Herman Lam

List of Publications by Year
in descending order

33	374	1040056 9	1125743 13
papers	citations	h-index	g-index

34	34	34	274
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Internet-based negotiation server for e-commerce. VLDB Journal, 2001, 10, 72-90.	4.1	64
2	Novo-G: At the Forefront of Scalable Reconfigurable Supercomputing. Computing in Science and Engineering, 2011, 13, 82-86.	1.2	60
3	Novo-G#: Large-scale reconfigurable computing with direct and programmable interconnects. , 2016, , .		31
4	Web Service Matching by Ontology Instance Categorization. , 2008, , .		28
5	A real-time, power-efficient architecture for mean-shift image segmentation. Journal of Real-Time Image Processing, 2018, 14, 379-394.	3.5	23
6	A Costâ€“Benefit Evaluation Server for decision support in e-business. Decision Support Systems, 2003, 36, 81-97.	5.9	16
7	DynaFlow: a dynamic inter-organisational workflow management system. International Journal of Business Process Integration and Management, 2006, 1, 101.	0.0	16
8	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
9	Novoâ€G#: a multidimensional torusâ€based reconfigurable cluster for molecular dynamics. Concurrency Computation Practice and Experience, 2016, 28, 2374-2393.	2.2	15
10	Accelerating Machine-Learning Algorithms on FPGAs using Pattern-Based Decomposition. Journal of Signal Processing Systems, 2011, 62, 43-63.	2.1	13
11	On automated eâ€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
12	Scalable Behavioral Emulation of Extreme-Scale Systems Using Structural Simulation Toolkit. , 2018, , .		11
13	Performance and productivity evaluation of hybrid-threading HLS versus HDLs. , 2015, , .		9
14	Constraint-based brokering (CBB) for publishing and discovery of web services. Electronic Commerce Research, 2007, 7, 45-67.	5.0	7
15	Science gateways made easy: the In-VIGO approach. Concurrency Computation Practice and Experience, 2007, 19, 905-919.	2.2	6
16	Optimization and evaluation of image- and signal-processing kernels on the TI C6678 multi-core DSP. , 2014, , .		6
17	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
18	A multi-tiered optimization framework for heterogeneous computing. , 2014, , .		5

#	Article	IF	Citations
19	CE2016: Updated computer engineering curriculum guidelines. , 2015, , .		5
20	TSHMEM: Shared-Memory Parallel Computing on Tilera Many-Core Processors. , 2013, , .		4
21	Simulative Analysis of a Multidimensional Torus-Based Reconfigurable Cluster for Molecular Dynamics. , 2014, , .		4
22	Multi-Parameter Performance Modeling using Symbolic Regression. , 2019, , .		4
23	A parallel hardware architecture for information-theoretic adaptive filtering. , 2010, , .		3
24	FPGA-Accelerated Isotope Pattern Calculator for Use in Simulated Mass Spectrometry Peptide and Protein Chemistry. , 2012, , .		3
25	Reconfigurable computing middleware for application portability and productivity. , 2013, , .		3
26	An End-to-End Tool Flow for FPGA-Accelerated Scientific Computing. IEEE Design and Test of Computers, 2011, 28, 68-77.	1.0	2
27	Computational and memory analysis of Tegra SoCs. , 2016, , .		2
28	An OpenCL Framework for Distributed Apps on a Multidimensional Network of FPGAs. , 2016, , .		1
29	Real-time, low-latency image processing with high throughput on a multi-core SoC. , 2016, , .		1
30	Collaboration Technologies for Supporting E-Supply Chain Management. , 2005, , 299-322.		0
31	RDF-Based Approach to Data Transform Composition. , 2008, , .		0
32	Low-level PGAS computing on many-core processors with TSHMEM. Concurrency Computation Practice and Experience, 2015, 27, 5288-5310.	2.2	0
33	Scalable Performance Prediction of Irregular Workloads in Multi-Phase Particle-in-Cell Applications. , 2021, , .		0