

# Wen Xia

## List of Publications by Year in descending order

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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	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
2	From Hyper-dimensional Structures to Linear Structures: Maintaining Deduplicated Data's Locality. ACM Transactions on Storage, 2022, 18, 1-28.	1.4	1
3	Odess: Speeding up Resemblance Detection for Redundancy Elimination by Fast Content-Defined Sampling. , 2021, , .		6
4	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
5	The Design of Fast Content-Defined Chunking for Data Deduplication Based Storage Systems. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2017-2031.	4.0	42
6	Delta-DNN: Efficiently Compressing Deep Neural Networks via Exploiting Floats Similarity. , 2020, , .		4
7	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
8	Accelerating content-defined-chunking based data deduplication by exploiting parallelism. Future Generation Computer Systems, 2019, 98, 406-418.	4.9	25
9	Accelerating Lossy Compression on HPC Datasets via Partitioning Computation for Parallel Processing. , 2019, , .		1
10	DEC: An Efficient Deduplication-Enhanced Compression Approach. , 2016, , .		4
11	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
12	A Comprehensive Study of the Past, Present, and Future of Data Deduplication. Proceedings of the IEEE, 2016, 104, 1681-1710.	16.4	200
13	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
14	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
15	Similarity and Locality Based Indexing for High Performance Data Deduplication. IEEE Transactions on Computers, 2015, 64, 1162-1176.	2.4	41
16	AE: An Asymmetric Extremum content defined chunking algorithm for fast and bandwidth-efficient data deduplication. , 2015, , .		64
17	SecDep: A user-aware efficient fine-grained secure deduplication scheme with multi-level key management. , 2015, , .		63
18	Ddelta: A deduplication-inspired fast delta compression approach. Performance Evaluation, 2014, 79, 258-272.	0.9	58

#	ARTICLE	IF	CITATIONS
19	P-Dedupe: Exploiting Parallelism in Data Deduplication System. , 2012, , .		29