

Wen Xia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9141059/publications.pdf>

Version: 2024-02-01

19
papers

650
citations

1039880

9
h-index

1199470

12
g-index

20
all docs

20
docs citations

20
times ranked

330
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Study of the Past, Present, and Future of Data Deduplication. Proceedings of the IEEE, 2016, 104, 1681-1710.	16.4	200
2	AE: An Asymmetric Extremum content defined chunking algorithm for fast and bandwidth-efficient data deduplication. , 2015, , .		64
3	SecDep: A user-aware efficient fine-grained secure deduplication scheme with multi-level key management. , 2015, , .		63
4	Ddelta: A deduplication-inspired fast delta compression approach. Performance Evaluation, 2014, 79, 258-272.	0.9	58
5	The Design of Fast Content-Defined Chunking for Data Deduplication Based Storage Systems. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1717-1731.	4.0	42
6	Similarity and Locality Based Indexing for High Performance Data Deduplication. IEEE Transactions on Computers, 2015, 64, 1162-1176.	2.4	41
7	DARE: A Deduplication-Aware Resemblance Detection and Elimination Scheme for Data Reduction with Low Overheads. IEEE Transactions on Computers, 2016, 65, 1692-1705.	2.4	31
8	Reducing Fragmentation for In-line Deduplication Backup Storage via Exploiting Backup History and Cache Knowledge. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 855-868.	4.0	30
9	P-Dedupe: Exploiting Parallelism in Data Deduplication System. , 2012, , .		29
10	A Fast Asymmetric Extremum Content Defined Chunking Algorithm for Data Deduplication in Backup Storage Systems. IEEE Transactions on Computers, 2016, , 1-1.	2.4	25
11	Accelerating content-defined-chunking based data deduplication by exploiting parallelism. Future Generation Computer Systems, 2019, 98, 406-418.	4.9	25
12	Performance Optimization for Relative-Error-Bounded Lossy Compression on Scientific Data. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1665-1680.	4.0	11
13	Bandwidth and Energy Efficient Image Sharing for Situation Awareness in Disasters. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 15-28.	4.0	10
14	Odess: Speeding up Resemblance Detection for Redundancy Elimination by Fast Content-Defined Sampling. , 2021, , .		6
15	DEC: An Efficient Deduplication-Enhanced Compression Approach. , 2016, , .		4
16	Delta-DNN: Efficiently Compressing Deep Neural Networks via Exploiting Floats Similarity. , 2020, , .		4
17	NetSync: a Network Adaptive and Deduplication-Inspired Delta Synchronization Approach for Cloud Storage Services. IEEE Transactions on Parallel and Distributed Systems, 2022, , 1-1.	4.0	4
18	Accelerating Lossy Compression on HPC Datasets via Partitioning Computation for Parallel Processing. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	From Hyper-dimensional Structures to Linear Structures: Maintaining Deduplicated Data's Locality. ACM Transactions on Storage, 2022, 18, 1-28.	1.4	1