

# Massimo Bartoletti

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

2,301  
citations

516215

16  
h-index

253896

43  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1364  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Theory of Automated Market Makers in DeFi. Lecture Notes in Computer Science, 2021, , 168-187.	1.0	15
2	Towards a Theory of Decentralized Finance. Lecture Notes in Computer Science, 2021, , 227-232.	1.0	7
3	A Formal Model of Algorand Smart Contracts. Lecture Notes in Computer Science, 2021, , 93-114.	1.0	1
4	Cryptocurrency Scams: Analysis and Perspectives. IEEE Access, 2021, 9, 148353-148373.	2.6	28
5	Dissecting Ponzi schemes on Ethereum: Identification, analysis, and impact. Future Generation Computer Systems, 2020, 102, 259-277.	4.9	169
6	Smart Contracts Contracts. Frontiers in Blockchain, 2020, 3, .	1.6	7
7	A True Concurrent Model of Smart Contracts Executions. Lecture Notes in Computer Science, 2020, , 243-260.	1.0	14
8	Bitcoin Covenants Unchained. Lecture Notes in Computer Science, 2020, , 25-42.	1.0	1
9	Renegotiation and Recursion in Bitcoin Contracts. Lecture Notes in Computer Science, 2020, , 261-278.	1.0	2
10	Developing secure bitcoin contracts with BitML. , 2019, , .		12
11	Formal Models of Bitcoin Contracts: A Survey. Frontiers in Blockchain, 2019, 2, .	1.6	7
12	Verifying Liquidity of Bitcoin Contracts. Lecture Notes in Computer Science, 2019, , 222-247.	1.0	13
13	A Journey into Bitcoin Metadata. Journal of Grid Computing, 2019, 17, 3-22.	2.5	24
14	Preface for the special issue on Interaction and Concurrency Experience 2017. Journal of Logical and Algebraic Methods in Programming, 2019, 109, 100488.	0.4	0
15	A Minimal Core Calculus for Solidity Contracts. Lecture Notes in Computer Science, 2019, , 233-243.	1.0	15
16	Blockchain for social good. , 2018, , .		12
17	Data Mining for Detecting Bitcoin Ponzi Schemes. , 2018, , .		150
18	Fun with Bitcoin Smart Contracts. Lecture Notes in Computer Science, 2018, , 432-449.	1.0	10

#	ARTICLE	IF	CITATIONS
19	BitML. , 2018, , .		33
20	SoK: Unraveling Bitcoin Smart Contracts. Lecture Notes in Computer Science, 2018, , 217-242.	1.0	29
21	A Formal Model of Bitcoin Transactions. Lecture Notes in Computer Science, 2018, , 541-560.	1.0	37
22	Verifiable abstractions for contract-oriented systems. Journal of Logical and Algebraic Methods in Programming, 2017, 86, 159-207.	0.4	4
23	A Survey of Attacks on Ethereum Smart Contracts (SoK). Lecture Notes in Computer Science, 2017, , 164-186.	1.0	774
24	Constant-Deposit Multiparty Lotteries on Bitcoin. Lecture Notes in Computer Science, 2017, , 231-247.	1.0	22
25	An Empirical Analysis of Smart Contracts: Platforms, Applications, and Design Patterns. Lecture Notes in Computer Science, 2017, , 494-509.	1.0	252
26	A Proof-of-Stake Protocol for Consensus on Bitcoin Subchains. Lecture Notes in Computer Science, 2017, , 568-584.	1.0	12
27	A general framework for blockchain analytics. , 2017, , .		53
28	An Analysis of Bitcoin OP_RETURN Metadata. Lecture Notes in Computer Science, 2017, , 218-230.	1.0	65
29	Contracts as games on event structures. Journal of Logical and Algebraic Methods in Programming, 2016, 85, 399-424.	0.4	7
30	A Contract-Oriented Middleware. Lecture Notes in Computer Science, 2016, , 86-104.	1.0	12
31	Faderank: An Incremental Algorithm for Ranking Twitter Users. Lecture Notes in Computer Science, 2016, , 55-69.	1.0	6
32	Developing Honest Java Programs with Diogenes. Lecture Notes in Computer Science, 2016, , 52-61.	1.0	3
33	On the Decidability of Honesty and of Its Variants. Lecture Notes in Computer Science, 2016, , 143-166.	1.0	1
34	Vicious circles in contracts and in logic. Science of Computer Programming, 2015, 109, 61-95.	1.5	4
35	Choreographies in the wild. Science of Computer Programming, 2015, 109, 36-60.	1.5	6
36	Model checking usage policies. Mathematical Structures in Computer Science, 2015, 25, 710-763.	0.5	11

#	ARTICLE	IF	CITATIONS
37	Combining behavioural types with security analysis. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2015, 84, 763-780.	0.4	9
38	Lending Petri nets. <i>Science of Computer Programming</i> , 2015, 112, 75-101.	1.5	12
39	Models of Circular Causality. <i>Lecture Notes in Computer Science</i> , 2015, , 1-20.	1.0	3
40	Compliance and Subtyping in Timed Session Types. <i>Lecture Notes in Computer Science</i> , 2015, , 161-177.	1.0	8
41	Compliance in Behavioural Contracts: A Brief Survey. <i>Lecture Notes in Computer Science</i> , 2015, , 103-121.	1.0	20
42	Debits and Credits in Petri Nets and Linear Logic. <i>Lecture Notes in Computer Science</i> , 2015, , 135-159.	1.0	0
43	Circular Causality in Event Structures. <i>Fundamenta Informaticae</i> , 2014, 134, 219-259.	0.3	8
44	A Semantic Deconstruction of Session Types. <i>Lecture Notes in Computer Science</i> , 2014, , 402-418.	1.0	11
45	Modelling and Verifying Contract-Oriented Systems in Maude. <i>Lecture Notes in Computer Science</i> , 2014, , 130-146.	1.0	2
46	Honesty by Typing. <i>Lecture Notes in Computer Science</i> , 2013, , 305-320.	1.0	12
47	A Theory of Agreements and Protection. <i>Lecture Notes in Computer Science</i> , 2013, , 186-205.	1.0	8
48	Lending Petri Nets and Contracts. <i>Lecture Notes in Computer Science</i> , 2013, , 66-82.	1.0	8
49	On the Realizability of Contracts in Dishonest Systems. <i>Lecture Notes in Computer Science</i> , 2012, , 245-260.	1.0	13
50	Contract-Oriented Computing in CO2. <i>Scientific Annals of Computer Science</i> , 2012, 22, 5-60.	0.4	11
51	Tools and Verification. <i>Lecture Notes in Computer Science</i> , 2011, , 408-427.	1.0	2
52	Call-by-Contract for Service Discovery, Orchestration and Recovery. <i>Lecture Notes in Computer Science</i> , 2011, , 232-261.	1.0	2
53	Static Enforcement of Service Deadlines. , 2010, , .		1
54	A Calculus of Contracting Processes. , 2010, , .		25

#	ARTICLE	IF	CITATIONS
55	Local policies for resource usage analysis. ACM Transactions on Programming Languages and Systems, 2009, 31, 1-43.	1.7	33
56	Planning and verifying service composition. Journal of Computer Security, 2009, 17, 799-837.	0.5	36
57	Hard Life with Weak Binders. Electronic Notes in Theoretical Computer Science, 2009, 242, 49-72.	0.9	2
58	Jalapa: Securing Java with Local Policies. Electronic Notes in Theoretical Computer Science, 2009, 253, 145-151.	0.9	4
59	Model Checking Usage Policies. Lecture Notes in Computer Science, 2009, , 19-35.	1.0	16
60	Usage Automata. Lecture Notes in Computer Science, 2009, , 52-69.	1.0	10
61	Securing Java with Local Policies.. Journal of Object Technology, 2009, 8, 5.	0.8	21
62	$\lambda$ / $2$ -Types for Effects and Freshness Analysis. Lecture Notes in Computer Science, 2009, , 80-95.	1.0	1
63	Semantics-Based Design for Secure Web Services. IEEE Transactions on Software Engineering, 2008, 34, 33-49.	4.3	49
64	Types and Effects for Resource Usage Analysis. , 2007, , 32-47.		27
65	Secure Service Orchestration. Lecture Notes in Computer Science, 2007, , 24-74.	1.0	16
66	Security Issues in Service Composition. Lecture Notes in Computer Science, 2006, , 1-16.	1.0	14
67	History-Based Access Control with Local Policies. Lecture Notes in Computer Science, 2005, , 316-332.	1.0	32
68	Policy framings for access control. , 2005, , .		5
69	Checking Risky Events Is Enough for Local Policies. Lecture Notes in Computer Science, 2005, , 97-112.	1.0	5
70	Stack inspection and secure program transformations. International Journal of Information Security, 2004, 2, 187-217.	2.3	9
71	Program Transformations under Dynamic Security Policies. Electronic Notes in Theoretical Computer Science, 2004, 99, 49-86.	0.9	1
72	Static Analysis for Stack Inspection. Electronic Notes in Theoretical Computer Science, 2001, 54, 69-80.	0.9	25

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73	Honesty by Typing. Logical Methods in Computer Science, 0, Volume 12, Issue 4, .	0.4	6
74	Contracts in distributed systems. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 59, 130-147.	0.8	5
75	An event-based model for contracts. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 109, 13-20.	0.8	4
76	Contract agreements via logic. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 131, 5-19.	0.8	2
77	A note on two notions of compliance. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 166, 86-93.	0.8	4
78	The LTS WorkBench. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 189, 86-98.	0.8	1
79	Modelling and Verifying Bitcoin Contracts (Invited Talk). Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 299, 1-1.	0.8	0