

Xuechen Zhang

List of Publications by Year in descending order

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21
papers

270
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1684188

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21
all docs

21
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21
times ranked

206
citing authors

#	ARTICLE	IF	CITATIONS
1	NVSwap: Latency-Aware Paging using Non-Volatile Main Memory. , 2021, , .		0
2	UPS: Unified PMU-Data Storage System to Enhance T+D PMU Data Usability. IEEE Transactions on Smart Grid, 2020, 11, 739-748.	9.0	18
3	Optimizing Parallel I/O Accesses through Pattern-Directed and Layout-Aware Replication. IEEE Transactions on Computers, 2020, 69, 212-225.	3.4	6
4	NVGraph: Enforcing Crash Consistency of Evolving Network Analytics in NVMM Systems. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1255-1269.	5.6	5
5	Compiler aided checkpointing using crash-consistent data structures in NVMM systems. , 2020, , .		1
6	DeStager: feature guided in-situ data management in distributed deep memory hierarchies. Distributed and Parallel Databases, 2019, 37, 209-231.	1.6	2
7	Persistent Octrees for Parallel Mesh Refinement through Non-Volatile Byte-Addressable Memory. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 677-691.	5.6	4
8	IR+: Removing parallel I/O interference of MPI programs via data replication over heterogeneous storage devices. Parallel Computing, 2018, 76, 91-105.	2.1	4
9	Making sense of performance in in-memory computing frameworks for scientific data analysis: A case study of the spark system. Journal of Parallel and Distributed Computing, 2018, 120, 369-382.	4.1	11
10	Enforcing End-to-End I/O Policies for Scientific Workflows Using Software-Defined Storage Resource Enclaves. IEEE Transactions on Multi-Scale Computing Systems, 2018, 4, 662-675.	2.4	2
11	Approximating the k-Minimum Distance Rumor Source Detection in Online Social Networks. , 2018, , .		3
12	Large-scale adaptive mesh simulations through non-volatile byte-addressable memory. , 2017, , .		10
13	Understanding Software Platforms for In-Memory Scientific Data Analysis: A Case Study of the Spark System. , 2016, , .		1
14	WOWMON: A Machine Learning-based Profiler for Self-adaptive Instrumentation of Scientific Workflows. Procedia Computer Science, 2016, 80, 1507-1518.	2.0	7
15	FlashStager: Improving the Performance of SSD-Based Data Staging Systems via Write Redirection. , 2016, , .		2
16	Understanding issue correlations. , 2015, , .		17
17	Flexpath: Type-Based Publish/Subscribe System for Large-Scale Science Analytics. , 2014, , .		61
18	YouChoose. ACM Transactions on Storage, 2011, 7, 1-18.	2.1	5

#	ARTICLE	IF	CITATIONS
19	QoS support for end users of I/O-intensive applications using shared storage systems. , 2011, , .		33
20	IOrchestrator: Improving the Performance of Multi-node I/O Systems via Inter-Server Coordination. , 2010, , .		49
21	InterferenceRemoval. , 2010, , .		29