

Agostino Cortesi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2848217/agostino-cortesi-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133
papers

859
citations

15
h-index

22
g-index

150
ext. papers

1,004
ext. citations

1.3
avg, IF

4.48
L-index

#	Paper	IF	Citations
133	Complementation in abstract interpretation. <i>ACM Transactions on Programming Languages and Systems</i> , 1997 , 19, 7-47	1.6	40
132	Optimal groundness analysis using propositional logic. <i>The Journal of Logic Programming</i> , 1996 , 27, 137-167		40
131	Type analysis of prolog using type graphs. <i>The Journal of Logic Programming</i> , 1995 , 22, 179-209		37
130	Evaluation of the domain prop. <i>The Journal of Logic Programming</i> , 1995 , 23, 237-278		37
129	A suite of abstract domains for static analysis of string values. <i>Software - Practice and Experience</i> , 2015 , 45, 245-287	2.5	28
128	The quotient of an abstract interpretation. <i>Theoretical Computer Science</i> , 1998 , 202, 163-192	1.1	28
127	Widening and narrowing operators for abstract interpretation. <i>Computer Languages, Systems and Structures</i> , 2011 , 37, 24-42		27
126	Combinations of abstract domains for logic programming 1994 ,		25
125	Combinations of abstract domains for logic programming: open product and generic pattern construction. <i>Science of Computer Programming</i> , 2000 , 38, 27-71	1.1	24
124	SAILS 2012 ,		23
123	Abstract interpretation of database query languages. <i>Computer Languages, Systems and Structures</i> , 2012 , 38, 123-157		21
122	Static Analysis of String Values. <i>Lecture Notes in Computer Science</i> , 2011 , 505-521	0.9	18
121	A Generic Distortion Free Watermarking Technique for Relational Databases. <i>Lecture Notes in Computer Science</i> , 2009 , 252-264	0.9	17
120	Operational and abstract semantics of the query language G-Log. <i>Theoretical Computer Science</i> , 2002 , 275, 521-560	1.1	15
119	Sharing is optimal. <i>The Journal of Logic Programming</i> , 1999 , 38, 371-386		15
118	A Survey on Product Operators in Abstract Interpretation. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS,129 , 325-336		14
117	Obfuscation-based analysis of SQL injection attacks 2010 ,		13

116	Datacentric Semantics for Verification of Privacy Policy Compliance by Mobile Applications. <i>Lecture Notes in Computer Science</i> , 2015 , 61-79	0.9	13
115	Control Flow Analysis of Mobile Ambients with Security Boundaries 2002 , 197-212		13
114	Abstract interpretation of logic programs 1991 ,		12
113	Distinctness and Sharing Domains for Static Analysis of Java Programs. <i>Lecture Notes in Computer Science</i> , 2001 , 77-98	0.9	12
112	Widening Operators for Abstract Interpretation 2008 ,		11
111	. <i>Computer Security Foundations Workshop (CSFW), Proceedings of the IEEE</i> , 2007 ,		11
110	A Persistent Public Watermarking of Relational Databases. <i>Lecture Notes in Computer Science</i> , 2010 , 216-230		11
109	Static analysis for discovering IoT vulnerabilities. <i>International Journal on Software Tools for Technology Transfer</i> , 2021 , 23, 71-88	1.3	11
108	Optimal Space and Time Complexity Analysis on the Lattice of Cuboids Using Galois Connections for Data Warehousing 2009 ,		10
107	Information leakage analysis of database query languages 2014 ,		9
106	A calculus of challenges and responses 2007 ,		9
105	Abstract interpretation of logic programs. <i>ACM SIGPLAN Notices</i> , 1991 , 26, 52-61	0.2	9
104	A New Scale for Attribute Dependency in Large Database Systems. <i>Lecture Notes in Computer Science</i> , 2012 , 266-277	0.9	9
103	Static analysis of Android Auto infotainment and on-board diagnostics II apps. <i>Software - Practice and Experience</i> , 2019 , 49, 1131	2.5	8
102	A Hierarchical and Abstraction-Based Blockchain Model. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2343	2.6	8
101	Quality and impact monitoring for local eGovernment services. <i>Transforming Government: People, Process and Policy</i> , 2012 , 6, 112-125	2.3	8
100	Information Leakage Analysis by Abstract Interpretation. <i>Lecture Notes in Computer Science</i> , 2011 , 545-557		8
99	M-String Segmentation: A Refined Abstract Domain for String Analysis in C Programs 2018 ,		8

98	Vulnerability analysis of Android auto infotainment apps 2018 ,		8
97	Comparison of abstract interpretations. <i>Lecture Notes in Computer Science</i> , 1992 , 521-532	0.9	8
96	2019 ,		7
95	Abstract program slicing on dependence condition graphs. <i>Science of Computer Programming</i> , 2013 , 78, 1240-1263	1.1	7
94	Abstract program slicing of database query languages 2013 ,		7
93	Information flow security in Boundary Ambients. <i>Information and Computation</i> , 2008 , 206, 460-489	0.8	7
92	Security boundaries in mobile ambients. <i>Computer Languages, Systems and Structures</i> , 2002 , 28, 101-127		7
91	Abstract Interpretation-Based Verification of Non-functional Requirements. <i>Lecture Notes in Computer Science</i> , 2005 , 49-62	0.9	7
90	Cooperative Query Answering by Abstract Interpretation. <i>Lecture Notes in Computer Science</i> , 2011 , 284-296	0.9	7
89	Blockchain Transaction Analysis Using Dominant Sets. <i>Lecture Notes in Computer Science</i> , 2017 , 229-239	0.9	6
88	Privacy Analysis of Android Apps: Implicit Flows and Quantitative Analysis. <i>Lecture Notes in Computer Science</i> , 2015 , 3-23	0.9	6
87	Static analysis techniques for robotics software verification 2013 ,		6
86	Directionally continuous selections in Banach spaces. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1989 , 13, 987-992	1.3	6
85	Policy-Based Slicing of Hibernate Query Language. <i>Lecture Notes in Computer Science</i> , 2015 , 267-281	0.9	6
84	Abstract Interpretation of Recursive Queries. <i>Lecture Notes in Computer Science</i> , 2013 , 157-170	0.9	6
83	Penetration Testing ROS. <i>Studies in Computational Intelligence</i> , 2020 , 183-225	0.8	6
82	Procedurally Provisioned Access Control for Robotic Systems 2018 ,		6
81	SROS1: Using and Developing Secure ROS1 Systems. <i>Studies in Computational Intelligence</i> , 2019 , 373-405	0.8	5

80	Black Block Recorder: Immutable Black Box Logging for Robots via Blockchain. <i>IEEE Robotics and Automation Letters</i> , 2019 , 4, 3812-3819	4.2	5
79	Information-Flow Analysis of Hibernate Query Language. <i>Lecture Notes in Computer Science</i> , 2014 , 262-274		5
78	Casanova: A Simple, High-Performance Language for Game Development. <i>Lecture Notes in Computer Science</i> , 2015 , 123-134	0.9	5
77	Extending Abstract Interpretation to Dependency Analysis of Database Applications. <i>IEEE Transactions on Software Engineering</i> , 2020 , 46, 463-494	3.5	5
76	Specification-based automatic verification of Prolog programs. <i>Lecture Notes in Computer Science</i> , 1997 , 38-57	0.9	5
75	Data Leakage Analysis of the Hibernate Query Language on a Propositional Formulae Domain. <i>Lecture Notes in Computer Science</i> , 2016 , 23-44	0.9	4
74	A New Intrusion Prevention System for Protecting Smart Grids from ICMPv6 Vulnerabilities 2014 ,		4
73	Abstract domains for reordering CLP(RLin) programs. <i>The Journal of Logic Programming</i> , 2000 , 42, 217-256		4
72	Graph properties for normal logic programs. <i>Theoretical Computer Science</i> , 1993 , 107, 277-303	1.1	4
71	String Abstraction for Model Checking of C Programs. <i>Lecture Notes in Computer Science</i> , 2019 , 74-93	0.9	4
70	Completeness of Abstract Domains for String Analysis of JavaScript Programs. <i>Lecture Notes in Computer Science</i> , 2019 , 255-272	0.9	4
69	Distortion-Free Authentication Watermarking.. <i>Communications in Computer and Information Science</i> , 2013 , 205-219	0.3	4
68	Linear Approximation of Continuous Systems with Trapezoid Step Functions. <i>Lecture Notes in Computer Science</i> , 2012 , 98-114	0.9	4
67	DAPA: Degradation-Aware Privacy Analysis of Android Apps. <i>Lecture Notes in Computer Science</i> , 2016 , 32-46	0.9	4
66	Skyline computation over multiple points and dimensions. <i>Innovations in Systems and Software Engineering</i> , 2021 , 17, 141-156	1.1	4
65	Sentence Embedding Models for Similarity Detection of Software Requirements. <i>SN Computer Science</i> , 2021 , 2, 1	2	4
64	Semantic Hierarchy Refactoring by Abstract Interpretation. <i>Lecture Notes in Computer Science</i> , 2005 , 313-331	0.9	4
63	Boundary Inference for Enforcing Security Policies in Mobile Ambients 2002 , 383-395		4

62	Hyper-lattice Algebraic Model for Data Warehousing. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2016 ,	0.4	3
61	HQR-Scheme: A High Quality and resilient virtual primary key generation approach for watermarking relational data. <i>Expert Systems With Applications</i> , 2019 , 138, 112770	7.8	3
60	Non-repudiation analysis using LySa with annotations. <i>Computer Languages, Systems and Structures</i> , 2010 , 36, 352-377		3
59	Automated verification of Prolog programs. <i>The Journal of Logic Programming</i> , 1999 , 39, 3-42		3
58	NFR-aware prioritization of software requirements. <i>Systems Engineering</i> , 2021 , 24, 158-176	1.8	3
57	The abstract domain of Trapezoid Step Functions. <i>Computer Languages, Systems and Structures</i> , 2015 , 43, 41-68		2
56	From CIL to Java bytecode: Semantics-based translation for static analysis leveraging. <i>Science of Computer Programming</i> , 2020 , 191, 102392	1.1	2
55	Combining Symbolic and Numerical Domains for Information Leakage Analysis. <i>Lecture Notes in Computer Science</i> , 2018 , 98-135	0.9	2
54	ROLAP based data warehouse schema to XML schema conversion 2016 ,		2
53	Nesting analysis of mobile ambients. <i>Computer Languages, Systems and Structures</i> , 2004 , 30, 207-230		2
52	Cross-program taint analysis for IoT systems 2020 ,		2
51	KPI-Supported PDCA Model for Innovation Policy Management in Local Government. <i>Lecture Notes in Computer Science</i> , 2011 , 320-331	0.9	2
50	Replaceability and negotiation in a cloud service ecosystem. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , 2019 , 8,	3.2	2
49	Static Analysis of Android Apps Interaction with Automotive CAN. <i>Lecture Notes in Computer Science</i> , 2018 , 114-123	0.9	2
48	SDLI: Static Detection of Leaks Across Intents 2018 ,		2
47	Twinning Automata and Regular Expressions for String Static Analysis. <i>Lecture Notes in Computer Science</i> , 2021 , 267-290	0.9	2
46	Banana - A Tool for Boundary Ambients Nesting ANALysis. <i>Lecture Notes in Computer Science</i> , 2003 , 437-441		2
45	A Double Fragmentation Approach for Improving Virtual Primary Key-Based Watermark Synchronization. <i>IEEE Access</i> , 2020 , 8, 61504-61516	3.5	1

44	A uniform representation of multi-variant data in intensive-query databases. <i>Innovations in Systems and Software Engineering</i> , 2016 , 12, 163-176	1.1	1
43	Engaging high school students in computer science via challenging applications 2011 ,		1
42	Women and Informatics: the Ada Web Portal. <i>Innovations in Teaching and Learning in Information and Computer Sciences</i> , 2009 , 8, 64-72		1
41	Information Leakage Detection in Boundary Ambients ¹ 1Partially supported by MIUR Projects Interpretazione Astratta, Type Systems e Analisi Control-Flow and Modelli formali per la sicurezza and the EU Contract IST-2001-32617 Models and Types for Security in Mobile Distributed Systems. <i>Electronic Notes in Theoretical Computer Science</i> , 2003 , 78, 123-143	0.7	1
40	Flow-sensitive Leakage Analysis in Mobile Ambients. <i>Electronic Notes in Theoretical Computer Science</i> , 2005 , 128, 17-25	0.7	1
39	Operational Semantics for Reexecution-based Analysis of Logic Programs with Delay Declarations. <i>Electronic Notes in Theoretical Computer Science</i> , 2001 , 48, 29-44	0.7	1
38	Information Flow Security in Mobile Ambients ¹ 1Partially supported by MURST Projects Interpretazione Astratta, Type Systems e Analisi Control-Flow and Certificazione automatica di programmi mediante interpretazione astratta. <i>Electronic Notes in Theoretical Computer Science</i> , 2001 , 54, 58-68	0.7	1
37	Type analysis of Prolog using type graphs. <i>ACM SIGPLAN Notices</i> , 1994 , 29, 337-348	0.2	1
36	Relational String Abstract Domains. <i>Lecture Notes in Computer Science</i> , 2022 , 20-42	0.9	1
35	A Patient-Centric Nurse Scheduling Algorithm. <i>SN Computer Science</i> , 2022 , 3, 1	2	1
34	Preventing Additive Attacks to Relational Database Watermarking. <i>Lecture Notes in Business Information Processing</i> , 2019 , 131-140	0.6	1
33	Intents Analysis of Android Apps for Confidentiality Leakage Detection. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 43-65	0.4	1
32	Verification of Hibernate Query Language by Abstract Interpretation. <i>Lecture Notes in Computer Science</i> , 2015 , 116-128	0.9	1
31	Materialized View Construction Using Linearizable Nonlinear Regression. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 261-276	0.4	1
30	Semantic-driven watermarking of relational textual databases. <i>Expert Systems With Applications</i> , 2021 , 167, 114013	7.8	1
29	Construction and distribution of materialized views in Non-binary data space. <i>Innovations in Systems and Software Engineering</i> , 2021 , 17, 205-217	1.1	1
28	Static analysis for dummies: experiencing LiSA 2021 ,		1
27	CIL to Java-bytecode translation for static analysis leveraging 2018 ,		1

26	Completeness of string analysis for dynamic languages. <i>Information and Computation</i> , 2021 , 104791	0.8	1
25	High performance encapsulation and networking in Casanova 2. <i>Entertainment Computing</i> , 2017 , 20, 25-41	1.9	0
24	WiFi-Related Energy Consumption Analysis of Mobile Devices in a Walkable Area by Abstract Interpretation. <i>Lecture Notes in Computer Science</i> , 2017 , 27-39	0.9	0
23	Abstract Interpretation and Object-oriented Programming: Quo Vadis?. <i>Electronic Notes in Theoretical Computer Science</i> , 2005 , 131, 75-84	0.7	0
22	Geographic location based secure, dynamic and opportunistic RPL for distributed networks. <i>Ad Hoc Networks</i> , 2021 , 123, 102689	4.8	0
21	Complexity of Nesting Analysis in Mobile Ambients. <i>Lecture Notes in Computer Science</i> , 2003 , 86-101	0.9	0
20	Geographic Location Based Dynamic and Opportunistic RPL for Distributed Networks. <i>Lecture Notes in Computer Science</i> , 2019 , 120-131	0.9	0
19	Requirement-oriented risk management for incremental software development. <i>Innovations in Systems and Software Engineering</i> , 2021 , 17, 187-204	1.1	0
18	Enhancing Security in ROS. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 3-15	0.4	
17	Behind BANANA: Design and Implementation of a Tool for Nesting Analysis of Mobile Ambients. <i>Electronic Notes in Theoretical Computer Science</i> , 2004 , 99, 319-337	0.7	
16	Reexecution-Based Analysis of Logic Programs with Delay Declarations. <i>Lecture Notes in Computer Science</i> , 2001 , 395-405	0.9	
15	Towards an European Certification of Computer Science University Curricula. <i>Innovations in Teaching and Learning in Information and Computer Sciences</i> , 2007 , 6, 79-86		
14	MySQL Extension Automatic Porting to PDO for PHP Migration and Security Improvement. <i>Lecture Notes in Computer Science</i> , 2018 , 461-473	0.9	
13	Type-Driven Cross-Programming for Android and LEGO Mindstorms Interoperability. <i>Lecture Notes in Computer Science</i> , 2019 , 191-209	0.9	
12	Building Game Scripting DSLs with the Metacasanova Metacompiler. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 231-242	0.2	
11	Non-repudiation Analysis with LySa. <i>IFIP Advances in Information and Communication Technology</i> , 2009 , 318-329	0.5	
10	Observation-Based Fine Grained Access Control for XML Documents. <i>Communications in Computer and Information Science</i> , 2011 , 267-276	0.3	
9	KPIs from Web Agents for Policies Impact Analysis and Products Brand Assessment. <i>Communications in Computer and Information Science</i> , 2011 , 192-201	0.3	

8	Verification of Non-Functional Requirements by Abstract Interpretation 2012 , 22-35	
7	The Domain of Parametric Hypercubes for Static Analysis of Computer Games Software. <i>Lecture Notes in Computer Science</i> , 2013 , 447-463	0.9
6	Typing Legacy COBOL Code. <i>Communications in Computer and Information Science</i> , 2013 , 151-165	0.3
5	Abstracting Strings for Model Checking of C Programs. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7853	2.6
4	Construction of Materialized Views in Non-Binary Data Space. <i>Lecture Notes in Networks and Systems</i> , 2021 , 93-110	0.5
3	Families_Share: digital and social innovation for work-life balance. <i>Digital Policy, Regulation and Governance</i> , 2022 , 24, 162-178	1.7
2	Empirical analysis of the impact of queries on watermarked relational databases. <i>Expert Systems With Applications</i> , 2022 , 117491	7.8
1	A Quantile-Based Watermarking Approach for Distortion Minimization. <i>Lecture Notes in Computer Science</i> , 2022 , 162-176	0.9