

David F Bacon

List of Publications by Year in descending order

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Version: 2024-02-01

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	Fast static analysis of C++ virtual function calls. , 1996, , .		285
2	A real-time garbage collector with low overhead and consistent utilization. , 2003, , .		218
3	Lime. , 2010, , .		105
4	FPGA programming for the masses. Communications of the ACM, 2013, 56, 56-63.	4.5	100
5	Java without the coffee breaks. , 2001, , .		85
6	Compiling a high-level language for GPUs. , 2012, , .		64
7	Liquid Metal: Object-Oriented Programming Across the Hardware/Software Boundary. Lecture Notes in Computer Science, 2008, , 76-103.	1.3	53
8	A compiler and runtime for heterogeneous computing. , 2012, , .		50
9	A real-time garbage collector with low overhead and consistent utilization. ACM SIGPLAN Notices, 2003, 38, 285-298.	0.2	47
10	Tax-and-spend. , 2008, , .		37
11	Concurrent Cycle Collection in Reference Counted Systems. Lecture Notes in Computer Science, 2001, , 207-235.	1.3	33
12	A computing origami. , 2009, , .		31
13	A unified theory of garbage collection. , 2004, , .		30
14	Eventrons. , 2006, , .		27
15	Garbage collection for embedded systems. , 2004, , .		26
16	Correctness-preserving derivation of concurrent garbage collection algorithms. , 2006, , .		25
17	And then there were none. Communications of the ACM, 2013, 56, 101-109.	4.5	25
18	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

#	ARTICLE	IF	CITATIONS
19	Lime. ACM SIGPLAN Notices, 2010, 45, 89-108.	0.2	20
20	Java without the coffee breaks. ACM SIGPLAN Notices, 2001, 36, 92-103.	0.2	16
21	Guava. ACM SIGPLAN Notices, 2000, 35, 382-400.	0.2	14
22	TuningFork. , 2007, , .		9
23	Low-latency time-portable real-time programming with Exotasks. Transactions on Embedded Computing Systems, 2009, 8, 1-48.	2.9	8
24	Derivation and Evaluation of Concurrent Collectors. Lecture Notes in Computer Science, 2005, , 577-601.	1.3	8
25	Eventrons. ACM SIGPLAN Notices, 2006, 41, 283-294.	0.2	7
26	And then there were none. , 2012, , .		7
27	Correctness-preserving derivation of concurrent garbage collection algorithms. ACM SIGPLAN Notices, 2006, 41, 341-353.	0.2	5
28	Thin locks. ACM SIGPLAN Notices, 2004, 39, 583-595.	0.2	4
29	Java takes flight. ACM SIGPLAN Notices, 2007, 42, 51-62.	0.2	4
30	CGCEXplorer. ACM SIGPLAN Notices, 2007, 42, 456-467.	0.2	3
31	A unified theory of garbage collection. ACM SIGPLAN Notices, 2004, 39, 50-68.	0.2	2
32	The Liquid Metal Blokus Duo Design. , 2013, , .		2
33	Languages and performance engineering. ACM SIGPLAN Notices, 2008, 43, 87-92.	0.2	2
34	Minimizing dependencies within generic classes for faster and smaller programs. ACM SIGPLAN Notices, 2009, 44, 425-444.	0.2	1
35	The ExoVM system for automatic VM and application reduction. ACM SIGPLAN Notices, 2007, 42, 352-362.	0.2	0