Oskar Mencer

List of Publications by Year
in descending order

13 papers	334 citations	1478505 6 h-index	1588992 8 g-index
14 all docs	14 docs citations	14 times ranked	213 citing authors

#	Article	IF	Citations
1	Moving from petaflops to petadata. Communications of the ACM, 2013, 56, 39-42.	4.5	68
2	Beyond Traditional Microprocessors for Geoscience High-Performance Computing Applications. IEEE Micro, 2011, 31, 41-49.	1.8	64
3	FPGA Designs with Optimized Logarithmic Arithmetic. IEEE Transactions on Computers, 2010, 59, 1000-1006.	3.4	34
4	Surviving the end of frequency scaling with reconfigurable dataflow computing. Computer Architecture News, 2011, 39, 60-65.	2.5	33
5	Rapid computation of value and risk for derivatives portfolios. Concurrency Computation Practice and Experience, 2012, 24, 880-894.	2.2	32
6	Maximum Performance Computing with Dataflow Engines. , 2013, , 747-774.		24
7	Finite-Difference Wave Propagation Modeling on Special-Purpose Dataflow Machines. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 906-915.	5.6	18
8	Optimizing Logarithmic Arithmetic on FPGAs. , 2007, , .		14
9	Accelerating the computation of portfolios of tranched credit derivatives. , 2010, , .		14
10	Spatial Programming with OpenSPL. , 2016, , 81-95.		11
11	Dataflow supercomputing. , 2012, , .		8
12	Dataflow Computing in Extreme Performance Conditions. Advances in Computers, 2015, 96, 105-137.	1.6	5
13	On Predictable Reconfigurable System Design. Transactions on Architecture and Code Optimization, 2021, 18, 1-28.	2.0	2