

# Xingfu Wu

## List of Publications by Year in descending order

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24  
papers

226  
citations

1478505

6  
h-index

1872680

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g-index

24  
all docs

24  
docs citations

24  
times ranked

162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autotuning PolyBench benchmarks with LLVM Clang/Polly loop optimization pragmas using Bayesian optimization. <i>Concurrency Computation Practice and Experience</i> , 2022, 34, e6683.	2.2	9
2	Performance and Energy Improvement of ECP Proxy App SW4lite under Various Workloads. , 2021, , .		0
3	Autotuning PolyBench Benchmarks with LLVM Clang/Polly Loop Optimization Pragmas Using Bayesian Optimization. , 2020, , .		8
4	Toward an End-to-End Auto-tuning Framework in HPC PowerStack. , 2020, , .		8
5	Autotuning Search Space for Loop Transformations. , 2020, , .		4
6	Performance, Energy, and Scalability Analysis and Improvement of Parallel Cancer Deep Learning CANDLE Benchmarks. , 2019, , .		11
7	An Energy Efficient Demand-Response Model for High Performance Computing Systems. , 2017, , .		8
8	Utilizing Hardware Performance Counters to Model and Optimize the Energy and Performance of Large Scale Scientific Applications on Power-Aware Supercomputers. , 2016, , .		11
9	Using Performance-Power Modeling to Improve Energy Efficiency of HPC Applications. <i>Computer</i> , 2016, 49, 20-29.	1.1	24
10	Power and performance characteristics of CORAL Scalable Science Benchmarks on BlueGene/Q Mira. , 2015, , .		2
11	Parallel Optical Flow Processing of 4D Cardiac CT Data on Multicore Clusters. , 2014, , .		0
12	E-AMOM: an energy-aware modeling and optimization methodology for scientific applications. <i>Computer Science - Research and Development</i> , 2014, 29, 197-210.	2.7	22
13	MuMMI: Multiple Metrics Modeling Infrastructure. , 2013, , .		6
14	Performance Characteristics of Hybrid MPI/OpenMP Scientific Applications on a Large-Scale Multithreaded BlueGene/Q Supercomputer. , 2013, , .		1
15	Performance Characteristics of Hybrid MPI/OpenMP Implementations of NAS Parallel Benchmarks SP and BT on Large-Scale Multicore Clusters. <i>Computer Journal</i> , 2012, 55, 154-167.	2.4	12
16	SWAPP: A Framework for Performance Projections of HPC Applications Using Benchmarks. , 2012, , .		6
17	Power-aware predictive models of hybrid (MPI/OpenMP) scientific applications on multicore systems. <i>Computer Science - Research and Development</i> , 2012, 27, 245-253.	2.7	43
18	Performance Modeling of Hybrid MPI/OpenMP Scientific Applications on Large-scale Multicore Cluster Systems. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
19	Parallel Simulations of Dynamic Earthquake Rupture along Geometrically Complex Faults on CMP Systems. <i>Journal of Algorithms and Computational Technology</i> , 2011, 5, 313-340.	0.7	7
20	An OpenMP Approach to Modeling Dynamic Earthquake Rupture Along Geometrically Complex Faults on CMP Systems. , 2009, , .		1
21	Performance projection of HPC applications using SPEC CFP2006 benchmarks. , 2009, , .		29
22	Performance Analysis of Parallel Visualization Applications and Scientific Applications on an Optical Grid. , 2008, , .		1
23	Performance Analysis, Modeling and Prediction of a Parallel Multiblock Lattice Boltzmann Application Using Prophecy System. , 2006, , .		6
24	Utilizing ensemble learning for performance and power modeling and improvement of parallel cancer deep learning CANDLER benchmarks. <i>Concurrency Computation Practice and Experience</i> , 0, , e6516.	2.2	2