Paul Hudak

List of Publications by Year
in descending order

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64

papers

3,147

citations

516710

16

h-index

395702

33

g-index

78

all docs

78

docs citations

78

times ranked

862

citing authors

#	Article	IF	Citations
1	Settable and non-interfering signal functions for FRP. , 2014, , .		7
2	Tiled polymorphic temporal media. , 2014, , .		7
3	Settable and non-interfering signal functions for FRP. ACM SIGPLAN Notices, 2014, 49, 213-225.	0.2	2
4	Wormholes. ACM SIGPLAN Notices, 2013, 47, 91-104.	0.2	1
5	Wormholes. , 2012, , .		41
6	Causal commutative arrows. Journal of Functional Programming, 2011, 21, 467-496.	0.8	14
7	An Ode to Arrows. Lecture Notes in Computer Science, 2010, , 152-166.	1.3	2
8	Causal commutative arrows and their optimization. ACM SIGPLAN Notices, 2009, 44, 35-46.	0.2	5
9	A history of Haskell. , 2007, , .		120
10	Plugging a Space Leak with an Arrow. Electronic Notes in Theoretical Computer Science, 2007, 193, 29-45.	0.9	61
11	First-class monadic schedules. ACM Transactions on Programming Languages and Systems, 2004, 26, 609-651.	2.1	2
12	Arrows, Robots, and Functional Reactive Programming. Lecture Notes in Computer Science, 2003, , 159-187.	1.3	114
13	Real-time FRP. ACM SIGPLAN Notices, 2001, 36, 146-156.	0.2	9
14	Directions in Functional Programming for Real(-Time) Applications. Lecture Notes in Computer Science, 2001, , 185-203.	1.3	7
15	Functional reactive programming from first principles. ACM SIGPLAN Notices, 2000, 35, 242-252.	0.2	47
16	Linguistic, Philosophical, and Pragmatic Aspects of Type-Directed Natural Language Parsing. Lecture Notes in Computer Science, 1999, , 70-91.	1.3	1
17	Lambda in Motion: Controlling Robots with Haskell. Lecture Notes in Computer Science, 1998, , 91-105.	1.3	31
18	Functional reactive animation. , 1997, , .		401

#	Article	IF	Citations
19	Functional reactive animation. ACM SIGPLAN Notices, 1997, 32, 263-273.	0.2	69
20	Haskore music notation â€“ An algebra of music â€“. Journal of Functional Programming, 1996, 6, 465-484.	0.8	45
21	Building domain-specific embedded languages. ACM Computing Surveys, 1996, 28, 196.	23.0	327
22	Modular denotational semantics for compiler construction. Lecture Notes in Computer Science, 1996, , 219-234.	1.3	46
23	Semantics directed program execution monitoring. Journal of Functional Programming, 1995, 5, 501-547.	0.8	12
24	Monad transformers and modular interpreters. , 1995, , .		309
25	A gentle introduction to Haskell. ACM SIGPLAN Notices, 1992, 27, 1-52.	0.2	92
26	Report on the programming language Haskell. ACM SIGPLAN Notices, 1992, 27, 1-164.	0.2	539
27	Monitoring semantics. ACM SIGPLAN Notices, 1991, 26, 338-352.	0.2	8
28	Compilation of Haskell array comprehensions for scientific computing. ACM SIGPLAN Notices, 1990, 25, 137-149.	0.2	5
29	Conception, evolution, and application of functional programming languages. ACM Computing Surveys, 1989, 21, 359-411.	23.0	276
30	Code optimizations for lazy evaluation. Higher-Order and Symbolic Computation, 1988, 1, 147-164.	0.6	27
31	An algebraic model for divide-and-conquer and its parallelism. Journal of Supercomputing, 1988, 2, 257-278.	3.6	47
32	Graphinators and the duality of SIMD and MIMD. , 1988, , .		26
33	Path semantics. Lecture Notes in Computer Science, 1988, , 476-489.	1.3	17
34	Pomset interpretations of parallel functional programs. Lecture Notes in Computer Science, 1987, , 234-256.	1.3	15
35	A new list compaction method. Software - Practice and Experience, 1986, 16, 145-163.	3.6	11
36	Denotational semantics of a para-functional programming language. International Journal of Parallel Programming, 1986, 15, 103-125.	1.5	7

#	Article	IF	Citations
37	ORBIT: an optimizing compiler for scheme. ACM SIGPLAN Notices, 1986, 21, 219-233.	0.2	102
38	Para-functional programming. , 1986, , .		34
39	Higher-order strictness analysis in untyped lambda calculus. , 1986, , .		63
40	Distributed execution of functional programs using serial combinators. IEEE Transactions on Computers, 1985, C-34, 881-891.	3.4	34
41	Serial combinators: "optimal" grains of parallelism. Lecture Notes in Computer Science, 1985, , 382-399.	1.3	54
42	More Music. , 0, , 84-103.		0
43	Computer Music, Euterpea, and Haskell. , 0, , 1-26.		0
44	Simple Music. , 0, , 27-41.		0
45	Polymorphic and Higher-Order Functions. , 0, , 42-62.		0
46	A Musical Interlude. , 0, , 63-73.		0
47	Syntactic Magic. , 0, , 74-83.		0
48	Qualified Types and Type Classes. , 0, , 104-124.		0
49	From Music to MIDI. , 0, , 125-133.		0
50	Interpretation and Performance. , 0, , 134-147.		0
51	Self-Similar Music. , 0, , 148-155.		0
52	Proof by Induction. , 0, , 156-174.		0
53	An Algebra of Music. , 0, , 175-183.		0
54	L-Systems and Generative Grammars. , 0, , 184-192.		0

#	ARTICLE	IF	CITATIONS
55	Random Numbers, Probability Distributions, and Markov Chains. , 0, , 193-204.		0
56	Basic Input/Output. , 0, , 205-210.		0
57	Higher-Order Types and Monads. , 0, , 211-226.		0
58	Musical User Interfaces. , 0, , 227-261.		0
59	Sound and Signals. , 0, , 262-281.		0
60	Euterpeaâ€™s Signal Functions. , 0, , 282-298.		0
61	Spectrum Analysis. , 0, , 299-317.		0
62	Additive and Subtractive Synthesis. , 0, , 318-330.		0
63	Amplitude and Frequency Modulation. , 0, , 331-335.		0
64	Physical Modeling. , 0, , 336-345.		0