Isabella Mastroeni

List of Publications by Year
in descending order

48	563	840776 11	996975 15
papers	citations	h-index	g-index

50	50	50	150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Verifying opacity by abstract interpretation. , 2022, , .		1
2	Analyzing Dynamic Code. ACM Transactions on Privacy and Security, 2021, 24, 1-38.	3.0	11
3	Equational Logic and Categorical Semantics for Multi-Languages. Electronic Notes in Theoretical Computer Science, 2020, 352, 79-103.	0.9	3
4	Static Analysis for ECMAScript String Manipulation Programs. Applied Sciences (Switzerland), 2020, 10, 3525.	2.5	10
5	A sound abstract interpreter for dynamic code. , 2020, , .		4
6	Completeness of Abstract Domains for String Analysis of JavaScript Programs. Lecture Notes in Computer Science, 2019, , 255-272.	1.3	7
7	Abstract Non-Interference. ACM Transactions on Privacy and Security, 2018, 21, 1-31.	3.0	19
8	Abstract Code Injection. Lecture Notes in Computer Science, 2018, , 116-137.	1.3	7
9	Verifying Bounded Subset-Closed Hyperproperties. Lecture Notes in Computer Science, 2018, , 263-283.	1.3	10
10	Maximal incompleteness as obfuscation potency. Formal Aspects of Computing, 2017, 29, 3-31.	1.8	8
11	Abstract Program Slicing. ACM Transactions on Computational Logic, 2017, 18, 1-58.	0.9	17
12	Characterizing a property-driven obfuscationÂstrategy. Journal of Computer Security, 2017, 26, 31-69.	0.8	3
13	Hyperhierarchy of Semantics - A Formal Framework for Hyperproperties Verification. Lecture Notes in Computer Science, 2017, , 232-252.	1.3	8
14	MIME: A Formal Approach to (Android) Emulation Malware Analysis. Lecture Notes in Computer Science, 2016, , 259-267.	1.3	2
15	Making abstract models complete. Mathematical Structures in Computer Science, 2016, 26, 658-701.	0.6	6
16	Weakening Additivity in Adjoining Closures. Order, 2016, 33, 503-516.	0.5	1
17	Abstract Symbolic Automata. ACM SIGPLAN Notices, 2015, 50, 329-341.	0.2	4
18	Abstract Symbolic Automata. , 2015, , .		14

#	Article	IF	Citations
19	Analyzing program dependencies for malware detection. , 2014, , .		3
20	Obfuscation by partial evaluation of distorted interpreters. , 2012, , .		27
21	Making Abstract Interpretation Incomplete: Modeling the Potency of Obfuscation. Lecture Notes in Computer Science, 2012, , 129-145.	1.3	16
22	Strong Preservation by Model Deformation. , 2012, , .		0
23	An abstract interpretation-based model for safety semantics. International Journal of Computer Mathematics, 2011, 88, 665-694.	1.8	4
24	Modelling declassification policies using abstract domain completeness. Mathematical Structures in Computer Science, 2011, 21, 1253-1299.	0.6	12
25	A Proof System for Abstract Non-interference. Journal of Logic and Computation, 2010, 20, 449-479.	0.8	7
26	A Weakest Precondition Approach to Robustness. Lecture Notes in Computer Science, 2010, , 261-297.	1.3	6
27	Adjoining classified and unclassified information by abstract interpretation. Journal of Computer Security, 2010, 18, 751-797.	0.8	10
28	Abstract Program Slicing: From Theory towards an Implementation. Lecture Notes in Computer Science, 2010, , 452-467.	1.3	11
29	A weakest precondition approach to active attacks analysis. , 2009, , .		7
30	Data dependencies and program slicing. , 2008, , .		31
31	Transforming Abstract Interpretations by Abstract Interpretation. Lecture Notes in Computer Science, 2008, , 1-17.	1.3	15
32	Deriving Bisimulations by Simplifying Partitions. , 2008, , 157-171.		1
33	What You Lose is What You Leak: Information Leakage in Declassification Policies. Electronic Notes in Theoretical Computer Science, 2007, 173, 47-66.	0.9	11
34	Transforming semantics by abstract interpretation. Theoretical Computer Science, 2005, 337, 1-50.	0.9	7
35	Adjoining Declassification and Attack Models by Abstract Interpretation. Lecture Notes in Computer Science, 2005, , 295-310.	1.3	16
36	On the RÃ1e of Abstract Non-interference in Language-Based Security. Lecture Notes in Computer Science, 2005, , 418-433.	1.3	14

#	Article	IF	Citations
37	Timed Abstract Non-interference. Lecture Notes in Computer Science, 2005, , 289-303.	1.3	7
38	Generalized Abstract Non-interference: Abstract Secure Information-Flow Analysis for Automata. Lecture Notes in Computer Science, 2005, , 221-234.	1.3	2
39	Abstract non-interference. , 2004, , .		106
40	Algebraic Power Analysis by Abstract Interpretation. Higher-Order and Symbolic Computation, 2004, 17, 297-345.	0.3	1
41	Abstract non-interference. ACM SIGPLAN Notices, 2004, 39, 186-197.	0.2	20
42	Proving Abstract Non-interference. Lecture Notes in Computer Science, 2004, , 280-294.	1.3	14
43	Non-Standard Semantics for Program Slicing. Higher-Order and Symbolic Computation, 2003, 16, 297-339.	0.3	29
44	Domain Compression for Complete Abstractions. Lecture Notes in Computer Science, 2003, , 146-160.	1.3	4
45	Compositionality in the puzzle of semantics. ACM SIGPLAN Notices, 2002, 37, 87-97.	0.2	2
46	Improving Dynamic Code Analysis by Code Abstraction. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 341, 17-32.	0.8	1
47	Abstract interpretation-based approaches to Security - A Survey on Abstract Non-Interference and its Challenging Applications. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 129, 41-65.	0.8	11
48	Static Program Analysis for String Manipulation Languages. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 299, 19-33.	0.8	10