

# Roberto Bruttomesso

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10911327/publications.pdf>

Version: 2024-02-01

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	An extension of lazy abstraction with interpolation for programs with arrays. Formal Methods in System Design, 2014, 45, 63-109.	0.8	21
2	Lazy Abstraction with Interpolants for Arrays. Lecture Notes in Computer Science, 2012, , 46-61.	1.3	40
3	From Strong Amalgamability to Modularity of Quantifier-Free Interpolation. Lecture Notes in Computer Science, 2012, , 118-133.	1.3	9
4	SAFARI: SMT-Based Abstraction for Arrays with Interpolants. Lecture Notes in Computer Science, 2012, , 679-685.	1.3	30
5	The OpenSMT Solver. Lecture Notes in Computer Science, 2010, , 150-153.	1.3	79
6	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
7	The MathSAT4 SMT Solver. Lecture Notes in Computer Science, 2008, , 299-303.	1.3	127
8	A Lazy and Layered SMT( $\mathcal{BV}$ ) Solver for Hard Industrial Verification Problems. , 2007, , 547-560.		34
9	Verifying Heap-Manipulating Programs in an SMT Framework. , 2007, , 237-252.		10
10	Efficient theory combination via boolean search. Information and Computation, 2006, 204, 1493-1525.	0.7	41
11	To Ackermann-ize or Not to Ackermann-ize? On Efficiently Handling Uninterpreted Function Symbols in $\text{SMT}(\text{EUF} \text{ cup } \text{T})$ . Lecture Notes in Computer Science, 2006, , 557-571.	1.3	12
12	Delayed Theory Combination vs. Nelson-Oppen for Satisfiability Modulo Theories: A Comparative Analysis. Lecture Notes in Computer Science, 2006, , 527-541.	1.3	10
13	MathSAT: Tight Integration of SAT and Mathematical Decision Procedures. Journal of Automated Reasoning, 2005, 35, 265-293.	1.4	46
14	An Incremental and Layered Procedure for the Satisfiability of Linear Arithmetic Logic. Lecture Notes in Computer Science, 2005, , 317-333.	1.3	43
15	Quantifier-Free Interpolation of a Theory of Arrays. Logical Methods in Computer Science, 0, Volume 8, Issue 2, .	0.4	19