

# Shaz Qadeer

## List of Publications by Year in descending order

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47  
papers

2,773  
citations

448610

19  
h-index

406436

35  
g-index

50  
all docs

50  
docs citations

50  
times ranked

943  
citing authors

#	ARTICLE	IF	CITATIONS
1	Armada: Automated Verification of Concurrent Code with Sound Semantic Extensibility. ACM Transactions on Programming Languages and Systems, 2022, 44, 1-39.	1.7	1
2	Building Reliable Cloud Services Using Coyote Actors. , 2021, , .		3
3	Armada: low-effort verification of high-performance concurrent programs. , 2020, , .		15
4	Automated and Modular Refinement Reasoning for Concurrent Programs. Lecture Notes in Computer Science, 2015, , 449-465.	1.0	34
5	Barrier invariants. ACM SIGPLAN Notices, 2013, 48, 605-622.	0.2	3
6	Interleaving and Lock-Step Semantics for Analysis and Verification of GPU Kernels. Lecture Notes in Computer Science, 2013, , 270-289.	1.0	31
7	Reachability Modulo Theories. Lecture Notes in Computer Science, 2013, , 23-44.	1.0	4
8	GPUVerify. , 2012, , .		72
9	Runtime verification of concurrency-specific correctness criteria. International Journal on Software Tools for Technology Transfer, 2012, 14, 291-305.	1.7	6
10	Delay-bounded scheduling. , 2011, , .		98
11	Call Invariants. Lecture Notes in Computer Science, 2011, , 237-251.	1.0	3
12	Conflict exceptions. Computer Architecture News, 2010, 38, 210-221.	2.5	6
13	Goldilocks. Communications of the ACM, 2010, 53, 85-92.	3.3	97
14	Conflict exceptions. , 2010, , .		91
15	Preemption Sealing for Efficient Concurrency Testing. Lecture Notes in Computer Science, 2010, , 420-434.	1.0	22
16	Towards Scalable Modular Checking of User-Defined Properties. Lecture Notes in Computer Science, 2010, , 1-24.	1.0	13
17	Tressa: Claiming the Future. Lecture Notes in Computer Science, 2010, , 25-39.	1.0	4
18	Unifying type checking and property checking for low-level code. ACM SIGPLAN Notices, 2009, 44, 302-314.	0.2	18

#	ARTICLE	IF	CITATIONS
19	A low-level memory model and an accompanying reachability predicate. International Journal on Software Tools for Technology Transfer, 2009, 11, 105-116.	1.7	6
20	Intra-module Inference. Lecture Notes in Computer Science, 2009, , 493-508.	1.0	10
21	Static and Precise Detection of Concurrency Errors in Systems Code Using SMT Solvers. Lecture Notes in Computer Science, 2009, , 509-524.	1.0	52
22	Complexity and Algorithms for Monomial and Clausal Predicate Abstraction. Lecture Notes in Computer Science, 2009, , 214-229.	1.0	15
23	A calculus of atomic actions. ACM SIGPLAN Notices, 2009, 44, 2-15.	0.2	33
24	Fair stateless model checking. ACM SIGPLAN Notices, 2008, 43, 362-371.	0.2	10
25	Iterative context bounding for systematic testing of multithreaded programs. ACM SIGPLAN Notices, 2007, 42, 446-455.	0.2	69
26	Goldilocks. , 2007, , .		204
27	Iterative context bounding for systematic testing of multithreaded programs. , 2007, , .		305
28	A Reachability Predicate for Analyzing Low-Level Software. , 2007, , 19-33.		39
29	Goldilocks. ACM SIGPLAN Notices, 2007, 42, 245-255.	0.2	22
30	Verifying properties of well-founded linked lists. , 2006, , .		57
31	Goldilocks: Efficiently Computing the Happens-Before Relation Using Locksets. Lecture Notes in Computer Science, 2006, , 193-208.	1.0	19
32	VYRD. , 2005, , .		32
33	Sound Transaction-Based Reduction Without Cycle Detection. Lecture Notes in Computer Science, 2005, , 106-122.	1.0	5
34	Context-Bounded Model Checking of Concurrent Software. Lecture Notes in Computer Science, 2005, , 93-107.	1.0	273
35	KISS. , 2004, , .		205
36	Exploiting purity for atomicity. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2004, 29, 221-231.	0.5	2

#	ARTICLE	IF	CITATIONS
37	Summarizing procedures in concurrent programs. ACM SIGPLAN Notices, 2004, 39, 245-255.	0.2	11
38	Zing: A Model Checker for Concurrent Software. Lecture Notes in Computer Science, 2004, , 484-487.	1.0	70
39	KISS. ACM SIGPLAN Notices, 2004, 39, 14-24.	0.2	34
40	Checking Concise Specifications for Multithreaded Software.. Journal of Object Technology, 2004, 3, 81.	0.8	30
41	Transactions for Software Model Checking. Electronic Notes in Theoretical Computer Science, 2003, 89, 518-539.	0.9	26
42	Thread-Modular Model Checking. Lecture Notes in Computer Science, 2003, , 213-224.	1.0	96
43	Thread-Modular Abstraction Refinement. Lecture Notes in Computer Science, 2003, , 262-274.	1.0	77
44	A type and effect system for atomicity. , 2003, , .		223
45	A type and effect system for atomicity. ACM SIGPLAN Notices, 2003, 38, 338-349.	0.2	58
46	Types for atomicity. , 2003, , .		75
47	Piranha. Computer Architecture News, 2000, 28, 282-293.	2.5	39