Roberto Bruttomesso

List of Publications by Year
in descending order

15 papers	533 citations	933447 10 h-index	1199594 12 g-index
15 all docs	15 docs citations	15 times ranked	255 citing authors

#	Article	IF	Citations
1	The MathSATÂ4 SMT Solver. Lecture Notes in Computer Science, 2008, , 299-303.	1.3	127
2	The OpenSMT Solver. Lecture Notes in Computer Science, 2010, , 150-153.	1.3	79
3	MathSAT: Tight Integration of SAT and Mathematical Decision Procedures. Journal of Automated Reasoning, 2005, 35, 265-293.	1.4	46
4	An Incremental and Layered Procedure for the Satisfiability of Linear Arithmetic Logic. Lecture Notes in Computer Science, 2005, , 317-333.	1.3	43
5	Efficient theory combination via boolean search. Information and Computation, 2006, 204, 1493-1525.	0.7	41
6	Lazy Abstraction with Interpolants for Arrays. Lecture Notes in Computer Science, 2012, , 46-61.	1.3	40
7	A Lazy and Layered SMT($mathcal{BV}$) Solver for Hard Industrial Verification Problems. , 2007, , 547-560.		34
8	SAFARI: SMT-Based Abstraction for Arrays with Interpolants. Lecture Notes in Computer Science, 2012, , 679-685.	1.3	30
9	An extension of lazy abstraction with interpolation for programs with arrays. Formal Methods in System Design, 2014, 45, 63-109.	0.8	21
10	Quantifier-Free Interpolation of a Theory of Arrays. Logical Methods in Computer Science, 0, Volume 8, Issue 2, .	0.4	19
11	Delayed theory combination vs. Nelson-Oppen for satisfiability modulo theories: a comparative analysis. Annals of Mathematics and Artificial Intelligence, 2009, 55, 63-99.	1.3	12
12	To Ackermann-ize or Not to Ackermann-ize? On Efficiently Handling Uninterpreted Function Symbols in $mathit{SMT}(mathcal{EUF} cup mathcal{T})$. Lecture Notes in Computer Science, 2006, , 557-571.	1.3	12
13	Verifying Heap-Manipulating Programs in an SMT Framework. , 2007, , 237-252.		10
14	Delayed Theory Combination vs. Nelson-Oppen for Satisfiability Modulo Theories: A Comparative Analysis. Lecture Notes in Computer Science, 2006, , 527-541.	1.3	10
15	From Strong Amalgamability to Modularity of Quantifier-Free Interpolation. Lecture Notes in Computer Science, 2012, , 118-133.	1.3	9