Guangyan Zhang

List of Publications by Year
in descending order

22 papers	422 citations	1039880 9 h-index	887953 17 g-index
22 all docs	22 docs citations	22 times ranked	398 citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Analysis of GPU-Based Convolutional Neural Networks. , 2016, , .		83
2	Re-Stream: Real-time and energy-efficient resource scheduling in big data stream computing environments. Information Sciences, 2015, 319, 92-112.	4.0	80
3	ALV: A New Data Redistribution Approach to RAID-5 Scaling. IEEE Transactions on Computers, 2010, 59, 345-357.	2.4	43
4	Boafft: Distributed Deduplication for Big Data Storage in the Cloud. IEEE Transactions on Cloud Computing, 2020, 8, 1199-1211.	3.1	34
5	Accelerate RDP RAID-6 Scaling by Reducing Disk I/Os and XOR Operations. IEEE Transactions on Computers, 2015, 64, 32-44.	2.4	33
6	Rethinking RAID-5 Data Layout for Better Scalability. IEEE Transactions on Computers, 2014, 63, 2816-2828.	2.4	29
7	FastRAQ: A Fast Approach to Range-Aggregate Queries in Big Data Environments. IEEE Transactions on Cloud Computing, 2015, 3, 206-218.	3.1	25
8	Building a fault tolerant framework with deadline guarantee in big data stream computing environments. Journal of Computer and System Sciences, 2017, 89, 4-23.	0.9	19
9	CaCo: An Efficient Cauchy Coding Approach for Cloud Storage Systems. IEEE Transactions on Computers, 2016, 65, 435-447.	2.4	14
10	Xscale: Online X-Code RAID-6 Scaling Using Lightweight Data Reorganization. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 3687-3700.	4.0	11
11	Reconsidering Single Disk Failure Recovery for Erasure Coded Storage Systems: Optimizing Load Balancing in Stack-Level. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1457-1469.	4.0	10
12	Redistribute Data to Regain Load Balance during RAID-4 Scaling. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 219-229.	4.0	9
13	Accelerating breadth-first graph search on a single server by dynamic edge trimming. Journal of Parallel and Distributed Computing, 2018, 120, 383-394.	2.7	8
14	Design and Implementation of an Out-of-Band Virtualization System for Large SANs. IEEE Transactions on Computers, 2007, 56, 1654-1665.	2.4	7
15	HyConv: Accelerating Multi-Phase CNN Computation by Fine-Grained Policy Selection. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 388-399.	4.0	5
16	Understanding a prospective approach to designing malicious social bots. Security and Communication Networks, 2016, 9, 2157-2172.	1.0	4
17	FastBFS: Fast Breadth-First Graph Search on a Single Server. , 2016, , .		4
18	Redio: Accelerating Disk-Based Graph Processing by Reducing Disk I/Os. IEEE Transactions on Computers, 2019, 68, 414-425.	2.4	2

#	ARTICLE	IF	CITATIONS
19	SmartTuning: Selecting Hyper-Parameters of a ConvNet System for Fast Training and Small Working Memory. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1690-1701.	4.0	2
20	AIP: a tool for flexible and transparent data management. Science China Information Sciences, 2013, 56, 1-11.	2.7	0
21	Data Management across Geographically-Distributed Autonomous Systems: Architecture, Implementation, and Performance Evaluation. IEEE Transactions on Industrial Informatics, 2019, , 1-1.	7.2	0
22	Short Tail: taming tail latency for erasure-code-based in-memory systems. Frontiers of Information Technology and Electronic Engineering, 0, , .	1.5	0