

Fang Dong

List of Publications by Year in descending order

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780
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#	ARTICLE	IF	CITATIONS
1	OL-EUA: Online User Allocation for NOMA-Based Mobile Edge Computing. IEEE Transactions on Mobile Computing, 2023, 22, 2295-2306.	3.9	17
2	Multi-exit DNN Inference Acceleration based on Multi-Dimensional Optimization for Edge Intelligence. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	16
3	A rechargeable molecular solar thermal system below 0 Â°C. Chemical Science, 2022, 13, 6950-6958.	3.7	21
4	Federated Learning Client Selection Mechanism Under System and Data Heterogeneity. , 2022, , .		0
5	Accelerating Multi-Object Tracking in Edge Computing Environment with Time-Spatial Optimization. , 2022, , .		1
6	A CPU Load-awared Virtual Router Placement Strategy in Cloud Network. , 2021, , .		0
7	PipePar: A Pipelined Hybrid Parallel Approach for Accelerating Distributed DNN Training. , 2021, , .		0
8	Towards Tunable RDMA Parameter Selection at Runtime for Datacenter Applications. , 2021, , .		2
9	Accelerating Skycube Computation with Partial and Parallel Processing for Service Selection. IEEE Transactions on Services Computing, 2020, 13, 969-984.	3.2	4
10	Towards tenant demand-aware bandwidth allocation strategy in cloud datacenter. Future Generation Computer Systems, 2020, 105, 904-915.	4.9	10
11	S-MAC: Achieving High Scalability via Adaptive Scheduling in LPWAN. , 2020, , .		28
12	Emerging intelligent big data analytics for cloud and edge computing. Concurrency Computation Practice and Experience, 2020, 32, e5989.	1.4	1
13	ParaGraph: Subgraph-Level Network Function Composition With Delay Balanced Parallelism. IEEE Access, 2020, 8, 199308-199322.	2.6	1
14	GStar: an efficient framework for answering top-k star queries on billion-node knowledge graphs. World Wide Web, 2019, 22, 1611-1638.	2.7	7
15	ParaNF: Enabling Delay-Balanced Network Function Parallelism in NFV. , 2019, , .		7
16	Cloud computing-based big data processing and intelligent analytics. Concurrency Computation Practice and Experience, 2019, 31, e5531.	1.4	0
17	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
18	ADDA: Adaptive Distributed DNN Inference Acceleration in Edge Computing Environment. , 2019, , .		17

#	ARTICLE	IF	CITATIONS
19	Towards a General Prediction System for the Primary Delay in Urban Railways. , 2019, , .		7
20	Throughput Maximization for the Wireless Powered Communication in Green Cities. IEEE Transactions on Industrial Informatics, 2018, 14, 2560-2569.	7.2	10
21	Fast multi-resource allocation with patterns in large scale cloud data center. Journal of Computational Science, 2018, 26, 389-401.	1.5	13
22	Ensemble Machine Learning Systems for the Estimation of Steel Quality Control. , 2018, , .		17
23	(WIP) Evaluation of a Cloud-Based System for Delivering Adaptive Micro Open Education Resource to Fresh Learners. , 2018, , .		2
24	An Effective Model for Edge-Side Collaborative Storage in Data-Intensive Edge Computing. , 2018, , .		8
25	Advances in cloud computing and big data analytics. Concurrency Computation Practice and Experience, 2018, 30, e4960.	1.4	1
26	Clinical and Drug Resistance Characteristics of New Pediatric Tuberculosis Cases in Northern China. Microbial Drug Resistance, 2018, 24, 1397-1403.	0.9	4
27	Enabling application-aware flexible graph partition mechanism for parallel graph processing systems. Concurrency Computation Practice and Experience, 2017, 29, e3849.	1.4	6
28	Recent advances in big data analysis and application. Concurrency Computation Practice and Experience, 2017, 29, e4080.	1.4	0
29	Towards a fast and secure design for enterprise-oriented cloud storage systems. Concurrency Computation Practice and Experience, 2017, 29, e4177.	1.4	20
30	New trends and innovative methods in cloud computing and big data. Concurrency Computation Practice and Experience, 2017, 29, e4279.	1.4	0
31	Virtual network fault diagnosis mechanism based on fault injection. , 2017, , .		0
32	GScheduler: Optimizing resource provision by using GPU usage pattern extraction in cloud environments. , 2017, , .		1
33	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
34	The Feasibility of Xpert MTB/RIF Testing to Detect Rifampicin Resistance among Childhood Tuberculosis for Prevalence Surveys in Northern China. BioMed Research International, 2017, 2017, 1-10.	0.9	9
35	A Five-year Surveillance of Carbapenemase-producing Klebsiella pneumoniae in a Pediatric Hospital in China Reveals Increased Predominance of NDM-1. Biomedical and Environmental Sciences, 2017, 30, 562-569.	0.2	15
36	A client-side directory prefetching mechanism for GlusterFS. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	ECStor: A Flexible Enterprise-Oriented Cloud Storage System Based on GlusterFS. , 2016, , .		2
38	AppBag: Application-Aware Bandwidth Allocation for Virtual Machines in Cloud Environment. , 2016, , .		10
39	Resource provisioning optimization for service hosting on cloud platform. , 2016, , .		3
40	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
41	Elastic resource provisioning for scientific workflow scheduling in cloud under budget and deadline constraints. Cluster Computing, 2016, 19, 167-182.	3.5	24
42	Recent research advances in cloud computing and big data. Concurrency Computation Practice and Experience, 2015, 27, 5574-5576.	1.4	1
43	Superblock: An Application-Aware Dynamic Partition Strategy for Large-Scale Graph. , 2015, , .		1
44	Towards optimized scheduling for data-intensive scientific workflow in multiple datacenter environment. Concurrency Computation Practice and Experience, 2015, 27, 5606-5622.	1.4	12
45	Scientific workflow scheduling in non-dedicated heterogeneous multicluster with advance reservations. Integrated Computer-Aided Engineering, 2015, 22, 261-280.	2.5	5
46	Entropy-based denial-of-service attack detection in cloud data center. Concurrency Computation Practice and Experience, 2015, 27, 5623-5639.	1.4	19
47	Prevalence of drug resistant Mycobacterium tuberculosis among children in China. Tuberculosis, 2015, 95, 315-320.	0.8	28
48	Computing service Skyeube for web service selection. , 2015, , .		2
49	Two-Phase Online Virtual Machine Placement in Heterogeneous Cloud Data Center. , 2015, , .		4
50	Optimizing data placement in heterogeneous Hadoop clusters. Cluster Computing, 2015, 18, 1465-1480.	3.5	33
51	Stochastic modeling of dynamic right-sizing for energy-efficiency in cloud data centers. Future Generation Computer Systems, 2015, 48, 82-95.	4.9	34
52	Game theory based dynamic resource allocation for hybrid environment with cloud and big data application. , 2014, , .		2
53	Data Placement and Task Scheduling Optimization for Data Intensive Scientific Workflow in Multiple Data Centers Environment. , 2014, , .		12
54	Entropy-Based Denial of Service Attack Detection in Cloud Data Center. , 2014, , .		4

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55	Multi-Q: Multiple Queries Optimization Based on MapReduce in Cloud. , 2014, , .		6
56	A Sampling-Based Hybrid Approximate Query Processing System in the Cloud. , 2014, , .		5
57	Cost-Effective Virtual Machine Image Replication Management for Cloud Data Centers. , 2014, , .		1
58	OATS: online aggregation with two-level sharing strategy in cloud. Distributed and Parallel Databases, 2014, 32, 467-505.	1.0	12
59	A budget and deadline aware scientific workflow resource provisioning and scheduling mechanism for cloud. , 2014, , .		17
60	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
61	Scheduling of scientific workflow in non-dedicated heterogeneous multicluster platform. Journal of Systems and Software, 2013, 86, 1806-1818.	3.3	10
62	Partition-Based Online Aggregation with Shared Sampling in the Cloud. Journal of Computer Science and Technology, 2013, 28, 989-1011.	0.9	13
63	Scheduling Parallel Task Graphs on non-dedicated heterogeneous multicluster platform with Moldable Task Duplication. , 2013, , .		4
64	Doing Better Business: Trading a Little Execution Time for High Energy Saving under SLA Constraints. , 2013, , .		0
65	Cost and Time Aware Ant Colony Algorithm for Data Replica in Alpha Magnetic Spectrometer Experiment. , 2013, , .		22
66	An Improved Genetic Algorithm for Cost-Effective Data-Intensive Service Composition. , 2013, , .		18
67	A Personalized Hybrid Recommendation System Oriented to E-Commerce Mass Data in the Cloud. , 2013, , .		4
68	Optimization of Synthesis of Seleno- <i>Sargassum fusiforme</i> (Harv.) Setch. Polysaccharide by Response Surface Methodology, Its Characterization, and Antioxidant Activity. Journal of Chemistry, 2013, 2013, 1-9.	0.9	11
69	A Country-Wide Study of Spoligotype and Drug Resistance Characteristics of Mycobacterium tuberculosis Isolates from Children in China. PLoS ONE, 2013, 8, e84315.	1.1	11
70	Performance evaluation and analysis of SEU Cloud Computing Platform — Using general benchmarks and real world AMS application. , 2012, , .		5
71	TASS: Transaction Assurance in Service Selection. , 2012, , .		10
72	Improving Online Aggregation Performance for Skewed Data Distribution. Lecture Notes in Computer Science, 2012, , 18-32.	1.0	8

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73	QoS Preference-Aware Replica Selection Strategy Using MapReduce-Based PGA in Data Grids. , 2011, , .		3
74	Social Attribute Based Web Service Information Publication Mechanism in Delay Tolerant Network. , 2011, , .		2
75	A context-aware personalized resource recommendation forÂpervasive learning. Cluster Computing, 2010, 13, 213-239.	3.5	33