

Limin Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

415
citations

1477746

6
h-index

1372195

10
g-index

77
all docs

77
docs citations

77
times ranked

313
citing authors

#	ARTICLE	IF	CITATIONS
1	A Load Balancing Strategy of SDN Controller Based on Distributed Decision. , 2014, , .		77
2	Adaptive Management of Virtualized Resources in Cloud Computing Using Feedback Control. , 2009, , .		49
3	An Efficient Density-Based Local Outlier Detection Approach for Scattered Data. IEEE Access, 2019, 7, 1006-1020.	2.6	25
4	A statistical based resource allocation scheme in cloud. , 2011, , .		23
5	Mvmotion: a metadata based virtual machine migration in cloud. Cluster Computing, 2014, 17, 441-452.	3.5	20
6	A VM-based Resource Management Method Using Statistics. , 2012, , .		15
7	Parallelizing Dynamic Time Warping Algorithm Using Prefix Computations on GPU. , 2013, , .		14
8	Delay optimization for ternary fixed polarity Reed-Muller circuits based on multilevel adaptive quantum genetic algorithm. International Journal of Intelligent Systems, 2021, 36, 5981-6006.	3.3	10
9	High availability for Non-stop network controller. , 2014, , .		9
10	GPU accelerated sparse matrix-vector multiplication and sparse matrix-transpose vector multiplication. Concurrency Computation Practice and Experience, 2015, 27, 3771-3789.	1.4	9
11	Parallel Algorithms for Cryptosystem on Conic Curves over Finite Field F_p . , 2010, , .		8
12	Small Files Problem in Parallel File System. , 2011, , .		8
13	CEFLS: A Cost-Effective File Lookup Service in a Distributed Metadata File System. , 2012, , .		8
14	Probabilistic Modeling during Power Estimation for Mixed Polarity Reed-Muller Logic Circuits. , 2013, , .		8
15	VM-based Architecture for Network Monitoring and Analysis. , 2008, , .		7
16	Self-Acting Load Balancing with Parallel Sub File Migration for Parallel File System. , 2010, , .		7
17	Parallel Point-Addition and Point-Double for Cryptosystem on Conic Curves over Ring Z_n . , 2010, , .		6
18	Arithmetic Computation Using Self-Assembly of DNA Tiles: Modular-Square over Finite Field $GF(2^n)$. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
19	Parallel molecular computation of modular-multiplication with two same inputs over finite field $GF(2^n)$ using self-assembly of DNA tiles. Computational Biology and Chemistry, 2014, 50, 82-87.	1.1	6
20	Fast Minimization of Fixed Polarity Reed-Muller Expressions. IEEE Access, 2019, 7, 24843-24851.	2.6	6
21	A Polarity Optimization Algorithm Taking Into Account Polarity Conversion Sequence. IEEE Access, 2019, 7, 54809-54818.	2.6	5
22	DVMM: A Distributed VMM for Supporting Single System Image on Clusters. , 2008, , .		4
23	Parallel Point-Multiplication for Conic Curves Cryptosystem. , 2010, , .		4
24	Parallel molecular computation of modular-multiplication based on tile assembly model. , 2013, , .		4
25	Atomic reduction based sparse matrix-transpose vector multiplication on GPUs. , 2014, , .		4
26	Arithmetic computation in the tile assembly model: Inversion over finite field $GF(2^n)$. , 2014, , .		4
27	An Improved Molecular Computing Model of Modular-Multiplication over Finite Field $GF(2^n)$. , 2016, , .		4
28	Erasur-Coded Multi-Block Updates Based on Hybrid Writes and Common XORs First. , 2021, , .		4
29	An Efficient Power Optimization Approach for Fixed Polarity Reed-Muller Logic Circuits Based on Metaheuristic Optimization Algorithm. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 5380-5393.	1.9	4
30	Implementation of virtual time system for the distributed virtual machine monitor. , 2009, , .		3
31	High Performance Implementation of ARIA Encryption Algorithm on Graphics Processing Units. , 2013, , .		3
32	A GPU-Accelerated Large-Scale Music Similarity Retrieval Method. , 2013, , .		3
33	Flow entries installation based on distributed SDN controller. , 2015, , .		3
34	Optimization of best polarity searching for mixed polarity reed-muller logic circuit. , 2015, , .		3
35	LPMS. , 2019, , .		3
36	Perspective, Survey and Trends: Public Driving Datasets and Toolsets for Autonomous Driving Virtual Test. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
37	Evaluating performance variations cross cloud data centres using multiview comparative workload traces analysis. Connection Science, 2022, 34, 1582-1608.	1.8	3
38	NEX: Virtual Machine Monitor Level Single System Support in Xen. , 2009, , .		2
39	A Parallel Workload Model and its Implications for Maui Scheduling Policies. , 2010, , .		2
40	Energy Aware Scheduling for Precedence Constrained Parallel Tasks in a Power-Scalable Cluster. , 2013, , .		2
41	A Two-level Audio Fingerprint Retrieval Algorithm for Advertisement Audio. , 2014, , .		2
42	Energy-saving analysis of Cloud workload based on K-means clustering. , 2014, , .		2
43	A Molecular Computation Model to Compute Inversion over Finite Field GF(2n). , 2016, , .		2
44	Deeper Monocular Depth Prediction via Long and Short Skip Connection. , 2019, , .		2
45	A Chip-Level Optical Interconnect for CPU. IEEE Photonics Technology Letters, 2021, 33, 852-855.	1.3	2
46	POAâ€œFPRMs: Power Optimization Approach of Fixed Polarity Reedâ€œMuller Expressions for Incompletely Specified Boolean Functions. Chinese Journal of Electronics, 2019, 28, 1144-1151.	0.7	2
47	Cloud Workload Turning Points Prediction via Cloud Feature-Enhanced Deep Learning. IEEE Transactions on Cloud Computing, 2023, 11, 1719-1732.	3.1	2
48	Providing Virtualization-Based Single System Image on Clusters. , 2008, , .		1
49	A Novel Hardware-Assisted Virtualization Approach for Network Interface Card. , 2009, , .		1
50	A Mechanism Based on Netfilter for Live TCP Migration in Cluster. , 2010, , .		1
51	Exploring Storage Optimizations to Accelerate Parallel Out-of-Core Matrix Product. , 2011, , .		1
52	GPU Acceleration of Melody Accurate Matching in Query-by-Humming. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	1
53	A Heuristic Adaptive Threshold Algorithm on IaaS Clouds. , 2015, , .		1
54	Polarity Searching for MPRM Logic Circuit Based on Improved Adaptive Genetic Algorithm. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
55	VM resource constraints based on hierarchy for OpenStack. , 2016, , .		1
56	An VM Scheduling Strategy Based on Hierarchy and Load for OpenStack. , 2016, , .		1
57	A Secure and VM-supervising VDI System Based on OpenStack. , 2016, , .		1
58	LogGOPSC: A Parallel Computation Model Extending Network Contention into LogGOPS. , 2019, , .		1
59	Arithmetic Computation Using Self-Assembly of DNA Tiles: Point-Addition on Conic Curves over Finite Field $GF(2^n)$. , 2019, , .		1
60	A Chip-level Optical Interconnect for CPU. , 2020, , .		1
61	A Communication Mechanism in DVMM. , 2009, , .		0
62	Load-balanced data aggregation tree construction for large scale cluster monitoring system. , 2010, , .		0
63	Design and Implementation of an Efficient Communication Protocol Based on Hyper Transport. , 2010, , .		0
64	An integrated resource allocation algorithm for CPU intensive and I/O intensive jobs in multi-core cluster. , 2010, , .		0
65	SLA_Driven Adaptive Resource Allocation for Virtualized Servers. IEICE Transactions on Information and Systems, 2012, E95.D, 2833-2843.	0.4	0
66	Memory Pre-synchronization Technology for Application Migration. , 2012, , .		0
67	A Novel Online Measure of Cache Utility Efficiency in Chip Multiprocessor. , 2012, , .		0
68	A KCCA-based Approach for Performance Modeling of Web Application in Clouds. , 2013, , .		0
69	Iterative Threshold Selection for TOA Estimation of IR-UWB System. , 2013, , .		0
70	Performance Optimization for Sparse $A^T A$ in Parallel on Multicore CPU. IEICE Transactions on Information and Systems, 2014, E97.D, 315-318.	0.4	0
71	Optimization of Index-Based Method of Metadata Search for Large-Scale File Systems. , 2017, , .		0
72	Throughput Servicing Time Allocation of Hybrid Storage System Based on Client Grouping Mechanism. Chinese Journal of Electronics, 2019, 28, 62-70.	0.7	0

#	ARTICLE	IF	CITATIONS
73	Parallel Computation of Division over GF(2 ⁿ) Covering Divide-by-Zero Based on Tile Assembly Model. , 2019, , .		0
74	Parallelization of Dynamic Time Warping on a Heterogeneous Platform. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 2258-2262.	0.2	0
75	Dynamic Throughput Allocation among Multiple Servers for Heterogeneous Storage System. IEICE Transactions on Information and Systems, 2019, E102.D, 1731-1739.	0.4	0
76	Diagnosing Evolution of Cloud Cluster via Spatio-temporal Trace Analysis. Journal of Circuits, Systems and Computers, 0, , .	1.0	0
77	Global virtual data space for unified data access across supercomputing centers. IEEE Transactions on Cloud Computing, 2022, , 1-1.	3.1	0