Robert Harper

List of Publications by Year
in descending order

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34 papers	2,212 citations	686830 13 h-index	580395 25 g-index
35 all docs	35 docs citations	35 times ranked	612 citing authors

#	Article	IF	Citations
1	Logical Relations as Types: Proof-Relevant Parametricity for Program Modules. Journal of the ACM, 2021, 68, 1-47.	1.8	8
2	Exception tracking in an open world. Theoretical Computer Science, 2018, 741, 25-31.	0.5	0
3	Meaning explanations at higher dimension. Indagationes Mathematicae, 2018, 29, 135-149.	0.2	2
4	Guarded Computational Type Theory. , 2018, , .		7
5	Correctness of compiling polymorphism to dynamic typing. Journal of Functional Programming, 2017, 27, .	0.5	2
6	Computational higher-dimensional type theory. , 2017, , .		20
7	Homotopical patch theory. Journal of Functional Programming, 2016, 26, .	0.5	6
8	Homotopical patch theory. , 2014, , .		13
9	Homotopical patch theory. ACM SIGPLAN Notices, 2014, 49, 243-256.	0.2	4
10	Canonicity for 2-dimensional type theory. , 2012, , .		20
11	Canonicity for 2-dimensional type theory. ACM SIGPLAN Notices, 2012, 47, 337-348.	0.2	2
12	2-Dimensional Directed Type Theory. Electronic Notes in Theoretical Computer Science, 2011, 276, 263-289.	0.9	17
13	Space profiling for parallel functional programs. Journal of Functional Programming, 2010, 20, 417-461.	0.5	10
14	Distributed programming with distributed authorization. , 2010, , .		17
15	A universe of binding and computation. , 2009, , .		27
16	Focusing on Binding and Computation. Proceedings - Symposium on Logic in Computer Science, 2008, , .	0.0	27
17	Mechanizing metatheory in a logical framework. Journal of Functional Programming, 2007, 17, 613-673.	0.5	63
18	Syntactic Logical Relations for Polymorphic and Recursive Types. Electronic Notes in Theoretical Computer Science, 2007, 172, 259-299.	0.9	29

#	Article	IF	Citations
19	Extensional equivalence and singleton types. ACM Transactions on Computational Logic, 2006, 7, 676-722.	0.7	33
20	On equivalence and canonical forms in the LF type theory. ACM Transactions on Computational Logic, 2005, 6, 61-101.	0.7	57
21	Distributed Control Flow with Classical Modal Logic. Lecture Notes in Computer Science, 2005, , 51-69.	1.0	14
22	Automatic Generation of Staged Geometric Predicates. Higher-Order and Symbolic Computation, 2003, 16, 379-400.	0.3	5
23	Persistent triangulations. Journal of Functional Programming, 2001, 11, 441-466.	0.5	8
24	A Network Protocol Stack in Standard ML. Higher-Order and Symbolic Computation, 2001, 14, 309-356.	0.3	17
25	On the Unusual Effectiveness of Logic in Computer Science. Bulletin of Symbolic Logic, 2001, 7, 213-236.	0.2	44
26	Parametricity and variants of Girard's operator. Information Processing Letters, 1999, 70, 1-5.	0.4	18
27	Generational stack collection and profile-driven pretenuring. ACM SIGPLAN Notices, 1998, 33, 162-173.	0.2	8
28	The Definition of Standard ML. , 1997, , .		934
29	Operational interpretations of an extension of F_{Ï‰} with control operators. Journal of Functional Programming, 1996, 6, 393-418.	0.5	7
30	A note on â€œA simplified account of polymorphic referencesâ€• Information Processing Letters, 1996, 57, 15-16.	0.4	7
31	Research in programming languages for composability, safety, and performance. ACM Computing Surveys, 1996, 28, 195.	16.1	0
32	A simplified account of polymorphic references. Information Processing Letters, 1994, 51, 201-206.	0.4	53
33	A framework for defining logics. Journal of the ACM, 1993, 40, 143-184.	1.8	688
34	Typing first-class continuations in ML. Journal of Functional Programming, 1993, 3, 465-484.	0.5	41