

# Pietro Ferrara

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

458  
citations

1039406

9  
h-index

996533

15  
g-index

55  
all docs

55  
docs citations

55  
times ranked

210  
citing authors

#	ARTICLE	IF	CITATIONS
1	A suite of abstract domains for static analysis of string values. <i>Software - Practice and Experience</i> , 2015, 45, 245-287.	2.5	35
2	Hybrid security analysis of web JavaScript code via dynamic partial evaluation. , 2014, , .		29
3	Static analysis for discovering IoT vulnerabilities. <i>International Journal on Software Tools for Technology Transfer</i> , 2021, 23, 71-88.	1.7	28
4	SAILS. , 2012, , .		25
5	Static Analysis of String Values. <i>Lecture Notes in Computer Science</i> , 2011, , 505-521.	1.0	25
6	Static analysis of Android Auto infotainment and on-board diagnostics II apps. <i>Software - Practice and Experience</i> , 2019, 49, 1131-1161.	2.5	21
7	Static Identification of Injection Attacks in Java. <i>ACM Transactions on Programming Languages and Systems</i> , 2019, 41, 1-58.	1.7	19
8	Vulnerability analysis of Android auto infotainment apps. , 2018, , .		18
9	A Survey on Product Operators in Abstract Interpretation. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 129, 325-336.	0.8	18
10	Safer unsafe code for .NET. , 2008, , .		16
11	Automatic Inference of Access Permissions. <i>Lecture Notes in Computer Science</i> , 2012, , 202-218.	1.0	13
12	Generic Combination of Heap and Value Analyses in Abstract Interpretation. <i>Lecture Notes in Computer Science</i> , 2014, , 302-321.	1.0	13
13	Datacentric Semantics for Verification of Privacy Policy Compliance by Mobile Applications. <i>Lecture Notes in Computer Science</i> , 2015, , 61-79.	1.0	13
14	TVLA+ : TVLA and Value Analyses Together. <i>Lecture Notes in Computer Science</i> , 2012, , 63-77.	1.0	12
15	MorphDroid. , 2015, , .		11
16	Static Analysis Via Abstract Interpretation of the Happens-Before Memory Model. , 2008, , 116-133.		10
17	Static Type Analysis of Pattern Matching by Abstract Interpretation. <i>Lecture Notes in Computer Science</i> , 2010, , 186-200.	1.0	10
18	Static analysis techniques for robotics software verification. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
19	Privacy Analysis of Android Apps: Implicit Flows and Quantitative Analysis. Lecture Notes in Computer Science, 2015, , 3-23.	1.0	8
20	Static analysis for dummies: experiencing LiSA. , 2021, , .		8
21	Tailoring Taint Analysis to GDPR. Lecture Notes in Computer Science, 2018, , 63-76.	1.0	8
22	Cross-program taint analysis for IoT systems. , 2020, , .		8
23	Static analysis for independent app developers. , 2014, , .		7
24	Checkmate: A Generic Static Analyzer of Java Multithreaded Programs. , 2009, , .		6
25	Twinning Automata and Regular Expressions for String Static Analysis. Lecture Notes in Computer Science, 2021, , 267-290.	1.0	6
26	$\text{BackFlow}$ : Backward Context-Sensitive Flow Reconstruction of Taint Analysis Results. Lecture Notes in Computer Science, 2020, , 23-43.	1.0	6
27	Relational String Abstract Domains. Lecture Notes in Computer Science, 2022, , 20-42.	1.0	6
28	Visual Configuration of Mobile Privacy Policies. Lecture Notes in Computer Science, 2017, , 338-355.	1.0	5
29	Certifying Decision Trees Against Evasion Attacks by Program Analysis. Lecture Notes in Computer Science, 2020, , 421-438.	1.0	5
30	Static Analysis of the Determinism of Multithreaded Programs. , 2008, , .		4
31	A generic framework for heap and value analyses of object-oriented programming languages. Theoretical Computer Science, 2016, 631, 43-72.	0.5	4
32	From CIL to Java bytecode: Semantics-based translation for static analysis leveraging. Science of Computer Programming, 2020, 191, 102392.	1.5	4
33	Automatic detection, correction, and visualization of security vulnerabilities in mobile apps. , 2015, , .		3
34	Foraging goes mobile: Foraging while debugging on mobile devices. , 2017, , .		3
35	Combining Symbolic and Numerical Domains for Information Leakage Analysis. Lecture Notes in Computer Science, 2018, , 98-135.	1.0	3
36	Static Analysis of Android Apps Interaction with Automotive CAN. Lecture Notes in Computer Science, 2018, , 114-123.	1.0	3

#	ARTICLE	IF	CITATIONS
37	SDLI: Static Detection of Leaks Across Intents. , 2018, , .		3
38	CIL to Java-bytecode translation for static analysis leveraging. , 2018, , .		3
39	Ensuring determinism in blockchain software with GoLiSA: an industrial experience report. , 2022, , .		3
40	Static analysis for independent app developers. ACM SIGPLAN Notices, 2014, 49, 847-860.	0.2	2
41	The abstract domain of Trapezoid Step Functions. Computer Languages, Systems and Structures, 2015, 43, 41-68.	1.4	2
42	Static Privacy Analysis by Flow Reconstruction of Tainted Data. International Journal of Software Engineering and Knowledge Engineering, 2021, 31, 973-1016.	0.6	2
43	SARL: OO Framework Specification for Static Analysis. Lecture Notes in Computer Science, 2020, , 3-20.	1.0	2
44	FASE. , 2016, , .		1
45	Pinpointing mobile malware using code analysis. , 2016, , .		1
46	ShamDroid: gracefully degrading functionality in the presence of limited resource access. , 2015, , .		1
47	Intents Analysis of Android Apps for Confidentiality Leakage Detection. Advances in Intelligent Systems and Computing, 2021, , 43-65.	0.5	1
48	TouchGuru. , 2014, , .		0
49	The Domain of Parametric Hypercubes for Static Analysis of Computer Games Software. Lecture Notes in Computer Science, 2013, , 447-463.	1.0	0
50	TouchCost: Cost Analysis of TouchDevelop Scripts. Lecture Notes in Computer Science, 2014, , 109-124.	1.0	0
51	Using Abstract Interpretation to Correct Synchronization Faults. Lecture Notes in Computer Science, 2017, , 187-208.	1.0	0
52	Certifying machine learning models against evasion attacks by program analysis. Journal of Computer Security, 2022, , 1-28.	0.5	0