.	1.3	2
25	Property-Based Test Case Generators for Free. <i>Lecture Notes in Computer Science</i> , 2019, , 186-206.	1.3	2
26	Proving Properties of Sorting Programs: A Case Study in Horn Clause Verification. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 296, 48-75.	0.8	2
27	Solving Horn Clauses on Inductive Data Types Without Induction – ERRATUM. <i>Theory and Practice of Logic Programming</i> , 2019, 19, 629.	1.5	1
28	Transformational Verification of Quicksort. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 320, 95-109.	0.8	0