David F Bacon

List of Publications by Year
in descending order

35 papers	1,373 citations	1040056 9 h-index	794594 19 g-index
35 all docs	35 docs citations	35 times ranked	599 citing authors

#	Article	IF	Citations
1	And then there were none. Communications of the ACM, 2013, 56, 101-109.	4.5	25
2	FPGA programming for the masses. Communications of the ACM, 2013, 56, 56-63.	4.5	100
3	The Liquid Metal Blokus Duo Design. , 2013, , .		2
4	A compiler and runtime for heterogeneous computing. , 2012, , .		50
5	And then there were none. , 2012, , .		7
6	Compiling a high-level language for GPUs. , 2012, , .		64
7	Lime. ACM SIGPLAN Notices, 2010, 45, 89-108.	0.2	20
8	Lime. , 2010, , .		105
9	A computing origami. , 2009, , .		31
10	Minimizing dependencies within generic classes for faster and smaller programs. ACM SIGPLAN Notices, 2009, 44, 425-444.	0.2	1
11	Low-latency time-portable real-time programming with Exotasks. Transactions on Embedded Computing Systems, 2009, 8, 1-48.	2.9	8
12	Liquid Metal: Object-Oriented Programming Across the Hardware/Software Boundary. Lecture Notes in Computer Science, 2008, , 76-103.	1.3	53
13	Tax-and-spend. , 2008, , .		37
14	Languages and performance engineering. ACM SIGPLAN Notices, 2008, 43, 87-92.	0.2	2
15	TuningFork. , 2007, , .		9
16	Java takes flight. ACM SIGPLAN Notices, 2007, 42, 51-62.	0.2	4
17	CGCExplorer. ACM SIGPLAN Notices, 2007, 42, 456-467.	0.2	3
18	The ExoVM system for automatic VM and application reduction. ACM SIGPLAN Notices, 2007, 42, 352-362.	0.2	0

#	Article	IF	Citations
19	Correctness-preserving derivation of concurrent garbage collection algorithms. ACM SIGPLAN Notices, 2006, 41, 341-353.	0.2	5
20	Eventrons. , 2006, , .		27
21	Eventrons. ACM SIGPLAN Notices, 2006, 41, 283-294.	0.2	7
22	Correctness-preserving derivation of concurrent garbage collection algorithms. , 2006, , .		25
23	Derivation and Evaluation of Concurrent Collectors. Lecture Notes in Computer Science, 2005, , 577-601.	1.3	8
24	Garbage collection for embedded systems. , 2004, , .		26
25	A unified theory of garbage collection. ACM SIGPLAN Notices, 2004, 39, 50-68.	0.2	2
26	Thin locks. ACM SIGPLAN Notices, 2004, 39, 583-595.	0.2	4
27	A unified theory of garbage collection. , 2004, , .		30
28	A real-time garbage collector with low overhead and consistent utilization. ACM SIGPLAN Notices, 2003, 38, 285-298.	0.2	47
29	Controlling fragmentation and space consumption in the metronome, a real-time garbage collector for Java. ACM SIGPLAN Notices, 2003, 38, 81-92.	0.2	20
30	A real-time garbage collector with low overhead and consistent utilization. , 2003, , .		218
31	Java without the coffee breaks. ACM SIGPLAN Notices, 2001, 36, 92-103.	0.2	16
32	Java without the coffee breaks. , 2001, , .		85
33	Concurrent Cycle Collection in Reference Counted Systems. Lecture Notes in Computer Science, 2001, , 207-235.	1.3	33
34	Guava. ACM SIGPLAN Notices, 2000, 35, 382-400.	0.2	14
35	Fast static analysis of C++ virtual function calls. , 1996, , .		285