Youjip Won

List of Publications by Year
in descending order

70 papers	588 citations	758635 12 h-index	752256 20 g-index
74 all docs	74 docs citations	74 times ranked	411 citing authors

#	Article	IF	Citations
1	Efficient Deduplication Techniques for Modern Backup Operation. IEEE Transactions on Computers, 2011, 60, 824-840.	2.4	75
2	Smart layers and dumb result. , 2012, , .		59
3	FRASH. ACM Transactions on Storage, 2010, 6, 1-25.	1.4	47
4	HEAPO. ACM Transactions on Storage, 2015, 11, 1-21.	1.4	42
5	IO Workload Characterization Revisited: A Data-Mining Approach. IEEE Transactions on Computers, 2014, 63, 3026-3038.	2.4	28
6	On-Line Prediction of Nonstationary Variable-Bit-Rate Video Traffic. IEEE Transactions on Signal Processing, 2010, 58, 1219-1237.	3.2	27
7	Embedded NAND flash file system for mobile multimedia devices. IEEE Transactions on Consumer Electronics, 2009, 55, 545-552.	3.0	19
8	${cal SMDP}$: minimizing buffer requirements for continuous media servers. Multimedia Systems, 2000, 8, 105-117.	3.0	18
9	Strategic Replication of Video Files in a Distributed Environment. Multimedia Tools and Applications, 1999, 8, 249-283.	2.6	17
10	Synthesis of polyquinoline ether and its optical sensor property in the presence of metal cations. Journal of Polymer Science Part A, 2002, 40, 1831-1837.	2.5	15
11	Extract and infer quickly. ACM Transactions on Storage, 2010, 6, 1-26.	1.4	15
12	Energy-aware disk scheduling for soft real-time I/O requests. Multimedia Systems, 2008, 13, 409-428.	3.0	14
13	Framework for Analyzing Android I/O Stack Behavior: From Generating the Workload to Analyzing the Trace. Future Internet, 2013, 5, 591-610.	2.4	13
14	Efficient index lookup for De-duplication backup system. , 2008, , .		12
15	PRUN : Eliminating Information Redundancy for Large Scale Data Backup System. , 2008, , .		12
16	MUCH: Multithreaded Content-Based File Chunking. IEEE Transactions on Computers, 2015, 64, 1375-1388.	2.4	12
17	GOP ARIMA: Modeling the nonstationarity of VBR processes. Multimedia Systems, 2005, 10, 359-378.	3.0	11
18	Intelligent storage. ACM Transactions on Storage, 2006, 2, 255-282.	1.4	11

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19	DIG: Rapid Characterization of Modern Hard Disk Drive and Its Performance Implication. , 2008, , .		11
20	Significance-Aware Channel Power Allocation for Wireless Multimedia Streaming. IEEE Transactions on Vehicular Technology, 2010, 59, 2861-2873.	3.9	11
21	Exploiting Compression-Induced Internal Fragmentation for Power-Off Recovery in SSD. IEEE Transactions on Computers, 2016, 65, 1720-1733.	2.4	11
22	NVWAL. ACM SIGPLAN Notices, 2016, 51, 385-398.	0.2	9
23	Multithread Content Based File Chunking System in CPU-GPGPU Heterogeneous Architecture. , 2011, , .		8
24	Design for high throughput SHA-1 hash function on FPGA. , 2012, , .		7
25	Bootless Boot: Reducing Device Boot Latency with Byte Addressable NVRAM. , 2013, , .		7
26	Handling sporadic tasks in multimedia file system. , 2000, , .		6
27	<monospace>nvramdisk</monospace>: A Transactional Block Device Driver for Non-Volatile RAM. IEEE Transactions on Computers, 2016, 65, 589-600.	2.4	6
28	IO workload characterization of Tizen based consumer electronics. , 2014, , .		5
29	Empirical Study of VBR Traffic Smoothing in Wireless Environment. Lecture Notes in Computer Science, 2002, , 193-204.	1.0	5
30	Performance Impact of Uncached File Accesses in SPECweb99. , 2000, , 87-104.		5
31	Harmonic placement. , 2006, , .		4
32	Incorporating packet semantics in scheduling of real-time multimedia streaming. Multimedia Tools and Applications, 2010, 46, 463-492.	2.6	4
33	Selective Segment Initialization: Exploiting NVRAM to Reduce Device Startup Latency. IEEE Embedded Systems Letters, 2014, 6, 33-36.	1.3	4
34	HERMES: embedded file system design for A/V application. Multimedia Tools and Applications, 2008, 39, 73-100.	2.6	3
35	Parallelizing SHA-1. IEICE Electronics Express, 2015, 12, 20150371-20150371.	0.3	3
36	ABM: Looping Reference-Aware Cache Management Scheme for Media-on-Demand Server. Lecture Notes in Computer Science, 2002, , 484-500.	1.0	3

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37	A hybrid buffer cache management scheme for VOD server. , 0, , .		2
38	On the multi-scale behavior of packet size distribution in Internet backbone network. , 2008, , .		2
39	Hard Disk Drive for HD Quality Multimedia Home Appliance. , 2008, , .		2
40	Booting Linux faster. , 2012, , .		2
41	Dynamic load balancing for efficient video streaming service. , 2015, , .		2
42	LASER: Latency-Aware Segment Relocation for non-volatile memory. Journal of Systems Architecture, 2015, 61, 361-373.	2.5	2
43	Correction to "Server capacity planning for web traffic workload". IEEE Transactions on Knowledge and Data Engineering, 2000, 12, 141-141.	4.0	1
44	Analysis and Modeling of Wireless LAN. , 2006, , .		1
45	SAPS: Significance-Aware Packet Scheduling for Real-Time Streaming of Layer Encoded Video. , 2008, , .		1
46	Storage technique for real-time streaming of layered video. Multimedia Systems, 2009, 15, 63-81.	3.0	1
47	A Pruning-Based Disk Scheduling Algorithm for Heterogeneous I/O Workloads. Scientific World Journal, The, 2014, 2014, 1-17.	0.8	1
48	Improving I/O Performance in Smart TVs. , 2014, , .		1
49	Comparative study on I/O characteristics of mobile web browsers. , 2015, , .		1
50	Effect of timer interrupt interval on file system synchronization overhead. , 2016, , .		1
51	Copy-on-Write with Adaptive Differential Logging for Persistent Memory. IEICE Transactions on Information and Systems, 2019, E102.D, 2451-2460.	0.4	1
52	Designing low cost embedded system for multimedia data processing: Linux based micro kernel approach. , 0, , .		0
53	Zikimi: A Case Study in Micro Kernel Design for Multimedia Applications. Multimedia Tools and Applications, 2005, 27, 351-366.	2.6	0
54	Harmonic data placement: file system support for scalable streaming. IEEE Transactions on Consumer Electronics, 2006, 52, 811-818.	3.0	0

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55	Adaptive cycle management in soft real-time disk retrieval. Information Systems, 2006, 31, 832-848.	2.4	0
56	Harmonic Data Placement: File System Support for Scalable Streaming. , 0, , .		0
57	Inter-Object Layer Clustering for scalable video streaming. Multimedia Tools and Applications, 2010, 50, 313-333.	2.6	0
58	Mining based file caching in hybrid system. , 2010, , .		0
59	Dynamic File System Migration for Energy Efficient Storage Management. , 2010, , .		0
60	Performance analysis of SSD/HDD hybrid storage manager. , 2011, , .		0
61	Relieving the burden of track switch in modern hard disk drives. Multimedia Systems, 2011, 17, 219-235.	3.0	0
62	Modeling IO latency of SSDS. , 2014, , .		0
63	An Analysis on Empirical Performance of SSD-Based RAID. , 2014, , 395-405.		0
64	Dumb design, dumber usage of mobile database. , 2015, , .		0
65	Power Consumption Signature: Characterizing an SSD. IEICE Transactions on Information and Systems, 2016, E99.D, 1796-1809.	0.4	0
66	Program code regeneration method for non-volatile memory platform. , 2016, , .		0
67	Automatic code conversion for non-volatile memory. , 2018, , .		0
68	Power Conscious Disk Scheduling for Multimedia Data Retrieval. Lecture Notes in Computer Science, 2002, , 336-345.	1.0	0
69	Adaptive Cycle Extension in Multimedia Document Retrieval. Lecture Notes in Computer Science, 2002, , 391-405.	1.0	0
70	Power Constraints: Another Dimension of Complexity in Continuous Media Playback. Lecture Notes in Computer Science, 2002, , 288-299.	1.0	0