

Xiaoning Ding

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

911
citations

933264

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all docs

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41
times ranked

606
citing authors

#	ARTICLE	IF	CITATIONS
1	Virtualization Overhead of Multithreading in X86 State-of-the-Art & Remaining Challenges. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2557-2570.	4.0	6
2	Paratick: Reducing Timer Overhead in Virtual Machines. , 2021, , .		2
3	Diagnosing the Interference on CPU-GPU Synchronization Caused by CPU Sharing in Multi-Tenant GPU Clouds. , 2021, , .		3
4	Design and Implementation of an Overlay File System for Cloud-Assisted Mobile Apps. IEEE Transactions on Cloud Computing, 2020, 8, 97-111.	3.1	8
5	Dynamic Interior Point Method for Vehicular Traffic Optimization. IEEE Transactions on Vehicular Technology, 2020, 69, 4855-4868.	3.9	9
6	MEFS: Mobile Edge File System for Edge-Assisted Mobile Apps. , 2019, , .		3
7	The Moitree middleware for distributed mobile-cloud computing. Journal of Systems and Software, 2019, 157, 110387.	3.3	2
8	Context-Aware File Discovery System for Distributed Mobile-Cloud Apps. , 2018, , .		0
9	Sentio: Distributed Sensor Virtualization for Mobile Apps. , 2018, , .		3
10	Collaborative Offloading for Distributed Mobile-Cloud Apps. , 2018, , .		7
11	APPLES: Efficiently Handling Spin-lock Synchronization on Virtualized Platforms. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1811-1824.	4.0	5
12	Cooperative system for free parking assignment. , 2017, , .		3
13	Rethinking Multicore Application Scalability on Big Virtual Machines. , 2017, , .		1
14	An Overlay File System for cloud-assisted mobile applications. , 2016, , .		2
15	P2F2: Privacy-preserving face finder. , 2016, , .		0
16	BCC. Proceedings of the VLDB Endowment, 2016, 9, 504-515.	2.1	33
17	Moitree: A Middleware for Cloud-Assisted Mobile Distributed Apps. , 2016, , .		15
18	A General Approach to Scalable Buffer Pool Management. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2182-2195.	4.0	4

#	ARTICLE	IF	CITATIONS
19	APLE: Addressing Lock Holder Preemption Problem with High Efficiency. , 2015, , .		1
20	Diagnosing Virtualization Overhead for Multi-threaded Computation on Multicore Platforms. , 2015, , .		6
21	Hetero-DB: Next Generation High-Performance Database Systems by Best Utilizing Heterogeneous Computing and Storage Resources. Journal of Computer Science and Technology, 2015, 30, 657-678.	0.9	5
22	Avatar: Mobile Distributed Computing in the Cloud. , 2015, , .		26
23	Concurrent analytical query processing with GPUs. Proceedings of the VLDB Endowment, 2014, 7, 1011-1022.	2.1	53
24	GDM. Performance Evaluation Review, 2014, 42, 533-545.	0.4	15
25	A Prefetching Scheme Exploiting both Data Layout and Access History on Disk. ACM Transactions on Storage, 2013, 9, 1-23.	1.4	15
26	ULCC. ACM SIGPLAN Notices, 2011, 46, 103-112.	0.2	5
27	SRM-buffer. , 2011, , .		27
28	Exploiting Disk Layout and Block Access History for I/O Prefetch. , 2010, , 201-217.		1
29	Enabling software management for multicore caches with a lightweight hardware support. , 2009, , .		34
30	MCC-DB. Proceedings of the VLDB Endowment, 2009, 2, 373-384.	2.1	31
31	BP-Wrapper: A System Framework Making Any Replacement Algorithms (Almost) Lock Contention Free. Proceedings - International Conference on Data Engineering, 2009, , .	0.0	7
32	Soft-OLP: Improving Hardware Cache Performance through Software-Controlled Object-Level Partitioning. , 2009, , .		47
33	Gaining insights into multicore cache partitioning: Bridging the gap between simulation and real systems. High Performance Computer Architecture (HPCA), Proceedings of the IEEE International Symposium on, 2008, , .	0.0	76
34	An Evaluation of OpenMP on Current and Emerging Multithreaded/Multicore Processors. Lecture Notes in Computer Science, 2008, , 133-144.	1.0	19
35	A buffer cache management scheme exploiting both temporal and spatial localities. ACM Transactions on Storage, 2007, 3, 5.	1.4	22
36	A performance study of BitTorrent-like peer-to-peer systems. IEEE Journal on Selected Areas in Communications, 2007, 25, 155-169.	9.7	116

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37	Cooperative Relay Service in a Wireless LAN. IEEE Journal on Selected Areas in Communications, 2007, 25, 355-368.	9.7	39
38	Multigrain parallel Delaunay Mesh generation. , 2005, , .		17
39	Measurements, analysis, and modeling of BitTorrent-like systems. , 2005, , .		216
40	A Locality-Aware Cooperative Cache Management Protocol to Improve Network File System Performance. , 0, , .		27
41	MESA: reducing cache conflicts by integrating static and run-time methods. , 0, , .		0