Kathryn S Mckinley

List of Publications by Year
in descending order

56 papers	3,752 citations	687363 13 h-index	580821 25 g-index
56 all docs	56 docs citations	56 times ranked	1136 citing authors

#	Article	IF	Citations
1	The DaCapo benchmarks. , 2006, , .		1,119
2	Hoard. , 2000, , .		207
3	Compiler optimizations for improving data locality. , 1994, , .		198
4	Myths and realities. , 2004, , .		169
5	Hoard. ACM SIGPLAN Notices, 2000, 35, 117-128.	0.2	149
6	Immix. , 2008, , .		127
7	The garbage collection advantage. , 2004, , .		123
8	Redundant memory mappings for fast access to large memories. , 2015, , .		115
9	Dynamic software updates. , 2009, , .		107
10	Cork. , 2007, , .		94
11	Wake up and smell the coffee. Communications of the ACM, 2008, 51, 83-89.	4.5	90
12	Reconsidering custom memory allocation. , 2002, , .		86
13	Optimizing for parallelism and data locality. , 1992, , .		84
14	Bell. , 2006, , .		84
15	Beltway. , 2002, , .		73
16	Age-based garbage collection. , 1999, , .		68
17	Simple and effective analysis of statically-typed object-oriented programs. , 1996, , .		64
18	Why nothing matters. , 2011, , .		57

#	Article	IF	Citations
19	Tolerating memory leaks. , 2008, , .		55
20	Looking back on the language and hardware revolutions. , 2011, , .		53
21	Dynamic object sampling for pretenuring. , 2004, , .		45
22	Leak pruning. , 2009, , .		43
23	Quantifying loop nest locality using SPEC'95 and the perfect benchmarks. ACM Transactions on Computer Systems, 1999, 17, 288-336.	0.8	41
24	Tile size selection using cache organization and data layout. ACM SIGPLAN Notices, 1995, 30, 279-290.	0.2	40
25	Using types to analyze and optimize object-oriented programs. ACM Transactions on Programming Languages and Systems, 2001, 23, 30-72.	2.1	37
26	Interprocedural transformations for parallel code generation. , 1991, , .		35
27	In or out?. , 2002, , .		34
28	Type-based alias analysis. ACM SIGPLAN Notices, 1998, 33, 106-117.	0.2	32
29	Bounded partial-order reduction. , 2013, , .		31
30	Probabilistic calling context. ACM SIGPLAN Notices, 2007, 42, 97-112.	0.2	26
31	Hoard. Computer Architecture News, 2000, 28, 117-128.	2.5	24
32	Cooperative cache scrubbing. , 2014, , .		23
33	PACER. ACM SIGPLAN Notices, 2010, 45, 255-268.	0.2	22
34	Composing high-performance memory allocators. ACM SIGPLAN Notices, 2001, 36, 114-124.	0.2	21
35	Compiler optimizations for improving data locality. ACM SIGPLAN Notices, 1994, 29, 252-262.	0.2	17
36	A security policy oracle. ACM SIGPLAN Notices, 2011, 46, 343-354.	0.2	15

#	Article	IF	Citations
37	Hoard. Operating Systems Review (ACM), 2000, 34, 117-128.	1.9	13
38	Beltway. ACM SIGPLAN Notices, 2002, 37, 153-164.	0.2	13
39	Ulterior reference counting. ACM SIGPLAN Notices, 2003, 38, 344-358.	0.2	13
40	Immix. ACM SIGPLAN Notices, 2008, 43, 22-32.	0.2	13
41	The garbage collection advantage. ACM SIGPLAN Notices, 2004, 39, 69-80.	0.2	12
42	Using managed runtime systems to tolerate holes in wearable memories. , 2013, , .		12
43	Redundant memory mappings for fast access to large memories. Computer Architecture News, 2016, 43, 66-78.	2.5	12
44	Age-based garbage collection. ACM SIGPLAN Notices, 1999, 34, 370-381.	0.2	11
45	Looking back on the language and hardware revolutions. Computer Architecture News, 2011, 39, 319-332.	2.5	11
46	Simple and effective analysis of statically-typed object-oriented programs. ACM SIGPLAN Notices, 1996, 31, 292-305.	0.2	9
47	Write-rationing garbage collection for hybrid memories. ACM SIGPLAN Notices, 2018, 53, 62-77.	0.2	9
48	Automating object transformations for dynamic software updating. ACM SIGPLAN Notices, 2012, 47, 265-280.	0.2	5
49	Compiler optimizations for improving data locality. Operating Systems Review (ACM), 1994, 28, 252-262.	1.9	4
50	A quantitative analysis of loop nest locality. ACM SIGPLAN Notices, 1996, 31, 94-104.	0.2	3
51	Leak pruning. ACM SIGPLAN Notices, 2009, 44, 277-288.	0.2	2
52	Finding your cronies. ACM SIGPLAN Notices, 2004, 39, 237-250.	0.2	1
53	Bounded partial-order reduction. ACM SIGPLAN Notices, 2013, 48, 833-848.	0.2	1
54	A quantitative analysis of loop nest locality. Operating Systems Review (ACM), 1996, 30, 94-104.	1.9	0

#	Article	IF	Citations
55	On models for object lifetime distributions. ACM SIGPLAN Notices, 2001, 36, 137-142.	0.2	0
56	Bell. Computer Architecture News, 2006, 34, 61-72.	2.5	0