

Haitao Yuan

List of Publications by Year in descending order

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1,932
citations

257450

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69
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docs citations

69
times ranked

1152
citing authors

#	ARTICLE	IF	CITATIONS
1	TTSA: An Effective Scheduling Approach for Delay Bounded Tasks in Hybrid Clouds. IEEE Transactions on Cybernetics, 2017, 47, 3658-3668.	9.5	176
2	Energy-Optimized Partial Computation Offloading in Mobile-Edge Computing With Genetic Simulated-Annealing-Based Particle Swarm Optimization. IEEE Internet of Things Journal, 2021, 8, 3774-3785.	8.7	168
3	Application-Aware Dynamic Fine-Grained Resource Provisioning in a Virtualized Cloud Data Center. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1172-1184.	5.2	113
4	Profit-Maximized Collaborative Computation Offloading and Resource Allocation in Distributed Cloud and Edge Computing Systems. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1277-1287.	5.2	107
5	Path Planning Method With Improved Artificial Potential Field—A Reinforcement Learning Perspective. IEEE Access, 2020, 8, 135513-135523.	4.2	86
6	Temporal Task Scheduling With Constrained Service Delay for Profit Maximization in Hybrid Clouds. IEEE Transactions on Automation Science and Engineering, 2017, 14, 337-348.	5.2	82
7	Integrated deep learning method for workload and resource prediction in cloud systems. Neurocomputing, 2021, 424, 35-48.	5.9	82
8	Biobjective Task Scheduling for Distributed Green Data Centers. IEEE Transactions on Automation Science and Engineering, 2021, 18, 731-742.	5.2	74
9	Temporal Prediction of Multiapplication Consolidated Workloads in Distributed Clouds. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1763-1773.	5.2	73
10	A Hybrid Prediction Method for Realistic Network Traffic With Temporal Convolutional Network and LSTM. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1869-1879.	5.2	70
11	Time-Aware Multi-Application Task Scheduling With Guaranteed Delay Constraints in Green Data Center. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1138-1151.	5.2	64
12	Spatial Task Scheduling for Cost Minimization in Distributed Green Cloud Data Centers. IEEE Transactions on Automation Science and Engineering, 2019, 16, 729-740.	5.2	63
13	CAWSAC: Cost-Aware Workload Scheduling and Admission Control for Distributed Cloud Data Centers. IEEE Transactions on Automation Science and Engineering, 2016, 13, 976-985.	5.2	57
14	SGW-SCN: An integrated machine learning approach for workload forecasting in geo-distributed cloud data centers. Information Sciences, 2019, 481, 57-68.	6.9	55
15	Multiqueue Scheduling of Heterogeneous Tasks With Bounded Response Time in Hybrid Green IaaS Clouds. IEEE Transactions on Industrial Informatics, 2019, 15, 5404-5412.	11.3	54
16	Revenue and Energy Cost-Optimized Biobjective Task Scheduling for Green Cloud Data Centers. IEEE Transactions on Automation Science and Engineering, 2021, 18, 817-830.	5.2	43
17	SLA-based optimisation of virtualised resource for multi-tier web applications in cloud data centres. Enterprise Information Systems, 2015, 9, 743-767.	4.7	38
18	Spatiotemporal Task Scheduling for Heterogeneous Delay-Tolerant Applications in Distributed Green Data Centers. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1686-1697.	5.2	38

#	ARTICLE	IF	CITATIONS
19	TRS: Temporal Request Scheduling with bounded delay assurance in a green cloud data center. Information Sciences, 2016, 360, 57-72.	6.9	36
20	Time-Dependent Cloud Workload Forecasting via Multi-Task Learning. IEEE Robotics and Automation Letters, 2019, 4, 2401-2406.	5.1	35
21	Temporal Task Scheduling of Multiple Delay-Constrained Applications in Green Hybrid Cloud. IEEE Transactions on Services Computing, 2021, 14, 1558-1570.	4.6	33
22	Self-adaptive Bat Algorithm With Genetic Operations. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1284-1294.	13.1	32
23	Deep Neural Networks for Predicting Task Time Series in Cloud Computing Systems. , 2019, , .		30
24	Profit-Sensitive Spatial Scheduling of Multi-Application Tasks in Distributed Green Clouds. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1097-1106.	5.2	29
25	WARM: Workload-Aware Multi-Application Task Scheduling for Revenue Maximization in SDN-Based Cloud Data Center. IEEE Access, 2018, 6, 645-657.	4.2	28
26	SLA Based Dynamic Virtualized Resources Provisioning for Shared Cloud Data Centers. , 2011, , .		26
27	Cost-aware request routing in multi-geography cloud data centres using software-defined networking. Enterprise Information Systems, 2017, 11, 359-388.	4.7	21
28	An Integrated Deep Neural Network Approach for Large-Scale Water Quality Time Series Prediction. , 2019, , .		19
29	Energy-Minimized Partial Computation Offloading for Delay-Sensitive Applications in Heterogeneous Edge Networks. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 1941-1954.	4.6	19
30	Energy-Efficient and QoS-Optimized Adaptive Task Scheduling and Management in Clouds. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1233-1244.	5.2	17
31	A Petri Net Method for Compatibility Enforcement to Support Service Choreography. IEEE Access, 2016, 4, 8581-8592.	4.2	14
32	Energy Consumption and Performance Optimized Task Scheduling in Distributed Data Centers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5506-5517.	9.3	14
33	Geography-Aware Task Scheduling for Profit Maximization in Distributed Green Data Centers. IEEE Transactions on Cloud Computing, 2022, 10, 1864-1874.	4.4	13
34	An Improved Attention-based LSTM for Multi-Step Dissolved Oxygen Prediction in Water Environment. , 2020, , .		12
35	Firefly algorithm and learning-based geographical task scheduling for operational cost minimization in distributed green data centers. Neurocomputing, 2022, 490, 146-162.	5.9	12
36	Hybrid task prediction based on wavelet decomposition and ARIMA model in cloud data center. , 2018, , .		11

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37	Identifying Latent Reduced Models to Precondition Lossy Compression. , 2019, , .		11
38	Green Energy Forecast-Based Bi-Objective Scheduling of Tasks Across Distributed Clouds. IEEE Transactions on Sustainable Computing, 2022, 7, 619-630.	3.1	9
39	Large-scale Network Traffic Prediction With LSTM and Temporal Convolutional Networks. , 2022, , .		9
40	Workload-aware request routing in cloud data center using software-defined networking. Journal of Systems Engineering and Electronics, 2015, 26, 151-160.	2.2	6
41	NPIY : A novel partitioner for improving mapreduce performance. Journal of Visual Languages and Computing, 2018, 46, 1-11.	1.8	6
42	An Improved Dro-Based Recurrent Neural Networks for Large-Scale Light Curve Time Series Prediction. , 2018, , .		6
43	Improved LSTM-based Prediction Method for Highly Variable Workload and Resources in Clouds. , 2020, , .		6
44	Workload-Aware Revenue Maximization in SDN-Enabled Data Center. , 2017, , .		5
45	Deadlock prevention for service orchestration via controlled Petri nets. Journal of Parallel and Distributed Computing, 2019, 124, 92-105.	4.1	5
46	Fully Convolutional Encoder-Decoder With an Attention Mechanism for Practical Pedestrian Trajectory Prediction. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 20046-20060.	8.0	4
47	A Spatio-Temporal Prediction Method of Wind Energy in Green Cloud Data Centers. , 2021, , .		3
48	Workload Forecasting with Hybrid Stochastic Configuration Networks in Clouds. , 2018, , .		2
49	Profit-Aware Spatial Task Scheduling in Distributed Green Clouds. , 2019, , .		2
50	Bi-objective Intelligent Task Scheduling for Green Clouds with Deep Learning-based Prediction. , 2020, , .		2
51	Energy-Aware Task Offloading with Genetic Particle Swarm Optimization in Hybrid Edge Computing. , 2021, , .		2
52	Temporal request scheduling for energy-efficient cloud data centers. , 2017, , .		1
53	Revenue-sensitive scheduling of multi-application tasks in software-defined cloud. , 2017, , .		1
54	Temporal Task Scheduling for Delay-Constrained Applications in Geo-Distributed Cloud Data Centers. , 2018, , .		1

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55	New Results on Joint Classification of Vertical Structure of Ocean Properties at a Global Scale. IEEE Access, 2020, 8, 66448-66455.	4.2	1
56	Workload and Renewable Energy Prediction in Cloud Data Centers with Multi-scale Wavelet Transformation. , 2021, , .		1
57	Fine-grained Task Scheduling in Cloud Data Centers Using Simulated-annealing-based Bees Algorithm. , 2020, , .		1
58	Profit-Maximized Task Offloading with Simulated-annealing-based Migrating Birds Optimization in Hybrid Cloud-Edge Systems. , 2020, , .		1
59	Energy Cost and Performance-Sensitive Bi-objective Scheduling of Tasks in Clouds. , 2020, , .		1
60	Cost Optimization for Partial Computation Offloading and Resource Allocation in Heterogeneous Mobile Edge Computing. , 2021, , .		1
61	Multi-Stage PSO-Based Cost Minimization for Computation Offloading in Vehicular Edge Networks. , 2021, , .		1
62	SLA-based virtualized resource allocation for multi-tier web application in cloud simulation environment. , 2012, , .		0
63	Cost-sensitive task routing and resource provisioning in geo-distributed clouds. , 2017, , .		0
64	QoS and Profit Aware Task Scheduling with Simulated-Annealing-Based Bi-Objective Differential Evolution in Green Clouds. , 2019, , .		0
65	Location-Sensitive Resource optimization for Profit Maximization in Distributed Data Centers. , 2019, , .		0
66	A Deep Learning Approach to Large-Scale Light Curve Prediction and Real-Time Anomaly Detection with Grubbs Criterion. , 2020, , .		0
67	An Adaptive Hybrid Bat Algorithm with Genetic Operations and Dynamic Inertia Weight. , 2021, , .		0
68	Chaotic Lévy Whale Optimization Algorithm with Simulated Annealing and Differential Evolution. , 2021, , .		0
69	Hybrid Whale Optimization Algorithm with Differential Evolution and Chaotic Map Operations. , 2021, , .		0