Luca Padovani

List of Publications by Year
in descending order

62 papers	1,267 citations	687363 13 h-index	501196 28 g-index
63 all docs	63 docs citations	63 times ranked	375 citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed workflows with Jupyter. Future Generation Computer Systems, 2022, 128, 282-298.	7.5	3
2	Fair termination of binary sessions. , 2022, 6, 1-30.		1
3	A Dependently Typed Linear Ï€-Calculus in Agda. , 2020, , .		6
4	Foundations of Session Types. , 2019, , .		2
5	Context-Free Session Type Inference. ACM Transactions on Programming Languages and Systems, 2019, 41, 1-37.	2.1	11
6	Deadlock Analysis of Wait-Notify Coordination. Lecture Notes in Computer Science, 2019, , 50-67.	1.3	1
7	A core calculus for dynamic delta-oriented programming. Acta Informatica, 2018, 55, 269-307.	0.5	9
8	A type checking algorithm for concurrent object protocols. Journal of Logical and Algebraic Methods in Programming, 2018, 100, 16-35.	0.5	2
9	Foundations of Session Types and Behavioural Contracts. ACM Computing Surveys, 2017, 49, 1-36.	23.0	138
10	A simple library implementation of binary sessions. Journal of Functional Programming, 2017, 27, .	0.8	42
11	The Chemical Approach to Typestate-Oriented Programming. ACM Transactions on Programming Languages and Systems, 2017, 39, 1-45.	2.1	7
12	Chaperone contracts for higher-order sessions. , 2017, 1, 1-29.		6
13	Context-Free Session Type Inference. Lecture Notes in Computer Science, 2017, , 804-830.	1.3	9
14	Global progress for dynamically interleaved multiparty sessions. Mathematical Structures in Computer Science, 2016, 26, 238-302.	0.6	67
15	Fair subtyping for multi-party session types. Mathematical Structures in Computer Science, 2016, 26, 424-464.	0.6	11
16	Behavioral Types in Programming Languages. Foundations and Trends in Programming Languages, 2016, 3, 95-230.	1.8	73
17	On Sessions and Infinite Data. Lecture Notes in Computer Science, 2016, , 245-261.	1.3	1
18	An algebraic theory for web service contracts. Formal Aspects of Computing, 2015, 27, 613-640.	1.8	11

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19	A Gentle Introduction to Multiparty Asynchronous Session Types. Lecture Notes in Computer Science, 2015, , 146-178.	1.3	30
20	Types for Deadlock-Free Higher-Order Programs. Lecture Notes in Computer Science, 2015, , 3-18.	1.3	4
21	The chemical approach to typestate-oriented programming. , 2015, , .		9
22	Type Reconstruction for the Linear ÃÂ€-Calculus with Composite Regular Types. Logical Methods in Computer Science, 2015, 11, .	0.4	7
23	Type Reconstruction Algorithms for Deadlock-Free and Lock-Free Linear Ï€-Calculi. Lecture Notes in Computer Science, 2015, , 83-98.	1.3	3
24	The chemical approach to typestate-oriented programming. ACM SIGPLAN Notices, 2015, 50, 917-934.	0.2	0
25	Deadlock and lock freedom in the linear Ï€-calculus. , 2014, , .		38
26	Polymorphic functions with set-theoretic types. , 2014, , .		26
27	Exception handling for copyless messaging. Science of Computer Programming, 2014, 84, 22-51.	1.9	3
28	Typing Liveness in Multiparty Communicating Systems. Lecture Notes in Computer Science, 2014, , 147-162.	1.3	19
29	Type Reconstruction for the Linear Ï€-Calculus with Composite and Equi-Recursive Types. Lecture Notes in Computer Science, 2014, , 88-102.	1.3	4
30	An Algebraic Theory for Web Service Contracts. Lecture Notes in Computer Science, 2013, , 301-315.	1.3	1
31	Fair Subtyping for Open Session Types. Lecture Notes in Computer Science, 2013, , 373-384.	1.3	15
32	Polymorphic Types for Leak Detection in a Session-Oriented Functional Language. Lecture Notes in Computer Science, 2013, , 83-98.	1.3	2
33	A formal foundation for dynamic delta-oriented software product lines. ACM SIGPLAN Notices, 2013, 48, 1-10.	0.2	1
34	Exception handling for copyless messaging. , 2012, , .		2
35	A formal foundation for dynamic delta-oriented software product lines. , 2012, , .		12
36	On projecting processes into session types. Mathematical Structures in Computer Science, 2012, 22, 237-289.	0.6	10

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37	Typing Copyless Message Passing. Lecture Notes in Computer Science, 2011, , 57-76.	1.3	13
38	On Global Types and Multi-party Sessions. Lecture Notes in Computer Science, 2011, , 1-28.	1.3	14
39	Fair Subtyping for Multi-party Session Types. Lecture Notes in Computer Science, 2011, , 127-141.	1.3	15
40	Contract-based discovery of Web services modulo simple orchestrators. Theoretical Computer Science, 2010, 411, 3328-3347.	0.9	33
41	Foundations of session types. , 2009, , .		50
42	A theory of contracts for Web services. ACM Transactions on Programming Languages and Systems, 2009, 31, 1-61.	2.1	139
43	PiDuce â€" A project for experimenting Web services technologies. Science of Computer Programming, 2009, 74, 777-811.	1.9	15
44	Contracts for Mobile Processes. Lecture Notes in Computer Science, 2009, , 211-228.	1.3	37
45	Contract-Based Discovery and Adaptation of Web Services. Lecture Notes in Computer Science, 2009, , 213-260.	1.3	11
46	A theory of contracts for web services. , 2008, , .		50
47	A theory of contracts for web services. ACM SIGPLAN Notices, 2008, 43, 261-272.	0.2	12
48	The Pairing of Contracts and Session Types. Lecture Notes in Computer Science, 2008, , 681-700.	1.3	19
49	Contract-Directed Synthesis of Simple Orchestrators. Lecture Notes in Computer Science, 2008, , 131-146.	1.3	11
50	The Must Preorder Revisited. Lecture Notes in Computer Science, 2007, , 212-225.	1.3	55
51	Smooth Orchestrators. Lecture Notes in Computer Science, 2006, , 32-46.	1.3	12
52	From Notation to Semantics: There and Back Again. Lecture Notes in Computer Science, 2006, , 194-207.	1.3	7
53	A Distributed Implementation of Mobile Nets as Mobile Agents. Lecture Notes in Computer Science, 2005, , 259-274.	1.3	3
54	Mathematical Knowledge Management in HELM. Annals of Mathematics and Artificial Intelligence, 2003, 38, 27-46.	1.3	36

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55	Typing Copyless Message Passing. Logical Methods in Computer Science, 0, Volume 8, Issue 1, .	0.4	22
56	On Global Types and Multi-Party Session. Logical Methods in Computer Science, 0, Volume 8, Issue 1, .	0.4	62
57	Session Types at the Mirror. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 12, 71-86.	0.8	9
58	From Lock Freedom to Progress Using Session Types. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 137, 3-19.	0.8	14
59	Session Type Isomorphisms. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 155, 61-71.	0.8	2
60	Session Types = Intersection Types + Union Types. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 45, 71-89.	0.8	12
61	Polymorphic Endpoint Types for Copyless Message Passing. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 59, 52-67.	0.8	6
62	Concurrent Typestate-Oriented Programming in Java. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 291, 24-34.	0.8	2