Yongkun Li

List of Publications by Year
in descending order

24 papers	256 citations	1307594 7 h-index	1199594 12 g-index
24 all docs	24 docs citations	24 times ranked	180 citing authors

#	ARTICLE	IF	CITATIONS
1	Walking with Perception: Efficient Random Walk Sampling via Common Neighbor Awareness. , 2019, , .		25
2	I/O-Efficient Scaling Schemes for Distributed Storage Systems with CRS Codes. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2639-2652.	5.6	24
3	Workload-Aware Elastic Striping With Hot Data Identification for SSD RAID Arrays. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2017, 36, 815-828.	2.7	22
4	Stochastic Analysis on RAID Reliability for Solid-State Drives. , 2013, , .		20
5	Analysis of Reliability Dynamics of SSD RAID. IEEE Transactions on Computers, 2016, 65, 1131-1144.	3.4	19
6	Explicit Data Correlations-Directed Metadata Prefetching Method in Distributed File Systems. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2692-2705.	5.6	18
7	GFTL: Group-Level Mapping in Flash Translation Layer to Provide Efficient Address Translation for NAND Flash-Based SSDs. IEEE Transactions on Consumer Electronics, 2020, 66, 242-250.	3.6	18
8	Grouping-Based Elastic Striping with Hotness Awareness for Improving SSD RAID Performance. , 2015, , .		17
9	Deterministic Data Distribution for Efficient Recovery in Erasure-Coded Storage Systems. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2248-2262.	5.6	14
10	Elastic Parity Logging for SSD RAID Arrays. , 2016, , .		12
11	DSC: Dynamic stripe construction for asynchronous encoding in clustered file system. , 2017, , .		11
12	LCR: Load-Aware Cache Replacement Algorithm for Flash-Based SSDs. , 2018, , .		11
13	Elastic Parity Logging for SSD RAID Arrays: Design, Analysis, and Implementation. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 2241-2253.	5.6	10
14	D3: Deterministic Data Distribution for Efficient Data Reconstruction in Erasure-Coded Distributed Storage Systems. , 2019, , .		8
15	A Hierarchical RAID Architecture Towards Fast Recovery and High Reliability. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 734-747.	5.6	7
16	A Bootstrapping Approach to Optimize Random Walk Based Statistical Estimation over Graphs. , 2021, , .		6
17	Enhancing scalability in distributed storage systems with Cauchy Reed-Solomon codes. , 2014, , .		4
18	Friends or Foes: Distributed and Randomized Algorithms to Determine Dishonest Recommenders in Online Social Networks. IEEE Transactions on Information Forensics and Security, 2014, 9, 1695-1707.	6.9	3

#	Article	IF	Citations
19	Stochastic modeling and optimization of garbage collection algorithms in solid-state drive systems. Queueing Systems, 2014, 77, 115-148.	0.9	3
20	Popularity-Based Online Scaling for RAID Systems Under General Settings. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2020, 39, 2911-2924.	2.7	3
21	Optimizing Random Walk Based Statistical Estimation over Graphs via Bootstrapping. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	1
22	Boosting performance of SSD with chip-level RAID by deferring garbage collection. IEICE Electronics Express, 2018, 15, 20180407-20180407.	0.8	0
23	A Fast Approach to Scale Up Disk Arrays With Parity Declustered Data Layout by Minimizing Data Migration. IEEE Access, 2019, 7, 23967-23989.	4.2	0
24	HPUCache: Toward High Performance and Resource Utilization in Clustered Cache via Data Copying and Instance Merging. , 2022, , .		0