

Herman Lam

List of Publications by Year in descending order

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papers

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34
docs citations

34
times ranked

274
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable Performance Prediction of Irregular Workloads in Multi-Phase Particle-in-Cell Applications. , 2021, , .		0
2	Multi-Parameter Performance Modeling using Symbolic Regression. , 2019, , .		4
3	A real-time, power-efficient architecture for mean-shift image segmentation. Journal of Real-Time Image Processing, 2018, 14, 379-394.	3.5	23
4	Scalable Behavioral Emulation of Extreme-Scale Systems Using Structural Simulation Toolkit. , 2018, , .		11
5	An OpenCL Framework for Distributed Apps on a Multidimensional Network of FPGAs. , 2016, , .		1
6	Computational and memory analysis of Tegra SoCs. , 2016, , .		2
7	Novo-G#: Large-scale reconfigurable computing with direct and programmable interconnects. , 2016, , .		31
8	Real-time, low-latency image processing with high throughput on a multi-core SoC. , 2016, , .		1
9	NovoG#: a multidimensional torus-based reconfigurable cluster for molecular dynamics. Concurrency Computation Practice and Experience, 2016, 28, 2374-2393.	2.2	15
10	Low-level PGAS computing on many-core processors with TSHMEM. Concurrency Computation Practice and Experience, 2015, 27, 5288-5310.	2.2	0
11	CE2016: Updated computer engineering curriculum guidelines. , 2015, , .		5
12	Performance and productivity evaluation of hybrid-threading HLS versus HDLs. , 2015, , .		9
13	A multi-tiered optimization framework for heterogeneous computing. , 2014, , .		5
14	Optimization and evaluation of image- and signal-processing kernels on the TI C6678 multi-core DSP. , 2014, , .		6
15	Simulative Analysis of a Multidimensional Torus-Based Reconfigurable Cluster for Molecular Dynamics. , 2014, , .		4
16	TSHMEM: Shared-Memory Parallel Computing on Tilera Many-Core Processors. , 2013, , .		4
17	Reconfigurable computing middleware for application portability and productivity. , 2013, , .		3
18	FPGA-Accelerated Isotope Pattern Calculator for Use in Simulated Mass Spectrometry Peptide and Protein Chemistry. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
19	Novo-G: At the Forefront of Scalable Reconfigurable Supercomputing. Computing in Science and Engineering, 2011, 13, 82-86.	1.2	60
20	An End-to-End Tool Flow for FPGA-Accelerated Scientific Computing. IEEE Design and Test of Computers, 2011, 28, 68-77.	1.0	2
21	Accelerating Machine-Learning Algorithms on FPGAs using Pattern-Based Decomposition. Journal of Signal Processing Systems, 2011, 62, 43-63.	2.1	13
22	A parallel hardware architecture for information-theoretic adaptive filtering. , 2010, , .		3
23	Web Service Matching by Ontology Instance Categorization. , 2008, , .		28
24	RDF-Based Approach to Data Transform Composition. , 2008, , .		0
25	Science gateways made easy: the In-VIGO approach. Concurrency Computation Practice and Experience, 2007, 19, 905-919.	2.2	6
26	Constraint-based brokering (CBB) for publishing and discovery of web services. Electronic Commerce Research, 2007, 7, 45-67.	5.0	7
27	On automated e-business negotiations: Goal, policy, strategy, and plans of decision and action. Journal of Organizational Computing and Electronic Commerce, 2006, 16, 1-29.	1.8	11
28	DynaFlow: a dynamic inter-organisational workflow management system. International Journal of Business Process Integration and Management, 2006, 1, 101.	0.0	16
29	On Automated e-Business Negotiations: Goal, Policy, Strategy, and Plans of Decision and Action. Journal of Organizational Computing and Electronic Commerce, 2006, 13, 1-29.	1.8	16
30	Collaboration Technologies for Supporting E-Supply Chain Management. , 2005, , 299-322.		0
31	A Cost-Benefit Evaluation Server for decision support in e-business. Decision Support Systems, 2003, 36, 81-97.	5.9	16
32	An Internet-based negotiation server for e-commerce. VLDB Journal, 2001, 10, 72-90.	4.1	64
33	The design and implementation of K: a high-level knowledge-base programming language of OSAM*.KBMS. VLDB Journal, 1996, 5, 181-195.	4.1	5