

Robert Harper

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,212
citations

687220

13
h-index

580701

25
g-index

35
all docs

35
docs citations

35
times ranked

612
citing authors

#	ARTICLE	IF	CITATIONS
1	The Definition of Standard ML. , 1997, , .		934
2	A framework for defining logics. Journal of the ACM, 1993, 40, 143-184.	1.8	688
3	Mechanizing metatheory in a logical framework. Journal of Functional Programming, 2007, 17, 613-673.	0.5	63
4	On equivalence and canonical forms in the LF type theory. ACM Transactions on Computational Logic, 2005, 6, 61-101.	0.7	57
5	A simplified account of polymorphic references. Information Processing Letters, 1994, 51, 201-206.	0.4	53
6	On the Unusual Effectiveness of Logic in Computer Science. Bulletin of Symbolic Logic, 2001, 7, 213-236.	0.2	44
7	Typing first-class continuations in ML. Journal of Functional Programming, 1993, 3, 465-484.	0.5	41
8	Extensional equivalence and singleton types. ACM Transactions on Computational Logic, 2006, 7, 676-722.	0.7	33
9	Syntactic Logical Relations for Polymorphic and Recursive Types. Electronic Notes in Theoretical Computer Science, 2007, 172, 259-299.	0.9	29
10	Focusing on Binding and Computation. Proceedings - Symposium on Logic in Computer Science, 2008, , .	0.0	27
11	A universe of binding and computation. , 2009, , .		27
12	Canonicity for 2-dimensional type theory. , 2012, , .		20
13	Computational higher-dimensional type theory. , 2017, , .		20
14	Parametricity and variants of Girard's operator. Information Processing Letters, 1999, 70, 1-5.	0.4	18
15	A Network Protocol Stack in Standard ML. Higher-Order and Symbolic Computation, 2001, 14, 309-356.	0.3	17
16	Distributed programming with distributed authorization. , 2010, , .		17
17	2-Dimensional Directed Type Theory. Electronic Notes in Theoretical Computer Science, 2011, 276, 263-289.	0.9	17
18	Distributed Control Flow with Classical Modal Logic. Lecture Notes in Computer Science, 2005, , 51-69.	1.0	14

#	ARTICLE	IF	CITATIONS
19	Homotopical patch theory. , 2014, , .		13
20	Space profiling for parallel functional programs. Journal of Functional Programming, 2010, 20, 417-461.	0.5	10
21	Persistent triangulations. Journal of Functional Programming, 2001, 11, 441-466.	0.5	8
22	Generational stack collection and profile-driven pretenuring. ACM SIGPLAN Notices, 1998, 33, 162-173.	0.2	8
23	Logical Relations as Types: Proof-Relevant Parametricity for Program Modules. Journal of the ACM, 2021, 68, 1-47.	1.8	8
24	Operational interpretations of an extension of $F_{\text{sub}}^{\text{io}}$ with control operators. Journal of Functional Programming, 1996, 6, 393-418.	0.5	7
25	A note on a simplified account of polymorphic references. Information Processing Letters, 1996, 57, 15-16.	0.4	7
26	Guarded Computational Type Theory. , 2018, , .		7
27	Homotopical patch theory. Journal of Functional Programming, 2016, 26, .	0.5	6
28	Automatic Generation of Staged Geometric Predicates. Higher-Order and Symbolic Computation, 2003, 16, 379-400.	0.3	5
29	Homotopical patch theory. ACM SIGPLAN Notices, 2014, 49, 243-256.	0.2	4
30	Canonicity for 2-dimensional type theory. ACM SIGPLAN Notices, 2012, 47, 337-348.	0.2	2
31	Correctness of compiling polymorphism to dynamic typing. Journal of Functional Programming, 2017, 27, .	0.5	2
32	Meaning explanations at higher dimension. Indagationes Mathematicae, 2018, 29, 135-149.	0.2	2
33	Exception tracking in an open world. Theoretical Computer Science, 2018, 741, 25-31.	0.5	0
34	Research in programming languages for composability, safety, and performance. ACM Computing Surveys, 1996, 28, 195.	16.1	0