Alexander Thomasian

List of Publications by Year
in descending order

51 papers	536 citations
758635 12 h-index	713013 21 g-index
51 all docs	51 docs citations
51 times ranked	161 citing authors

#	Article	IF	Citations
1	Database parallelism, big data and analytics, deep learning. , 2022, , 385-491.		1
2	Redundant Arrays of Independent Disks - RAID. , 2022, , 269-336.		0
3	Hierarchical RAID - HRAID. , 2022, , 593-621.		0
4	Heterogeneous Disk Arrays - HDAs. , 2022, , 565-591.		0
5	Mirrored & hybrid arrays. , 2022, , 223-267.		0
6	Mirrored and hybrid disk arrays and their reliability. Cluster Computing, 2019, 22, 2485-2494.	3.5	0
7	Vacationing server model for M/G/1 queues for rebuild processing in RAID5 and threshold scheduling for readers and writers. Information Processing Letters, 2018, 135, 41-46.	0.4	6
8	Dimensionality Reduction Techniques for Nearest-Neighbor Computations. , 2018, , 1108-1115.		0
9	Dimensionality Reduction Techniques for Nearest-Neighbor Computations. , 2017, , 1-8.		0
10	Analysis of Fork/Join and Related Queueing Systems. ACM Computing Surveys, 2015, 47, 1-71.	16.1	51
11	Balancing disk access times in RAID5 disk arrays in degraded mode by conditionally prioritizing fork/join requests. Computer Architecture News, 2014, 42, 15-19.	2.5	1
12	Performance Evaluation of Computer Systems. , 2014, , 1-50.		1
13	Storage Systems*. , 2014, , 1-42.		0
14	Disk arrays with multiple RAID levels. Computer Architecture News, 2013, 41, 6-24.	2.5	3
15	Rebuild processing in RAID5 with emphasis on the supplementary parity augmentation method[37]. Computer Architecture News, 2012, 40, 18-27.	2.5	3
16	Performance, reliability, and performability of a hybrid RAID array and a comparison with traditional RAID1 arrays. Cluster Computing, 2012, 15, 239-253.	3.5	12
17	Hierarchical RAID: Design, performance, reliability, and recovery. Journal of Parallel and Distributed Computing, 2012, 72, 1753-1769.	2.7	7
18	Data Allocation in Heterogeneous Disk Arrays. , 2011, , .		3

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19	Performance, Reliability, and Performability Aspects of Hierarchical RAID. , 2011, , .		3
20	RAID level selection for heterogeneous disk arrays. Cluster Computing, 2011, 14, 115-127.	3.5	10
21	X-code double parity array operation with two disk failures. Information Processing Letters, 2011, 111, 568-574.	0.4	4
22	Survey and analysis of disk scheduling methods. Computer Architecture News, 2011, 39, 8-25.	2.5	20
23	Why specialized disks for composite operations may be unnecessary. Computer Architecture News, 2010, 38, 20-27.	2.5	3
24	Storage research in industry and universities. Computer Architecture News, 2010, 38, 1-48.	2.5	4
25	Higher reliability redundant disk arrays. ACM Transactions on Storage, 2009, 5, 1-59.	1.4	51
26	Persistent clustered main memory index for accelerating k-NN queries on high dimensional datasets. Multimedia Tools and Applications, 2008, 38, 253-270.	2.6	8
27	Optimal subspace dimensionality for k-nearest-neighbor queries on clustered and dimensionality reduced datasets with SVD. Multimedia Tools and Applications, 2008, 40, 241-259.	2.6	8
28	Analysis of Rebuild Processing in RAID5 Disk Arrays. Computer Journal, 2007, 50, 217-231.	1.5	16
29	Performance of Two-Disk Failure-Tolerant Disk Arrays. IEEE Transactions on Computers, 2007, 56, 799-814.	2.4	43
30	Cost Analysis of the X-code Double Parity Array. , 2007, , .		4
31	Multi-level RAID for very large disk arrays. Performance Evaluation Review, 2006, 33, 17-22.	0.4	22
32	Optimization of online disk scheduling algorithms. Performance Evaluation Review, 2006, 33, 42-46.	0.4	3
33	Shortcut method for reliability comparisons in RAID. Journal of Systems and Software, 2006, 79, 1599-1605.	3.3	19
34	Mirrored disk rouing and scheduling. Cluster Computing, 2006, 9, 475-484.	3.5	12
35	Reconstruct versus read-modify writes in RAID. Information Processing Letters, 2005, 93, 163-168.	0.4	31
36	Exact k-NN queries on clustered SVD datasets. Information Processing Letters, 2005, 94, 247-252.	0.4	6

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37	Clustered RAID Arrays and Their Access Costs. Computer Journal, 2005, 48, 702-713.	1.5	24
38	A fair workload allocation policy for heterogeneous systems. Journal of Parallel and Distributed Computing, 2004, 64, 507-519.	2.7	8
39	Some new disk scheduling policies and their performance. , 2002, , .		9
40	Some new disk scheduling policies and their performance. Performance Evaluation Review, 2002, 30, 266-267.	0.4	2
41	Disk scheduling policies with lookahead. Performance Evaluation Review, 2002, 30, 31-40.	0.4	19
42	A multithreshold scheduling policy for readers and writers. Information Sciences, 1998, 104, 157-180.	4.0	3
43	Performance analysis of locking methods with limited wait depth. Performance Evaluation, 1998, 34, 69-89.	0.9	9
44	Clustering and singular value decomposition for approximate indexing in high dimensional spaces. , 1998, , .		26
45	A more realistic locking model and its analysis. Information Systems, 1996, 21, 409-430.	2.4	9
46	Centralized concurrency control methods for high-end TP. SIGMOD Record, 1991, 20, 106-115.	0.7	12
47	Performance comparison of IO shipping and database call shipping: Schemes in multisystem partitioned databases. Performance Evaluation, 1989, 10, 15-33.	0.9	16
48	Performance analysis of centralized databases with optimistic concurrency control. Performance Evaluation, 1987, 7, 195-211.	0.9	33
49	Analysis of some optimistic concurrency control schemes based on certification. Performance Evaluation Review, 1985, 13, 192-203.	0.4	9
50	Speeding up computer system simulations using hierarchical modeling. Performance Evaluation Review, 1984, 12, 34-39.	0.4	2
51	Aggregation of stations in queueing network models of multiprogrammed computers. Performance Evaluation Review, 1981, 10, 86-104.	0.4	0