

# Matthew Hennessy

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,751  
citations

331538

21  
h-index

233338

45  
g-index

53  
all docs

53  
docs citations

53  
times ranked

710  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling session types using contracts. <i>Mathematical Structures in Computer Science</i> , 2016, 26, 510-560.	0.5	15
2	Real-reward testing for probabilistic processes. <i>Theoretical Computer Science</i> , 2014, 538, 16-36.	0.5	6
3	Compliance and Testing Preorders Differ. <i>Lecture Notes in Computer Science</i> , 2014, , 69-81.	1.0	6
4	Exploring probabilistic bisimulations, part I. <i>Formal Aspects of Computing</i> , 2012, 24, 749-768.	1.4	35
5	On the Semantics of Markov Automata. <i>Lecture Notes in Computer Science</i> , 2011, , 307-318.	1.0	16
6	A Testing Theory for a Higher-Order Cryptographic Language. <i>Lecture Notes in Computer Science</i> , 2011, , 358-377.	1.0	3
7	Counting the Cost in the Picalculus (Extended Abstract). <i>Electronic Notes in Theoretical Computer Science</i> , 2009, 229, 117-129.	0.9	11
8	Testing Finitary Probabilistic Processes. <i>Lecture Notes in Computer Science</i> , 2009, , 274-288.	1.0	44
9	Distributed Systems and Their Environments. <i>Lecture Notes in Computer Science</i> , 2009, , 4-5.	1.0	0
10	A theory of system behaviour in the presence of node and link failure. <i>Information and Computation</i> , 2008, 206, 711-759.	0.5	16
11	Twenty Years on: Reflections on the CEDISYS Project. Combining True Concurrency with Process Algebra. <i>Lecture Notes in Computer Science</i> , 2008, , 757-777.	1.0	5
12	Characterising Testing Preorders for Finite Probabilistic Processes. , 2007, , .		17
13	Adding recursion to Dpi. <i>Theoretical Computer Science</i> , 2007, 373, 182-212.	0.5	8
14	A theory for observational fault tolerance. <i>The Journal of Logic and Algebraic Programming</i> , 2007, 73, 22-50.	1.4	9
15	Remarks on Testing Probabilistic Processes. <i>Electronic Notes in Theoretical Computer Science</i> , 2007, 172, 359-397.	0.9	30
16	Adding Recursion to Dpi. <i>Electronic Notes in Theoretical Computer Science</i> , 2006, 156, 115-133.	0.9	0
17	A Theory for Observational Fault Tolerance. <i>Lecture Notes in Computer Science</i> , 2006, , 16-31.	1.0	3
18	Security Policies as Membranes in Systems for Global Computing. <i>Electronic Notes in Theoretical Computer Science</i> , 2005, 138, 23-42.	0.9	5

#	ARTICLE	IF	CITATIONS
19	The security pi-calculus and non-interference. The Journal of Logic and Algebraic Programming, 2005, 63, 3-34.	1.4	22
20	safeDpi: a language for controlling mobile code. Acta Informatica, 2005, 42, 227-290.	0.5	25
21	A Theory of System Behaviour in the Presence of Node and Link Failures. Lecture Notes in Computer Science, 2005, , 368-382.	1.0	15
22	Proof Methodologies for Behavioural Equivalence in Dpi. Lecture Notes in Computer Science, 2005, , 335-350.	1.0	5
23	Security Policies as Membranes in Systems for Global Computing. Logical Methods in Computer Science, 2005, 1, .	0.4	9
24	Typed behavioural equivalences for processes in the presence of subtyping. Mathematical Structures in Computer Science, 2004, 14, 651-684.	0.5	34
25	Towards a behavioural theory of access and mobility control in distributed systems. Theoretical Computer Science, 2004, 322, 615-669.	0.5	23
26	safeDpi: A Language for Controlling Mobile Code. Lecture Notes in Computer Science, 2004, , 241-256.	1.0	18
27	Trust and Partial Typing in Open Systems of Mobile Agents. Journal of Automated Reasoning, 2003, 31, 335-370.	1.1	11
28	Towards a Behavioural Theory of Access and Mobility Control in Distributed Systems. Lecture Notes in Computer Science, 2003, , 282-298.	1.0	12
29	Information flow vs. resource access in the asynchronous pi-calculus. ACM Transactions on Programming Languages and Systems, 2002, 24, 566-591.	1.7	55
30	Typed behavioural equivalences for processes in the presence of subtyping. Electronic Notes in Theoretical Computer Science, 2002, 61, 122-139.	0.9	12
31	Resource Access Control in Systems of Mobile Agents. Information and Computation, 2002, 173, 82-120.	0.5	180
32	Assigning Types to Processes. Information and Computation, 2002, 174, 143-179.	0.5	18
33	Distributed processes and location failures. Theoretical Computer Science, 2001, 266, 693-735.	0.5	35
34	Information Flow vs. Resource Access in the Asynchronous Pi-Calculus (Extended Abstract). Lecture Notes in Computer Science, 2000, , 415-427.	1.0	29
35	Trust and partial typing in open systems of mobile agents. , 1999, , .		54
36	Subtyping and Locality in Distributed Higher Order Processes. Lecture Notes in Computer Science, 1999, , 557-572.	1.0	23

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37	Resource Access Control in Systems of Mobile Agents. <i>Electronic Notes in Theoretical Computer Science</i> , 1998, 16, 174-188.	0.9	54
38	Testing equivalence as a bisimulation equivalence. <i>Formal Aspects of Computing</i> , 1993, 5, 1-20.	1.4	93
39	Adding action refinement to a finite process algebra. <i>Lecture Notes in Computer Science</i> , 1991, , 506-519.	1.0	33
40	Priorities in process algebras. <i>Information and Computation</i> , 1990, 87, 58-77.	0.5	85
41	Axiomatising Finite Concurrent Processes. <i>SIAM Journal on Computing</i> , 1988, 17, 997-1017.	0.8	60
42	CCS without $\bar{i}, 's$ . <i>Lecture Notes in Computer Science</i> , 1987, , 138-152.	1.0	63
43	The power of the future perfect in program logics. <i>Information and Control</i> , 1985, 67, 23-52.	1.3	49
44	Algebraic laws for nondeterminism and concurrency. <i>Journal of the ACM</i> , 1985, 32, 137-161.	1.8	1,054
45	Axiomatising finite delay operators. <i>Acta Informatica</i> , 1984, 21, 61-88.	0.5	24
46	A term model for synchronous processes. <i>Information and Control</i> , 1981, 51, 58-75.	1.3	49
47	On observing nondeterminism and concurrency. <i>Lecture Notes in Computer Science</i> , 1980, , 299-309.	1.0	274
48	A calculus for costed computations. <i>Logical Methods in Computer Science</i> , 0, Volume 7, Issue 1, .	0.4	9
49	Real-Reward Testing for Probabilistic Processes (Extended Abstract). <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 57, 61-73.	0.8	2
50	Process Behaviour: Formulae vs. Tests (Extended Abstract). <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 41, 31-45.	0.8	3