Matthew Hennessy

List of Publications by Year
in descending order

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50	2,751	331538	233338
papers	citations	21 h-index	45 g-index

53	53	53	710
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Algebraic laws for nondeterminism and concurrency. Journal of the ACM, 1985, 32, 137-161.	1.8	1,054
2	On observing nondeterminism and concurrency. Lecture Notes in Computer Science, 1980, , 299-309.	1.0	274
3	Resource Access Control in Systems of Mobile Agents. Information and Computation, 2002, 173, 82-120.	0.5	180
4	Testing equivalence as a bisimulation equivalence. Formal Aspects of Computing, 1993, 5, 1-20.	1.4	93
5	Priorities in process algebras. Information and Computation, 1990, 87, 58-77.	0.5	85
6	CCS without Ï„'s. Lecture Notes in Computer Science, 1987, , 138-152.	1.0	63
7	Axiomatising Finite Concurrent Processes. SIAM Journal on Computing, 1988, 17, 997-1017.	0.8	60
8	Information flow vs. resource access in the asynchronous pi-calculus. ACM Transactions on Programming Languages and Systems, 2002, 24, 566-591.	1.7	55
9	Resource Access Control in Systems of Mobile Agents. Electronic Notes in Theoretical Computer Science, 1998, 16, 174-188.	0.9	54
10	Trust and partial typing in open systems of mobile agents. , 1999, , .		54
11	A term model for synchronous processes. Information and Control, 1981, 51, 58-75.	1.3	49
12	The power of the future perfect in program logics. Information and Control, 1985, 67, 23-52.	1.3	49
13	Testing Finitary Probabilistic Processes. Lecture Notes in Computer Science, 2009, , 274-288.	1.0	44
14	Distributed processes and location failures. Theoretical Computer Science, 2001, 266, 693-735.	0.5	35
15	Exploring probabilistic bisimulations, part I. Formal Aspects of Computing, 2012, 24, 749-768.	1.4	35
16	Typed behavioural equivalences for processes in the presence of subtyping. Mathematical Structures in Computer Science, 2004, 14, 651-684.	0.5	34
17	Adding action refinement to a finite process algebra. Lecture Notes in Computer Science, 1991, , 506-519.	1.0	33
18	Remarks on Testing Probabilistic Processes. Electronic Notes in Theoretical Computer Science, 2007, 172, 359-397.	0.9	30

#	Article	IF	Citations
19	Information Flow vs. Resource Access in the Asynchronous Pi-Calculus (Extended Abstract). Lecture Notes in Computer Science, 2000, , 415-427.	1.0	29
20	safeDpi: a language for controlling mobile code. Acta Informatica, 2005, 42, 227-290.	0.5	25
21	Axiomatising finite delay operators. Acta Informatica, 1984, 21, 61-88.	0.5	24
22	Towards a behavioural theory of access and mobility control in distributed systems. Theoretical Computer Science, 2004, 322, 615-669.	0.5	23
23	Subtyping and Locality in Distributed Higher Order Processes. Lecture Notes in Computer Science, 1999, , 557-572.	1.0	23
24	The security pi-calculus and non-interference. The Journal of Logic and Algebraic Programming, 2005, 63, 3-34.	1.4	22
25	Assigning Types to Processes. Information and Computation, 2002, 174, 143-179.	0.5	18
26	safeDpi: A Language for Controlling Mobile Code. Lecture Notes in Computer Science, 2004, , 241-256.	1.0	18
27	Characterising Testing Preorders for Finite Probabilistic Processes. , 2007, , .		17
28	A theory of system behaviour in the presence of node and link failure. Information and Computation, 2008, 206, 711-759.	0.5	16
29	On the Semantics of Markov Automata. Lecture Notes in Computer Science, 2011, , 307-318.	1.0	16
30	Modelling session types using contracts. Mathematical Structures in Computer Science, 2016, 26, 510-560.	0.5	15
31	A Theory of System Behaviour in the Presence of Node and Link Failures. Lecture Notes in Computer Science, 2005, , 368-382.	1.0	15
32	Typed behavioural equivalences for processes in the presence of subtyping. Electronic Notes in Theoretical Computer Science, 2002, 61, 122-139.	0.9	12
33	Towards a Behavioural Theory of Access and Mobility Control in Distributed Systems. Lecture Notes in Computer Science, 2003, , 282-298.	1.0	12
34	Trust and Partial Typing in Open Systems of Mobile Agents. Journal of Automated Reasoning, 2003, 31, 335-370.	1.1	11
35	Counting the Cost in the Picalculus (Extended Abstract). Electronic Notes in Theoretical Computer Science, 2009, 229, 117-129.	0.9	11
36	A theory for observational fault tolerance. The Journal of Logic and Algebraic Programming, 2007, 73, 22-50.	1.4	9

#	Article	IF	Citations
37	Security Policies as Membranes in Systems for Global Computing. Logical Methods in Computer Science, 2005, 1, .	0.4	9
38	A calculus for costed computations. Logical Methods in Computer Science, 0, Volume 7, Issue 1, .	0.4	9
39	Adding recursion to Dpi. Theoretical Computer Science, 2007, 373, 182-212.	0.5	8
40	Real-reward testing for probabilistic processes. Theoretical Computer Science, 2014, 538, 16-36.	0.5	6
41	Compliance and Testing Preorders Differ. Lecture Notes in Computer Science, 2014, , 69-81.	1.0	6
42	Security Policies as Membranes in Systems for Global Computing. Electronic Notes in Theoretical Computer Science, 2005, 138, 23-42.	0.9	5
43	Proof Methodologies for Behavioural Equivalence in Dpi. Lecture Notes in Computer Science, 2005, , 335-350.	1.0	5
44	Twenty Years on: Reflections on the CEDISYS Project. Combining True Concurrency with Process Algebra. Lecture Notes in Computer Science, 2008, , 757-777.	1.0	5
45	A Theory for Observational Fault Tolerance. Lecture Notes in Computer Science, 2006, , 16-31.	1.0	3
46	Process Behaviour: Formulae vs. Tests (Extended Abstract). Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 41, 31-45.	0.8	3
47	A Testing Theory for a Higher-Order Cryptographic Language. Lecture Notes in Computer Science, 2011, , 358-377.	1.0	3
48	Real-Reward Testing for Probabilistic Processes (Extended Abstract). Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 57, 61-73.	0.8	2
49	Adding Recursion to Dpi. Electronic Notes in Theoretical Computer Science, 2006, 156, 115-133.	0.9	0
50	Distributed Systems and Their Environments. Lecture Notes in Computer Science, 2009, , 4-5.	1.0	0