Panruo Wu

List of Publications by Year
in descending order

		1477746	1719596
25	441	6	7
papers	citations	h-index	g-index

26	26	26	268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recursion Brings Speedup to Out-of-Core TensorCore-based Linear Algebra Algorithms: A Case Study of Classic Gram-Schmidt QR Factorization. , 2021, , .		1
2	High Accuracy Matrix Computations on Neural Engines: A Study of QR Factorization and its Applications. , 2020, , .		8
3	TensorSVM. , 2020, , .		4
4	Basic Linear Algebra Operations on TensorCore GPU. , 2020, , .		0
5	xSVM: Scalable Distributed Kernel Support Vector Machine Training. , 2019, , .		2
6	Symmetric Indefinite Linear Solver Using OpenMP Task on Multicore Architectures. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1879-1892.	4.0	6
7	Fault Tolerant One-sided Matrix Decompositions on Heterogeneous Systems with GPUs. , 2018, , .		11
8	Work-in-Progress: Incorporating Deadline-Based Scheduling in Tasking Programming Model for Extreme-Scale Parallel Computing. , 2018, , .		2
9	The Design of Fast and Energy-Efficient Linear Solvers: On the Potential of Half-Precision Arithmetic and Iterative Refinement Techniques. Lecture Notes in Computer Science, 2018, , 586-600.	1.0	29
10	Fast Discrete Distribution Clustering Using Wasserstein Barycenter With Sparse Support. IEEE Transactions on Signal Processing, 2017, 65, 2317-2332.	3.2	44
11	Silent Data Corruption Resilient Two-sided Matrix Factorizations. , 2017, , .		16
12	Correcting soft errors online in fast fourier transform. , 2017, , .		19
13	Investigating half precision arithmetic to accelerate dense linear system solvers. , 2017, , .		37
14	Silent Data Corruption Resilient Two-sided Matrix Factorizations. ACM SIGPLAN Notices, 2017, 52, 415-427.	0.2	2
15	GreenLA: Green Linear Algebra Software for GPU-accelerated Heterogeneous Computing. , 2016, , .		3
16	New-Sum. , 2016, , .		31
17	Towards Practical Algorithm Based Fault Tolerance in Dense Linear Algebra. , 2016, , .		25
18	SDC is in the Eye of the Beholder: A Survey and Preliminary Study. , 2016, , .		10

#	Article	IF	Citations
19	Fail-Stop Failure Algorithm-Based Fault Tolerance for Cholesky Decomposition. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1323-1335.	4.0	22
20	Investigating the Interplay between Energy Efficiency and Resilience in High Performance Computing. , 2015, , .		21
21	Extending checksum-based ABFT to tolerate soft errors online in iterative methods. , 2014, , .		5
22	FT-ScaLAPACK. , 2014, , .		39
23	On-line soft error correction in matrixâ€“matrix multiplication. Journal of Computational Science, 2013, 4, 465-472.	1.5	16
24	Rethinking algorithm-based fault tolerance with a cooperative software-hardware approach. , 2013, , .		31
25	Fault tolerant matrix-matrix multiplication. , 2011, , .		28