

Fang Dong

List of Publications by Year in descending order

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75
papers

692
citations

687220

13
h-index

752573

20
g-index

76
all docs

76
docs citations

76
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic modeling of dynamic right-sizing for energy-efficiency in cloud data centers. Future Generation Computer Systems, 2015, 48, 82-95.	4.9	34
2	A context-aware personalized resource recommendation for pervasive learning. Cluster Computing, 2010, 13, 213-239.	3.5	33
3	Optimizing data placement in heterogeneous Hadoop clusters. Cluster Computing, 2015, 18, 1465-1480.	3.5	33
4	Prevalence of drug resistant Mycobacterium tuberculosis among children in China. Tuberculosis, 2015, 95, 315-320.	0.8	28
5	S-MAC: Achieving High Scalability via Adaptive Scheduling in LPWAN. , 2020, , .		28
6	Elastic resource provisioning for scientific workflow scheduling in cloud under budget and deadline constraints. Cluster Computing, 2016, 19, 167-182.	3.5	24
7	Towards Massive Data and Sparse Data in Adaptive Micro Open Educational Resource Recommendation: A Study on Semantic Knowledge Base Construction and Cold Start Problem. Sustainability, 2017, 9, 898.	1.6	23
8	Cost and Time Aware Ant Colony Algorithm for Data Replica in Alpha Magnetic Spectrometer Experiment. , 2013, , .		22
9	A rechargeable molecular solar thermal system below 0 °C. Chemical Science, 2022, 13, 6950-6958.	3.7	21
10	Utility of Novel Plasma Metabolic Markers in the Diagnosis of Pediatric Tuberculosis: A Classification and Regression Tree Analysis Approach. Journal of Proteome Research, 2016, 15, 3118-3125.	1.8	20
11	Towards a fast and secure design for enterprise-oriented cloud storage systems. Concurrency Computation Practice and Experience, 2017, 29, e4177.	1.4	20
12	Entropy-based denial-of-service attack detection in cloud data center. Concurrency Computation Practice and Experience, 2015, 27, 5623-5639.	1.4	19
13	An Improved Genetic Algorithm for Cost-Effective Data-Intensive Service Composition. , 2013, , .		18
14	A budget and deadline aware scientific workflow resource provisioning and scheduling mechanism for cloud. , 2014, , .		17
15	Ensemble Machine Learning Systems for the Estimation of Steel Quality Control. , 2018, , .		17
16	ADDA: Adaptive Distributed DNN Inference Acceleration in Edge Computing Environment. , 2019, , .		17
17	OL-EUA: Online User Allocation for NOMA-Based Mobile Edge Computing. IEEE Transactions on Mobile Computing, 2023, 22, 2295-2306.	3.9	17
18	Multi-exit DNN Inference Acceleration based on Multi-Dimensional Optimization for Edge Intelligence. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	16

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19	A Five-year Surveillance of Carbapenemase-producing <i>Klebsiella pneumoniae</i> in a Pediatric Hospital in China Reveals Increased Predominance of NDM-1. <i>Biomedical and Environmental Sciences</i> , 2017, 30, 562-569.	0.2	15
20	Partition-Based Online Aggregation with Shared Sampling in the Cloud. <i>Journal of Computer Science and Technology</i> , 2013, 28, 989-1011.	0.9	13
21	Fast multi-resource allocation with patterns in large scale cloud data center. <i>Journal of Computational Science</i> , 2018, 26, 389-401.	1.5	13
22	Data Placement and Task Scheduling Optimization for Data Intensive Scientific Workflow in Multiple Data Centers Environment. , 2014, , .		12
23	OATS: online aggregation with two-level sharing strategy in cloud. <i>Distributed and Parallel Databases</i> , 2014, 32, 467-505.	1.0	12
24	Towards optimized scheduling for data-intensive scientific workflow in multiple datacenter environment. <i>Concurrency Computation Practice and Experience</i> , 2015, 27, 5606-5622.	1.4	12
25	Optimization of Synthesis of Seleno- <i>Sargassum fusiforme</i> (Harv.) Setch. Polysaccharide by Response Surface Methodology, Its Characterization, and Antioxidant Activity. <i>Journal of Chemistry</i> , 2013, 2013, 1-9.	0.9	11
26	A Country-Wide Study of Spoligotype and Drug Resistance Characteristics of <i>Mycobacterium tuberculosis</i> Isolates from Children in China. <i>PLoS ONE</i> , 2013, 8, e84315.	1.1	11
27	TASS: Transaction Assurance in Service Selection. , 2012, , .		10
28	Scheduling of scientific workflow in non-dedicated heterogeneous multicluster platform. <i>Journal of Systems and Software</i> , 2013, 86, 1806-1818.	3.3	10
29	AppBag: Application-Aware Bandwidth Allocation for Virtual Machines in Cloud Environment. , 2016, , .		10
30	Throughput Maximization for the Wireless Powered Communication in Green Cities. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 2560-2569.	7.2	10
31	Towards tenant demand-aware bandwidth allocation strategy in cloud datacenter. <i>Future Generation Computer Systems</i> , 2020, 105, 904-915.	4.9	10
32	The Feasibility of Xpert MTB/RIF Testing to Detect Rifampicin Resistance among Childhood Tuberculosis for Prevalence Surveys in Northern China. <i>BioMed Research International</i> , 2017, 2017, 1-10.	0.9	9
33	An Effective Model for Edge-Side Collaborative Storage in Data-Intensive Edge Computing. , 2018, , .		8
34	Improving Online Aggregation Performance for Skewed Data Distribution. <i>Lecture Notes in Computer Science</i> , 2012, , 18-32.	1.0	8
35	GStar: an efficient framework for answering top-k star queries on billion-node knowledge graphs. <i>World Wide Web</i> , 2019, 22, 1611-1638.	2.7	7
36	ParaNF: Enabling Delay-Balanced Network Function Parallelism in NFV. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
37	Towards a General Prediction System for the Primary Delay in Urban Railways. , 2019, , .		7
38	Multi-Q: Multiple Queries Optimization Based on MapReduce in Cloud. , 2014, , .		6
39	Enabling application-aware flexible graph partition mechanism for parallel graph processing systems. Concurrency Computation Practice and Experience, 2017, 29, e3849.	1.4	6
40	Performance evaluation and analysis of SEU Cloud Computing Platform — Using general benchmarks and real world AMS application. , 2012, , .		5
41	A Sampling-Based Hybrid Approximate Query Processing System in the Cloud. , 2014, , .		5
42	Scientific workflow scheduling in non-dedicated heterogeneous multicluster with advance reservations. Integrated Computer-Aided Engineering, 2015, 22, 261-280.	2.5	5
43	Scheduling Parallel Task Graphs on non-dedicated heterogeneous multicluster platform with Moldable Task Duplication. , 2013, , .		4
44	A Personalized Hybrid Recommendation System Oriented to E-Commerce Mass Data in the Cloud. , 2013, , .		4
45	Entropy-Based Denial of Service Attack Detection in Cloud Data Center. , 2014, , .		4
46	A Performance Fluctuation-Aware Stochastic Scheduling Mechanism for Workflow Applications in Cloud Environment. IEICE Transactions on Information and Systems, 2014, E97.D, 2641-2651.	0.4	4
47	Two-Phase Online Virtual Machine Placement in Heterogeneous Cloud Data Center. , 2015, , .		4
48	Clinical and Drug Resistance Characteristics of New Pediatric Tuberculosis Cases in Northern China. Microbial Drug Resistance, 2018, 24, 1397-1403.	0.9	4
49	Accelerating Skycube Computation with Partial and Parallel Processing for Service Selection. IEEE Transactions on Services Computing, 2020, 13, 969-984.	3.2	4
50	QoS Preference-Aware Replica Selection Strategy Using MapReduce-Based PGA in Data Grids. , 2011, , .		3
51	Resource provisioning optimization for service hosting on cloud platform. , 2016, , .		3
52	Facilitating Application-aware Bandwidth Allocation in the Cloud with One-step-ahead Traffic Information. IEEE Transactions on Services Computing, 2019, , 1-1.	3.2	3
53	Social Attribute Based Web Service Information Publication Mechanism in Delay Tolerant Network. , 2011, , .		2
54	Game theory based dynamic resource allocation for hybrid environment with cloud and big data application. , 2014, , .		2

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55	Computing service Skyeube for web service selection. , 2015, , .		2
56	A client-side directory prefetching mechanism for GlusterFS. , 2016, , .		2
57	ECStor: A Flexible Enterprise-Oriented Cloud Storage System Based on GlusterFS. , 2016, , .		2
58	(WIP) Evaluation of a Cloud-Based System for Delivering Adaptive Micro Open Education Resource to Fresh Learners. , 2018, , .		2
59	Towards Tunable RDMA Parameter Selection at Runtime for Datacenter Applications. , 2021, , .		2
60	Cost-Effective Virtual Machine Image Replication Management for Cloud Data Centers. , 2014, , .		1
61	Recent research advances in cloud computing and big data. Concurrency Computation Practice and Experience, 2015, 27, 5574-5576.	1.4	1
62	Superblock: An Application-Aware Dynamic Partition Strategy for Large-Scale Graph. , 2015, , .		1
63	GScheduler: Optimizing resource provision by using GPU usage pattern extraction in cloud environments. , 2017, , .		1
64	Advances in cloud computing and big data analytics. Concurrency Computation Practice and Experience, 2018, 30, e4960.	1.4	1
65	Emerging intelligent big data analytics for cloud and edge computing. Concurrency Computation Practice and Experience, 2020, 32, e5989.	1.4	1
66	ParaGraph: Subgraph-Level Network Function Composition With Delay Balanced Parallelism. IEEE Access, 2020, 8, 199308-199322.	2.6	1
67	Accelerating Multi-Object Tracking in Edge Computing Environment with Time-Spatial Optimization. , 2022, , .		1
68	Doing Better Business: Trading a Little Execution Time for High Energy Saving under SLA Constraints. , 2013, , .		0
69	Recent advances in big data analysis and application. Concurrency Computation Practice and Experience, 2017, 29, e4080.	1.4	0
70	New trends and innovative methods in cloud computing and big data. Concurrency Computation Practice and Experience, 2017, 29, e4279.	1.4	0
71	Virtual network fault diagnosis mechanism based on fault injection. , 2017, , .		0
72	Cloud computingâ€‘based big data processing and intelligent analytics. Concurrency Computation Practice and Experience, 2019, 31, e5531.	1.4	0

#	ARTICLE	IF	CITATIONS
73	A CPU Load-aware Virtual Router Placement Strategy in Cloud Network. , 2021, , .		0
74	PipePar: A Pipelined Hybrid Parallel Approach for Accelerating Distributed DNN Training. , 2021, , .		0
75	Federated Learning Client Selection Mechanism Under System and Data Heterogeneity. , 2022, , .		0