Ahmed Bouajjani

List of Publications by Year
in descending order

36 papers	1,516 citations	304602 22 h-index	345118 36 g-index
37 all docs	37 docs citations	37 times ranked	369 citing authors

#	Article	IF	Citations
1	Reachability analysis of pushdown automata: Application to model-checking. Lecture Notes in Computer Science, 1997, , 135-150.	1.0	352
2	Regular Model Checking. Lecture Notes in Computer Science, 2000, , 403-418.	1.0	162
3	Abstract Regular Model Checking. Lecture Notes in Computer Science, 2004, , 372-386.	1.0	84
4	Regular Symbolic Analysis of Dynamic Networks of Pushdown Systems. Lecture Notes in Computer Science, 2005, , 473-487.	1.0	79
5	Symbolic reachability analysis of FIFO-channel systems with nonregular sets of configurations. Theoretical Computer Science, 1999, 221, 211-250.	0.5	56
6	Abstract Regular Tree Model Checking of Complex Dynamic Data Structures. Lecture Notes in Computer Science, 2006, , 52-70.	1.0	53
7	Handling Global Conditions in Parametrized System Verification. Lecture Notes in Computer Science, 1999, , 134-145.	1.0	52
8	Verifying Programs with Dynamic 1-Selector-Linked Structures in Regular Model Checking. Lecture Notes in Computer Science, 2005, , 13-29.	1.0	41
9	Extrapolating Tree Transformations. Lecture Notes in Computer Science, 2002, , 539-554.	1.0	32
10	On the Reachability Analysis of Acyclic Networks of Pushdown Systems. Lecture Notes in Computer Science, 2008, , 356-371.	1.0	32
11	A Logic-Based Framework for Reasoning about Composite Data Structures. Lecture Notes in Computer Science, 2009, , 178-195.	1.0	31
12	Symbolic Verification of Lossy Channel Systems: Application to the Bounded Retransmission Protocol. Lecture Notes in Computer Science, 1999, , 208-222.	1.0	30
13	Antichain-Based Universality and Inclusion Testing over Nondeterministic Finite Tree Automata. Lecture Notes in Computer Science, 2008, , 57-67.	1.0	30
14	Abstract regular (tree) model checking. International Journal on Software Tools for Technology Transfer, 2012, 14, 167-191.	1.7	27
15	Accurate Invariant Checking for Programs Manipulating Lists and Arrays with Infinite Data. Lecture Notes in Computer Science, 2012, , 167-182.	1.0	27
16	Bounded Phase Analysis of Message-Passing Programs. Lecture Notes in Computer Science, 2012, , 451-465.	1.0	26
17	Detecting Fair Non-termination in Multithreaded Programs. Lecture Notes in Computer Science, 2012, , 210-226.	1.0	26
18	Abstract Regular Tree Model Checking. Electronic Notes in Theoretical Computer Science, 2006, 149, 37-48.	0.9	25

#	Article	IF	Citations
19	Reachability Analysis of Process Rewrite Systems. Lecture Notes in Computer Science, 2003, , 74-87.	1.0	25
20	On Computing Reachability Sets of Process Rewrite Systems. Lecture Notes in Computer Science, 2005, , 484-499.	1.0	24
21	A Generic Approach to the Static Analysis of Concurrent Programs with Procedures. International Journal of Foundations of Computer Science, 2003, 14, 551-582.	0.8	23
22	Permutation rewriting and algorithmic verification. Information and Computation, 2007, 205, 199-224.	0.5	23
23	Verification of parametric concurrent systems withÂprioritised FIFO resource management. Formal Methods in System Design, 2008, 32, 129-172.	0.9	23
24	Languages, Rewriting Systems, and Verification of Infinite-State Systems. Lecture Notes in Computer Science, 2001, , 24-39.	1.0	22
25	On Sequentializing Concurrent Programs. Lecture Notes in Computer Science, 2011, , 129-145.	1.0	21
26	Analysis of recursively parallel programs. ACM SIGPLAN Notices, 2012, 47, 203-214.	0.2	20
27	A logic of reachable patterns in linked data-structures. The Journal of Logic and Algebraic Programming, 2007, 73, 111-142.	1.4	15
28	Handling Liveness Properties in (Ï‰-)Regular Model Checking. Electronic Notes in Theoretical Computer Science, 2005, 138, 101-115.	0.9	14
29	Rewriting Models of Boolean Programs. Lecture Notes in Computer Science, 2006, , 136-150.	1.0	12
30	On inter-procedural analysis of programs with lists and data. ACM SIGPLAN Notices, 2011, 46, 578-589.	0.2	11
31	Analysis of recursively parallel programs. , 2012, , .		10
32	Bounded phase analysis of message-passing programs. International Journal on Software Tools for Technology Transfer, 2014, 16, 127-146.	1.7	9
33	Reachability Analysis of Synchronized PA Systems. Electronic Notes in Theoretical Computer Science, 2005, 138, 153-178.	0.9	8
34	Widening techniques for regular tree model checking. International Journal on Software Tools for Technology Transfer, 2012, 14, 145-165.	1.7	6
35	Composed Bisimulation for Tree Automata. Lecture Notes in Computer Science, 2008, , 212-222.	1.0	6
36	COMPOSED BISIMULATION FOR TREE AUTOMATA. International Journal of Foundations of Computer Science, 2009, 20, 685-700.	0.8	4