

Luca Padovani

List of Publications by Year in descending order

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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	A theory of contracts for Web services. ACM Transactions on Programming Languages and Systems, 2009, 31, 1-61.	2.1	139
2	Foundations of Session Types and Behavioural Contracts. ACM Computing Surveys, 2017, 49, 1-36.	23.0	138
3	Behavioral Types in Programming Languages. Foundations and Trends in Programming Languages, 2016, 3, 95-230.	1.8	73
4	Global progress for dynamically interleaved multiparty sessions. Mathematical Structures in Computer Science, 2016, 26, 238-302.	0.6	67
5	On Global Types and Multi-Party Session. Logical Methods in Computer Science, 0, Volume 8, Issue 1, .	0.4	62
6	The Must Preorder Revisited. Lecture Notes in Computer Science, 2007, , 212-225.	1.3	55
7	A theory of contracts for web services. , 2008, , .		50
8	Foundations of session types. , 2009, , .		50
9	A simple library implementation of binary sessions. Journal of Functional Programming, 2017, 27, .	0.8	42
10	Deadlock and lock freedom in the linear λ -calculus. , 2014, , .		38
11	Contracts for Mobile Processes. Lecture Notes in Computer Science, 2009, , 211-228.	1.3	37
12	Mathematical Knowledge Management in HELM. Annals of Mathematics and Artificial Intelligence, 2003, 38, 27-46.	1.3	36
13	Contract-based discovery of Web services modulo simple orchestrators. Theoretical Computer Science, 2010, 411, 3328-3347.	0.9	33
14	A Gentle Introduction to Multiparty Asynchronous Session Types. Lecture Notes in Computer Science, 2015, , 146-178.	1.3	30
15	Polymorphic functions with set-theoretic types. , 2014, , .		26
16	Typing Copyless Message Passing. Logical Methods in Computer Science, 0, Volume 8, Issue 1, .	0.4	22
17	The Pairing of Contracts and Session Types. Lecture Notes in Computer Science, 2008, , 681-700.	1.3	19
18	Typing Liveness in Multiparty Communicating Systems. Lecture Notes in Computer Science, 2014, , 147-162.	1.3	19

#	ARTICLE	IF	CITATIONS
19	PiDuce – A project for experimenting Web services technologies. <i>Science of Computer Programming</i> , 2009, 74, 777-811.	1.9	15
20	Fair Subtyping for Multi-party Session Types. <i>Lecture Notes in Computer Science</i> , 2011, , 127-141.	1.3	15
21	Fair Subtyping for Open Session Types. <i>Lecture Notes in Computer Science</i> , 2013, , 373-384.	1.3	15
22	On Global Types and Multi-party Sessions. <i>Lecture Notes in Computer Science</i> , 2011, , 1-28.	1.3	14
23	From Lock Freedom to Progress Using Session Types. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 137, 3-19.	0.8	14
24	Typing Copyless Message Passing. <i>Lecture Notes in Computer Science</i> , 2011, , 57-76.	1.3	13
25	A theory of contracts for web services. <i>ACM SIGPLAN Notices</i> , 2008, 43, 261-272.	0.2	12
26	A formal foundation for dynamic delta-oriented software product lines. , 2012, , .		12
27	Smooth Orchestrators. <i>Lecture Notes in Computer Science</i> , 2006, , 32-46.	1.3	12
28	Session Types = Intersection Types + Union Types. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 45, 71-89.	0.8	12
29	An algebraic theory for web service contracts. <i>Formal Aspects of Computing</i> , 2015, 27, 613-640.	1.8	11
30	Fair subtyping for multi-party session types. <i>Mathematical Structures in Computer Science</i> , 2016, 26, 424-464.	0.6	11
31	Context-Free Session Type Inference. <i>ACM Transactions on Programming Languages and Systems</i> , 2019, 41, 1-37.	2.1	11
32	Contract-Directed Synthesis of Simple Orchestrators. <i>Lecture Notes in Computer Science</i> , 2008, , 131-146.	1.3	11
33	Contract-Based Discovery and Adaptation of Web Services. <i>Lecture Notes in Computer Science</i> , 2009, , 213-260.	1.3	11
34	On projecting processes into session types. <i>Mathematical Structures in Computer Science</i> , 2012, 22, 237-289.	0.6	10
35	A core calculus for dynamic delta-oriented programming. <i>Acta Informatica</i> , 2018, 55, 269-307.	0.5	9
36	Context-Free Session Type Inference. <i>Lecture Notes in Computer Science</i> , 2017, , 804-830.	1.3	9

#	ARTICLE	IF	CITATIONS
37	The chemical approach to typestate-oriented programming. , 2015, , .		9
38	Session Types at the Mirror. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 12, 71-86.	0.8	9
39	The Chemical Approach to Typestate-Oriented Programming. ACM Transactions on Programming Languages and Systems, 2017, 39, 1-45.	2.1	7
40	From Notation to Semantics: There and Back Again. Lecture Notes in Computer Science, 2006, , 194-207.	1.3	7
41	Type Reconstruction for the Linear λ -Calculus with Composite Regular Types. Logical Methods in Computer Science, 2015, 11, .	0.4	7
42	Chaperone contracts for higher-order sessions. , 2017, 1, 1-29.		6
43	A Dependently Typed Linear λ -Calculus in Agda. , 2020, , .		6
44	Polymorphic Endpoint Types for Copyless Message Passing. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 59, 52-67.	0.8	6
45	Types for Deadlock-Free Higher-Order Programs. Lecture Notes in Computer Science, 2015, , 3-18.	1.3	4
46	Type Reconstruction for the Linear λ -Calculus with Composite and Equi-Recursive Types. Lecture Notes in Computer Science, 2014, , 88-102.	1.3	4
47	A Distributed Implementation of Mobile Nets as Mobile Agents. Lecture Notes in Computer Science, 2005, , 259-274.	1.3	3
48	Exception handling for copyless messaging. Science of Computer Programming, 2014, 84, 22-51.	1.9	3
49	Distributed workflows with Jupyter. Future Generation Computer Systems, 2022, 128, 282-298.	7.5	3
50	Type Reconstruction Algorithms for Deadlock-Free and Lock-Free Linear λ -Calculi. Lecture Notes in Computer Science, 2015, , 83-98.	1.3	3
51	Exception handling for copyless messaging. , 2012, , .		2
52	A type checking algorithm for concurrent object protocols. Journal of Logical and Algebraic Methods in Programming, 2018, 100, 16-35.	0.5	2
53	Foundations of Session Types. , 2019, , .		2
54	Session Type Isomorphisms. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 155, 61-71.	0.8	2

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55	Polymorphic Types for Leak Detection in a Session-Oriented Functional Language. Lecture Notes in Computer Science, 2013, , 83-98.	1.3	2
56	Concurrent Typestate-Oriented Programming in Java. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 291, 24-34.	0.8	2
57	On Sessions and Infinite Data. Lecture Notes in Computer Science, 2016, , 245-261.	1.3	1
58	An Algebraic Theory for Web Service Contracts. Lecture Notes in Computer Science, 2013, , 301-315.	1.3	1
59	A formal foundation for dynamic delta-oriented software product lines. ACM SIGPLAN Notices, 2013, 48, 1-10.	0.2	1
60	Deadlock Analysis of Wait-Notify Coordination. Lecture Notes in Computer Science, 2019, , 50-67.	1.3	1
61	Fair termination of binary sessions. , 2022, 6, 1-30.		1
62	The chemical approach to typestate-oriented programming. ACM SIGPLAN Notices, 2015, 50, 917-934.	0.2	0