

Rastislav Bodik

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11414434/publications.pdf>

Version: 2024-02-01

53
papers

3,714
citations

471509

17
h-index

434195

31
g-index

54
all docs

54
docs citations

54
times ranked

1861
citing authors

#	ARTICLE	IF	CITATIONS
1	Programming With Models: Writing Statistical Algorithms for General Model Structures With NIMBLE. Journal of Computational and Graphical Statistics, 2017, 26, 403-413.	1.7	534
2	Mining specifications. , 2002, , .		437
3	Combinatorial sketching for finite programs. , 2006, , .		377
4	Syntax-guided synthesis. , 2013, , .		303
5	Jungloid mining. , 2005, , .		255
6	Demand-driven points-to analysis for Java. , 2005, , .		141
7	Sketching concurrent data structures. , 2008, , .		125
8	Growing solver-aided languages with rosette. , 2013, , .		125
9	Jungloid mining. ACM SIGPLAN Notices, 2005, 40, 48-61.	0.2	124
10	Mining specifications. ACM SIGPLAN Notices, 2002, 37, 4-16.	0.2	116
11	Angelic debugging. , 2011, , .		98
12	Sketching stencils. , 2007, , .		93
13	Synthesizing highly expressive SQL queries from input-output examples. , 2017, , .		89
14	Combinatorial sketching for finite programs. ACM SIGPLAN Notices, 2006, 41, 404-415.	0.2	74
15	Fast and parallel webpage layout. , 2010, , .		72
16	Refinement-based context-sensitive points-to analysis for Java. ACM SIGPLAN Notices, 2006, 41, 387-400.	0.2	65
17	Programming by sketching for bit-streaming programs. ACM SIGPLAN Notices, 2005, 40, 281-294.	0.2	62
18	A lightweight symbolic virtual machine for solver-aided host languages. ACM SIGPLAN Notices, 2014, 49, 530-541.	0.2	54

#	ARTICLE	IF	CITATIONS
19	Scaling up Superoptimization. , 2016, , .		45
20	Synthesizing highly expressive SQL queries from input-output examples. ACM SIGPLAN Notices, 2017, 52, 452-466.	0.2	37
21	Sampling invariants from frequency distributions. , 2017, , .		30
22	Synthesizing Signaling Pathways from Temporal Phosphoproteomic Data. Cell Reports, 2018, 24, 3607-3618.	6.4	30
23	Programming with angelic nondeterminism. , 2010, , .		29
24	Refining data flow information using infeasible paths. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 1997, 22, 361-377.	0.7	27
25	Algorithmic program synthesis: introduction. International Journal on Software Tools for Technology Transfer, 2013, 15, 397-411.	1.9	27
26	Sketching stencils. ACM SIGPLAN Notices, 2007, 42, 167-178.	0.2	25
27	Type inference for locality analysis of distributed data structures. , 2008, , .		25
28	Synthesis of biological models from mutation experiments. , 2013, , .		24
29	Parallel schedule synthesis for attribute grammars. , 2013, , .		24
30	Rapid profiling via stratified sampling. , 2001, , .		23
31	Sketching concurrent data structures. ACM SIGPLAN Notices, 2008, 43, 136-148.	0.2	23
32	Complete removal of redundant expressions. ACM SIGPLAN Notices, 1998, 33, 1-14.	0.2	22
33	Debugging temporal specifications with concept analysis. ACM SIGPLAN Notices, 2003, 38, 182-195.	0.2	22
34	Chlorophyll. ACM SIGPLAN Notices, 2014, 49, 396-407.	0.2	21
35	Accelerating Syntax-Guided Invariant Synthesis. Lecture Notes in Computer Science, 2018, , 251-269.	1.3	20
36	Focusing processor policies via critical-path prediction. Computer Architecture News, 2001, 29, 74-85.	2.5	14

#	ARTICLE	IF	CITATIONS
37	Load-reuse analysis. ACM SIGPLAN Notices, 1999, 34, 64-76.	0.2	11
38	Summary-based symbolic evaluation for smart contracts. , 2020, , .		10
39	Iterative Search for Reconfigurable Accelerator Blocks With a Compiler in the Loop. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2019, 38, 407-418.	2.7	9
40	Synthesis of first-order dynamic programming algorithms. ACM SIGPLAN Notices, 2011, 46, 83-98.	0.2	8
41	Toward tool support for interactive synthesis. , 2015, , .		8
42	Verifying and improving Halide's term rewriting system with program synthesis. , 2020, 4, 1-28.		8
43	Array Data Flow Analysis for Load-Store Optimizations in Fine-Grain Architectures. International Journal of Parallel Programming, 1996, 24, 481-512.	1.5	7
44	Interprocedural conditional branch elimination. ACM SIGPLAN Notices, 1997, 32, 146-158.	0.2	6
45	Rapid profiling via stratified sampling. Computer Architecture News, 2001, 29, 278-289.	2.5	6
46	Runtime specialization with optimistic heap analysis. ACM SIGPLAN Notices, 2005, 40, 327-343.	0.2	6
47	Toward Synthesizing Executable Models in Biology. Frontiers in Bioengineering and Biotechnology, 2014, 2, 75.	4.1	5
48	Scaling up Superoptimization. ACM SIGPLAN Notices, 2016, 51, 297-310.	0.2	5
49	Partial dead code elimination using slicing transformations. ACM SIGPLAN Notices, 1997, 32, 159-170.	0.2	4
50	Scaling up Superoptimization. Computer Architecture News, 2016, 44, 297-310.	2.5	4
51	Learning inductive invariants by sampling from frequency distributions. Formal Methods in System Design, 2020, 56, 154-177.	0.8	2
52	Scaling up Superoptimization. Operating Systems Review (ACM), 2016, 50, 297-310.	1.9	2
53	Synthesis of layout engines from relational constraints. ACM SIGPLAN Notices, 2015, 50, 74-88.	0.2	0