

# Xiaoning Ding

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

911  
citations

933264

10  
h-index

794469

19  
g-index

41  
all docs

41  
docs citations

41  
times ranked

606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurements, analysis, and modeling of BitTorrent-like systems. , 2005, , .		216
2	A performance study of BitTorrent-like peer-to-peer systems. IEEE Journal on Selected Areas in Communications, 2007, 25, 155-169.	9.7	116
3	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
4	Concurrent analytical query processing with GPUs. Proceedings of the VLDB Endowment, 2014, 7, 1011-1022.	2.1	53
5	Soft-OLP: Improving Hardware Cache Performance through Software-Controlled Object-Level Partitioning. , 2009, , .		47
6	Cooperative Relay Service in a Wireless LAN. IEEE Journal on Selected Areas in Communications, 2007, 25, 355-368.	9.7	39
7	Enabling software management for multicore caches with a lightweight hardware support. , 2009, , .		34
8	BCC. Proceedings of the VLDB Endowment, 2016, 9, 504-515.	2.1	33
9	MCC-DB. Proceedings of the VLDB Endowment, 2009, 2, 373-384.	2.1	31
10	A Locality-Aware Cooperative Cache Management Protocol to Improve Network File System Performance. , 0, , .		27
11	SRM-buffer. , 2011, , .		27
12	Avatar: Mobile Distributed Computing in the Cloud. , 2015, , .		26
13	A buffer cache management scheme exploiting both temporal and spatial localities. ACM Transactions on Storage, 2007, 3, 5.	1.4	22
14	An Evaluation of OpenMP on Current and Emerging Multithreaded/Multicore Processors. Lecture Notes in Computer Science, 2008, , 133-144.	1.0	19
15	Multigrain parallel Delaunay Mesh generation. , 2005, , .		17
16	A Prefetching Scheme Exploiting both Data Layout and Access History on Disk. ACM Transactions on Storage, 2013, 9, 1-23.	1.4	15
17	Moitree: A Middleware for Cloud-Assisted Mobile Distributed Apps. , 2016, , .		15
18	GDM. Performance Evaluation Review, 2014, 42, 533-545.	0.4	15

#	ARTICLE	IF	CITATIONS
19	Dynamic Interior Point Method for Vehicular Traffic Optimization. IEEE Transactions on Vehicular Technology, 2020, 69, 4855-4868.	3.9	9
20	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
21	BP-Wrapper: A System Framework Making Any Replacement Algorithms (Almost) Lock Contention Free. Proceedings - International Conference on Data Engineering, 2009, , .	0.0	7
22	Collaborative Offloading for Distributed Mobile-Cloud Apps. , 2018, , .		7
23	Diagnosing Virtualization Overhead for Multi-threaded Computation on Multicore Platforms. , 2015, , .		6
24	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
25	ULCC. ACM SIGPLAN Notices, 2011, 46, 103-112.	0.2	5
26	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
27	APPLES: Efficiently Handling Spin-lock Synchronization on Virtualized Platforms. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1811-1824.	4.0	5
28	A General Approach to Scalable Buffer Pool Management. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2182-2195.	4.0	4
29	Cooperative system for free parking assignment. , 2017, , .		3
30	Sentio: Distributed Sensor Virtualization for Mobile Apps. , 2018, , .		3
31	MEFS: Mobile Edge File System for Edge-Assisted Mobile Apps. , 2019, , .		3
32	Diagnosing the Interference on CPU-GPU Synchronization Caused by CPU Sharing in Multi-Tenant GPU Clouds. , 2021, , .		3
33	An Overlay File System for cloud-assisted mobile applications. , 2016, , .		2
34	The Moitree middleware for distributed mobile-cloud computing. Journal of Systems and Software, 2019, 157, 110387.	3.3	2
35	Paratick: Reducing Timer Overhead in Virtual Machines. , 2021, , .		2
36	APLE: Addressing Lock Holder Preemption Problem with High Efficiency. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Rethinking Multicore Application Scalability on Big Virtual Machines. , 2017, , .		1
38	Exploiting Disk Layout and Block Access History for I/O Prefetch. , 2010, , 201-217.		1
39	MESA: reducing cache conflicts by integrating static and run-time methods. , 0, , .		0
40	P2F2: Privacy-preserving face finder. , 2016, , .		0
41	Context-Aware File Discovery System for Distributed Mobile-Cloud Apps. , 2018, , .		0