Bor-Yuh Evan Chang

List of Publications by Year
in descending order

44	685	933447 10	752698 20
papers	citations	h-index	g-index

44	44	44	270
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Demanded abstract interpretation. , 2021, , .		5
2	Shape Analysis. Foundations and Trends in Programming Languages, 2020, 6, 1-158.	1.8	3
3	Static analysis with demand-driven value refinement. , 2019, 3, 1-29.		11
4	Safe stream-based programming with refinement types. , 2018, , .		5
5	D <scp>roid</scp> S <scp>tar</scp>. , 2018, , .		3
6	Mining framework usage graphs from app corpora. , 2018, , .		9
7	Semantic-directed clumping of disjunctive abstract states. , 2017, , .		7
8	ChimpCheck: property-based randomized test generation for interactive apps. , 2017, , .		4
9	Semantic-directed clumping of disjunctive abstract states. ACM SIGPLAN Notices, 2017, 52, 32-45.	0.2	3
10	A vision for online verification-validation. , 2016, , .		0
11	In defense of soundiness. Communications of the ACM, 2015, 58, 44-46.	4.5	168
12	Shape Analysis for Unstructured Sharing. Lecture Notes in Computer Science, 2015, , 90-108.	1.3	4
13	Droidel: a general approach to Android framework modeling. , 2015, , .		20
14	Selective control-flow abstraction via jumping. , 2015, , .		17
15	Selective control-flow abstraction via jumping. ACM SIGPLAN Notices, 2015, 50, 163-182.	0.2	5
16	Fissile type analysis. , 2014, , .		6
17	Android apps consistency scrutinized. , 2014, , .		6
18	A bit too precise? Verification of quantized digital filters. International Journal on Software Tools for Technology Transfer, 2014, 16, 175-190.	1.9	8

#	Article	IF	Citations
19	An Abstract Domain Combinator for Separately Conjoining Memory Abstractions. Lecture Notes in Computer Science, 2014, , 285-301.	1.3	4
20	Automatic Analysis of Open Objects in Dynamic Language Programs. Lecture Notes in Computer Science, 2014, , 134-150.	1.3	17
21	Construction of Abstract Domains for Heterogeneous Properties (Position Paper). Lecture Notes in Computer Science, 2014, , 489-492.	1.3	3
22	Fissile type analysis. ACM SIGPLAN Notices, 2014, 49, 73-85.	0.2	0
23	QUICr: A Reusable Library for Parametric Abstraction of Sets and Numbers. Lecture Notes in Computer Science, 2014, , 866-873.	1.3	1
24	Thresher. , 2013, , .		29
25	Thresher. ACM SIGPLAN Notices, 2013, 48, 275-286.	0.2	5
26	Reduced Product Combination of Abstract Domains for Shapes. Lecture Notes in Computer Science, 2013, , 375-395.	1.3	16
27	Measuring enforcement windows with symbolic trace interpretation: what well-behaved programs say. , 2012, , .		0
28	A Bit Too Precise? Bounded Verification of Quantized Digital Filters. Lecture Notes in Computer Science, 2012, , 33-47.	1.3	10
29	Calling context abstraction with shapes. , 2011, , .		11
30	Calling context abstraction with shapes. ACM SIGPLAN Notices, 2011, 46, 173-186.	0.2	4
31	Mixing type checking and symbolic execution. ACM SIGPLAN Notices, 2010, 45, 436-447.	0.2	3
32	Mixing type checking and symbolic execution. , 2010, , .		13
33	Separating Shape Graphs. Lecture Notes in Computer Science, 2010, , 387-406.	1.3	16
34	Relational inductive shape analysis. , 2008, , .		100
35	Relational inductive shape analysis. ACM SIGPLAN Notices, 2008, 43, 247-260.	0.2	26
36	PML: Toward a High-Level Formal Language for Biological Systems. Electronic Notes in Theoretical Computer Science, 2007, 180, 15-30.	0.9	2

#	Article	IF	Citations
37	Shape Analysis with Structural Invariant Checkers. Lecture Notes in Computer Science, 2007, , 384-401.	1.3	36
38	Analysis of Low-Level Code Using Cooperating Decompilers. Lecture Notes in Computer Science, 2006, , 318-335.	1.3	10
39	Abstract Interpretation with Alien Expressions and Heap Structures. Lecture Notes in Computer Science, 2005, , 147-163.	1.3	36
40	Inferring Object Invariants. Electronic Notes in Theoretical Computer Science, 2005, 131, 63-74.	0.9	6
41	The open verifier framework for foundational verifiers. , 2005, , .		20
42	Type-based verification of sssembly language for compiler debugging. , 2005, , .		8
43	A Framework for Certified Program Analysis and Its Applications to Mobile-Code Safety. Lecture Notes in Computer Science, 2005, , 174-189.	1.3	12
44	Modular Construction of Shape-Numeric Analyzers. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 129, 161-185.	0.8	13