

Massimo Merro

List of Publications by Year in descending order

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49
papers

881
citations

471061

17
h-index

552369

26
g-index

55
all docs

55
docs citations

55
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Industrial Control Systems Security via Runtime Enforcement. ACM Transactions on Privacy and Security, 2023, 26, 1-41.	2.2	4
2	A probabilistic calculus of cyber-physical systems. Information and Computation, 2021, 279, 104618.	0.5	13
3	Formal Impact Metrics for Cyber-physical Attacks. , 2021, , .		5
4	Friendly Fire. ACM Transactions on Privacy and Security, 2021, 24, 1-40.	2.2	7
5	Runtime Enforcement for Control System Security. , 2020, , .		7
6	A Formal Approach to Physics-based Attacks in Cyber-physical Systems. ACM Transactions on Privacy and Security, 2020, 23, 1-41.	2.2	29
7	Securing Cross-App Interactions in IoT Platforms. , 2019, , .		10
8	On the decidability of linear bounded periodic cyber-physical systems. , 2019, , .		3
9	A semantic theory of the Internet of Things. Information and Computation, 2018, 259, 72-101.	0.5	34
10	On cyber-physical attacks in bilateral teleoperation systems: An experimental analysis. , 2018, , .		5
11	Towards a Formal Notion of Impact Metric for Cyber-Physical Attacks. Lecture Notes in Computer Science, 2018, , 296-315.	1.0	13
12	A Formal Approach to Cyber-Physical Attacks. , 2017, , .		33
13	A Calculus of Cyber-Physical Systems. Lecture Notes in Computer Science, 2017, , 115-127.	1.0	16
14	Weak Simulation Quasimetric in a Gossip Scenario. Lecture Notes in Computer Science, 2017, , 139-155.	1.0	2
15	A Semantic Theory of the Internet of Things. Lecture Notes in Computer Science, 2016, , 157-174.	1.0	10
16	Modelling MAC-Layer Communications in Wireless Systems. Logical Methods in Computer Science, 2015, 11, .	0.4	3
17	Statistical Model Checking of Ad Hoc Routing Protocols in Lossy Grid Networks. Lecture Notes in Computer Science, 2015, , 112-126.	1.0	6
18	A semantic analysis of key management protocols for wireless sensor networks. Science of Computer Programming, 2014, 81, 53-78.	1.5	20

#	ARTICLE	IF	CITATIONS
19	A calculus of trustworthy ad hoc networks. Formal Aspects of Computing, 2013, 25, 801-832.	1.4	10
20	Statistical Model Checking of a Clock Synchronization Protocol for Sensor Networks. Lecture Notes in Computer Science, 2013, , 168-182.	1.0	1
21	A timed calculus for wireless systems. Theoretical Computer Science, 2011, 412, 6585-6611.	0.5	29
22	A Calculus for the Analysis of Wireless Network Security Protocols. Lecture Notes in Computer Science, 2011, , 206-222.	1.0	3
23	Semantic Analysis of Gossip Protocols for Wireless Sensor Networks. Lecture Notes in Computer Science, 2011, , 156-170.	1.0	12
24	On the observational theory of the CPS-calculus. Acta Informatica, 2010, 47, 111-132.	0.5	2
25	Model Checking Ad Hoc Network Routing Protocols: ARAN vs. endairA. , 2010, , .		21
26	A Timed Calculus for Wireless Systems. Lecture Notes in Computer Science, 2010, , 228-243.	1.0	21
27	A Calculus of Trustworthy Ad Hoc Networks. Lecture Notes in Computer Science, 2010, , 157-172.	1.0	0
28	An Observational Theory for Mobile Ad Hoc Networks (full version). Information and Computation, 2009, 207, 194-208.	0.5	66
29	An Observational Theory for Mobile Ad Hoc Networks. Electronic Notes in Theoretical Computer Science, 2007, 173, 275-293.	0.9	24
30	Distributed Consensus, revisited. Acta Informatica, 2007, 44, 377-425.	0.5	10
31	On the Observational Theory of the CPS-calculus. Electronic Notes in Theoretical Computer Science, 2006, 158, 307-330.	0.9	1
32	A bisimulation-based semantic theory of Safe Ambients. ACM Transactions on Programming Languages and Systems, 2006, 28, 290-330.	1.7	25
33	Communication and mobility control in boxed ambients. Information and Computation, 2005, 202, 39-86.	0.5	23
34	Behavioral theory for mobile ambients. Journal of the ACM, 2005, 52, 961-1023.	1.8	63
35	On asynchrony in name-passing calculi. Mathematical Structures in Computer Science, 2004, 14, 715-767.	0.5	51
36	Towards a behavioural theory of access and mobility control in distributed systems. Theoretical Computer Science, 2004, 322, 615-669.	0.5	23

#	ARTICLE	IF	CITATIONS
37	Modeling Consensus in a Process Calculus. Lecture Notes in Computer Science, 2003, , 399-414.	1.0	20
38	Towards a Behavioural Theory of Access and Mobility Control in Distributed Systems. Lecture Notes in Computer Science, 2003, , 282-298.	1.0	12
39	Bisimulation Proof Methods for Mobile Ambients. Lecture Notes in Computer Science, 2003, , 584-598.	1.0	25
40	Bisimulation congruences in safe ambients. , 2002, , .		52
41	Bisimulation congruences in safe ambients. ACM SIGPLAN Notices, 2002, 37, 71-80.	0.2	11
42	Mobile Objects as Mobile Processes. Information and Computation, 2002, 177, 195-241.	0.5	7
43	Aliasing Models for Mobile Objects. Information and Computation, 2002, 175, 3-33.	0.5	4
44	Mobile Objects as Mobile Processes. Information and Computation, 2002, 177, 195-241.	0.5	1
45	Communication Interference in Mobile Boxed Ambients. Lecture Notes in Computer Science, 2002, , 71-84.	1.0	29
46	Typing and Subtyping Mobility in Boxed Ambients*. Lecture Notes in Computer Science, 2002, , 304-320.	1.0	27
47	On Equators in Asynchronous Name-passing Calculi without Matching “ Extended Abstract “. Electronic Notes in Theoretical Computer Science, 1999, 27, 57-70.	0.9	6
48	On the Expressiveness of Chi, Update, and Fusion calculi. Electronic Notes in Theoretical Computer Science, 1998, 16, 133-144.	0.9	9
49	On asynchrony in name-passing calculi. Lecture Notes in Computer Science, 1998, , 856-867.	1.0	56