

Tong Geng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4140639/publications.pdf>

Version: 2024-02-01

18
papers

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1937685

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docs citations

18
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	AWB-GCN: A Graph Convolutional Network Accelerator with Runtime Workload Rebalancing. , 2020, , .		132
2	FPDeep: Acceleration and Load Balancing of CNN Training on FPGA Clusters. , 2018, , .		62
3	I-GCN: A Graph Convolutional Network Accelerator with Runtime Locality Enhancement through Islandization. , 2021, , .		45
4	LP-BNN: Ultra-low-Latency BNN Inference with Layer Parallelism. , 2019, , .		27
5	BSTC. , 2019, , .		26
6	O3BNN-R: An Out-of-Order Architecture for High-Performance and Regularized BNN Inference. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 199-213.	5.6	25
7	GhostSZ: A Transparent FPGA-Accelerated Lossy Compression Framework. , 2019, , .		15
8	O3BNN. , 2019, , .		14
9	FPDeep: Scalable Acceleration of CNN Training on Deeply-Pipelined FPGA Clusters. IEEE Transactions on Computers, 2020, , 1-1.	3.4	11
10	FPGAs in the Network and Novel Communicator Support Accelerate MPI Collectives. , 2020, , .		10
11	FP-AMG: FPGA-Based Acceleration Framework for Algebraic Multigrid Solvers. , 2020, , .		7
12	Workload Imbalance in HPC Applications: Effect on Performance of In-Network Processing. , 2021, , .		7
13	A Survey: Handling Irregularities in Neural Network Acceleration with FPGAs. , 2021, , .		7
14	Reconfigurable switches for high performance and flexible MPI collectives. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	6
15	BCNN: Binary complex neural network. Microprocessors and Microsystems, 2021, 87, 104359.	2.8	5
16	CQNN: a CGRA-based QNN Framework. , 2020, , .		3
17	Accelerating AP3M-Based Computational Astrophysics Simulations with Reconfigurable Clusters. , 2019, , .		2
18	FCsN: A FPGA-Centric SmartNIC Framework for Neural Networks. , 2022, , .		1