Bronis R De Supinski

List of Publications by Year
in descending order

16 papers	905 citations	1478505 6 h-index	1720034 7 g-index
16 all docs	16 docs citations	16 times ranked	520 citing authors

#	Article	IF	Citations
1	ScalaTrace: Scalable compression and replay of communication traces for high-performance computing. Journal of Parallel and Distributed Computing, 2009, 69, 696-710.	4.1	223
2	Prediction models for multi-dimensional power-performance optimization on many cores. , 2008, , .		120
3	Stack Trace Analysis for Large Scale Debugging. , 2007, , .		99
4	Hybrid MPI/OpenMP power-aware computing. , 2010, , .		95
5	A Scalable and Distributed Dynamic Formal Verifier for MPI Programs. , 2010, , .		65
6	Formal analysis of MPI-based parallel programs. Communications of the ACM, 2011, 54, 82-91.	4.5	56
7	P ^{N} MPI tools. , 2007, , .		48
8	Preserving time in large-scale communication traces. , 2008, , .		40
9	Scalable temporal order analysis for large scale debugging. , 2009, , .		38
10	Scalable Compression and Replay of Communication Traces in Massively P arallel E nvironments. , 2007, , .		28
11	Using MPI Communication Patterns to Guide Source Code Transformations. Lecture Notes in Computer Science, 2008, , 253-260.	1.3	25
12	Debugging high-performance computing applications at massive scales. Communications of the ACM, 2015, 58, 72-81.	4.5	21
13	Transforming MPI source code based on communication patterns. Future Generation Computer Systems, 2010, 26, 147-154.	7.5	18
14	Critical path-based thread placement for NUMA systems. Performance Evaluation Review, 2012, 40, 106-112.	0.6	13
15	Large Scale Verification of MPI Programs Using Lamport Clocks with Lazy Update. , 2011, , .		11
16	ScalaTrace: Tracing, Analysis and Modeling of HPC Codes at Scale. Lecture Notes in Computer Science, 2012, , 410-418.	1.3	5