Xiaokang Qiu

List of Publications by Year
in descending order

24	439	1163117 8	1281871 11
papers	citations	h-index	g-index

24	24	24	187
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	UML Activity Diagram-Based Automatic Test Case Generation For Java Programs. Computer Journal, 2009, 52, 545-556.	2.4	52
2	Natural proofs for structure, data, and separation. , 2013, , .		52
3	Recursive proofs for inductive tree data-structures. , 2012, , .		33
4	Decidable logics combining heap structures and data. , 2011, , .		31
5	Natural proofs for data structure manipulation in C using separation logic. , 2014, , .		31
6	JSketch: sketching for Java. , 2015, , .		28
7	Synthesizing framework models for symbolic execution. , 2016, , .		26
8	A Formal Architecture Pattern for Real-Time Distributed Systems. , 2009, , .		22
9	Decidable logics combining heap structures and data. ACM SIGPLAN Notices, 2011, 46, 611-622.	0.2	20
10	Reconciling enumerative and deductive program synthesis. , 2020, , .		20
11	Natural proofs for structure, data, and separation. ACM SIGPLAN Notices, 2013, 48, 231-242.	0.2	19
12	Efficient Decision Procedures for Heaps Using STRAND. Lecture Notes in Computer Science, 2011, , 43-59.	1.3	18
13	Natural synthesis of provably-correct data-structure manipulations. , 2017, 1, 1-28.		16
14	Vision Paper: Grand Challenges in Resilience: Autonomous System Resilience through Design and Runtime Measures. IEEE Open Journal of the Computer Society, 2020, 1, 155-172.	7.8	14
15	Adaptive Concretization for Parallel Program Synthesis. Lecture Notes in Computer Science, 2015, , 377-394.	1.3	13
16	Recursive proofs for inductive tree data-structures. ACM SIGPLAN Notices, 2012, 47, 123-136.	0.2	13
17	Synthesis of Recursive ADT Transformations from Reusable Templates. Lecture Notes in Computer Science, 2017, , 247-263.	1.3	9
18	An empirical study of adaptive concretization for parallel program synthesis. Formal Methods in System Design, 2017, 50, 75-95.	0.8	5

#	Article	IF	Citations
19	Runtime Verification of Java Programs for Scenario-Based Specifications. Lecture Notes in Computer Science, 2006, , 94-105.	1.3	5
20	UML state machine diagram driven runtime verification of Java programs for message interaction consistency. , 2008, , .		3
21	A Decidable Logic for Tree Data-Structures with Measurements. Lecture Notes in Computer Science, 2019, , 318-341.	1.3	3
22	Program synthesis with algebraic library specifications. , 2019, 3, 1-25.		3
23	Learning Network Design Objectives Using A Program Synthesis Approach. , 2019, , .		2
24	Reasoning about recursive tree traversals. , 2021, , .		1