Jing Bi

List of Publications by Year
in descending order

74 papers	2,251 citations	185998 28 h-index	264894 42 g-index
74 all docs	74 docs citations	74 times ranked	1535 citing authors

#	Article	IF	Citations
1	Geography-Aware Task Scheduling for Profit Maximization in Distributed Green Data Centers. IEEE Transactions on Cloud Computing, 2022, 10, 1864-1874.	3.1	13
2	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.	3.4	70
3	Artificial neural networks for water quality soft-sensing in wastewater treatment: a review. Artificial Intelligence Review, 2022, 55, 565-587.	9.7	64
4	Energy-Efficient and QoS-Optimized Adaptive Task Scheduling and Management in Clouds. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1233-1244.	3.4	17
5	Energy Consumption and Performance Optimized Task Scheduling in Distributed Data Centers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5506-5517.	5.9	14
6	Green Energy Forecast-Based Bi-Objective Scheduling of Tasks Across Distributed Clouds. IEEE Transactions on Sustainable Computing, 2022, 7, 619-630.	2.2	9
7	Energy-Minimized Partial Computation Offloading for Delay-Sensitive Applications in Heterogeneous Edge Networks. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 1941-1954.	3.2	19
8	Large-scale Network Traffic Prediction With LSTM and Temporal Convolutional Networks. , 2022, , .		9
9	Self-adaptive Bat Algorithm With Genetic Operations. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1284-1294.	8.5	32
10	Temporal Task Scheduling of Multiple Delay-Constrained Applications in Green Hybrid Cloud. IEEE Transactions on Services Computing, 2021, 14, 1558-1570.	3.2	33
11	Deep Learning-Based Model Predictive Control for Continuous Stirred-Tank Reactor System. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3643-3652.	7.2	53
12	Biobjective Task Scheduling for Distributed Green Data Centers. IEEE Transactions on Automation Science and Engineering, 2021, 18, 731-742.	3.4	74
13	Revenue and Energy Cost-Optimized Biobjective Task Scheduling for Green Cloud Data Centers. IEEE Transactions on Automation Science and Engineering, 2021, 18, 817-830.	3.4	43
14	Integrated deep learning method for workload and resource prediction in cloud systems. Neurocomputing, 2021, 424, 35-48.	3.5	82
15	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.	5.5	168
16	Soft-sensing of Wastewater Treatment Process via Deep Belief Network with Event-triggered Learning. Neurocomputing, 2021, 436, 103-113.	3.5	26
17	Workload and Renewable Energy Prediction in Cloud Data Centers with Multi-scale Wavelet Transformation. , 2021, , .		1
18	A Spatio-Temporal Prediction Method of Wind Energy in Green Cloud Data Centers. , 2021, , .		3

#	Article	IF	Citations
19	Cost Optimization for Partial Computation Offloading and Resource Allocation in Heterogeneous Mobile Edge Computing. , 2021, , .		1
20	Energy-Aware Task Offloading with Genetic Particle Swarm Optimization in Hybrid Edge Computing. , 2021, , .		2
21	An Adaptive Hybrid Bat Algorithm with Genetic Operations and Dynamic Inertia Weight. , 2021, , .		0
22	Chaotic LÃ©vy Whale Optimization Algorithm with Simulated Annealing and Differential Evolution. , 2021, , .		0
23	Hybrid Whale Optimization Algorithm with Differential Evolution and Chaotic Map Operations. , 2021, , .		0
24	Multi-Stage PSO-Based Cost Minimization for Computation Offloading in Vehicular Edge Networks. , 2021, , .		1
25	Profit-Sensitive Spatial Scheduling of Multi-Application Tasks in Distributed Green Clouds. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1097-1106.	3.4	29
26	A sparse deep belief network with efficient fuzzy learning framework. Neural Networks, 2020, 121, 430-440.	3.3	48
27	An Adaptive Deep Belief Network With Sparse Restricted Boltzmann Machines. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4217-4228.	7.2	46
28	Energy-efficient Task Offloading Using Hybrid Particle Swarm Optimization with Genetic Operations in Smart Edge. IFAC-PapersOnLine, 2020, 53, 19-24.	0.5	3
29	A Deep Learning Approach to Large-Scale Light Curve Prediction and Real-Time Anomaly Detection with Grubbs Criterion. , 2020, , .		0
30	Fine-grained Task Scheduling in Cloud Data Centers Using Simulated-annealing-based Bees Algorithm. , 2020, , .		1
31	An Improved Attention-based LSTM for Multi-Step Dissolved Oxygen Prediction in Water Environment. , 2020, , .		12
32	Energy Cost and Performance-Sensitive Bi-objective Scheduling of Tasks in Clouds. , 2020, , .		1
33	Improved LSTM-based Prediction Method for Highly Variable Workload and Resources in Clouds. , 2020, , .		6
34	Bi-objective Intelligent Task Scheduling for Green Clouds with Deep Learning-based Prediction. , 2020, , .		2
35	Spatial Task Scheduling for Cost Minimization in Distributed Green Cloud Data Centers. IEEE Transactions on Automation Science and Engineering, 2019, 16, 729-740.	3.4	63
36	Deep Neural Networks for Predicting Task Time Series in Cloud Computing Systems. , 2019, , .		30

#	Article	IF	Citations
37	Spatio-Temporal Scheduling of Heterogeneous Delay-Constrained Tasks in Geo-Distributed Green Clouds. , 2019, , .		2
38	Spatiotemporal Task Scheduling for Heterogeneous Delay-Tolerant Applications in Distributed Green Data Centers. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1686-1697.	3.4	38
39	Temporal Prediction of Multiapplication Consolidated Workloads in Distributed Clouds. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1763-1773.	3.4	73
40	Multiqueue Scheduling of Heterogeneous Tasks With Bounded Response Time in Hybrid Green IaaS Clouds. IEEE Transactions on Industrial Informatics, 2019, 15, 5404-5412.	7.2	54
41	Time-Dependent Cloud Workload Forecasting via Multi-Task Learning. IEEE Robotics and Automation Letters, 2019, 4, 2401-2406.	3.3	35
42	An Efficient Deep Belief Network with Fuzzy Learning for Nonlinear System Modeling. , 2019, , .		2
43	SGW-SCN: An integrated machine learning approach for workload forecasting in geo-distributed cloud data centers. Information Sciences, 2019, 481, 57-68.	4.0	55
44	Deadlock prevention for service orchestration via controlled Petri nets. Journal of Parallel and Distributed Computing, 2019, 124, 92-105.	2.7	5
45	TL-GDBN: Growing Deep Belief Network With Transfer Learning. IEEE Transactions on Automation Science and Engineering, 2019, 16, 874-885.	3.4	100
46	WARM: Workload-Aware Multi-Application Task Scheduling for Revenue Maximization in SDN-Based Cloud Data Center. IEEE Access, 2018, 6, 645-657.	2.6	28
47	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.	3.4	64
48	End-to-End Web Service Recommendations by Extending Collaborative Topic Regression. International Journal of Web Services Research, 2018, 15, 89-112.	0.5	2
49	An Improved Dro-Based Recurrent Neural Networks for Large-Scale Light Curve Time Series Prediction. , 2018, , .		6
50	Geographical Scheduling of Multi-application Tasks for Cost Minimization in Distributed Green Data Centers. , 2018, , .		0
51	Temporal Task Scheduling for Delay-Constrained Applications in Geo-Distributed Cloud Data Centers. , 2018, , .		1
52	Cost-aware request routing in multi-geography cloud data centres using software-defined networking. Enterprise Information Systems, 2017, 11, 359-388.	3.3	21
53	Application-Aware Dynamic Fine-Grained Resource Provisioning in a Virtualized Cloud Data Center. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1172-1184.	3.4	113
54	Temporal Task Scheduling With Constrained Service Delay for Profit Maximization in Hybrid Clouds. IEEE Transactions on Automation Science and Engineering, 2017, 14, 337-348.	3.4	82

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55	Temporal request scheduling for energy-efficient cloud data centers. , 2017, , .		1
56	Semi-supervised learning in large scale text categorization. Journal of Shanghai Jiaotong University (Science), 2017, 22, 291-302.	0.5	3
57	TTSA: An Effective Scheduling Approach for Delay Bounded Tasks in Hybrid Clouds. IEEE Transactions on Cybernetics, 2017, 47, 3658-3668.	6.2	176
58	Revenue-sensitive scheduling of multi-application tasks in software-defined cloud. , 2017, , .		1
59	Cost-sensitive task routing and resource provisioning in geo-distributed clouds. , 2017, , .		0
60	A Petri Net Method for Compatibility Enforcement to Support Service Choreography. IEEE Access, 2016, 4, 8581-8592.	2.6	14
61	TRS: Temporal Request Scheduling with bounded delay assurance in a green cloud data center. Information Sciences, 2016, 360, 57-72.	4.0	36
62	Hybrid intelligent modelling and simulation for cold tandem rolling process. IET Control Theory and Applications, 2016, 10, 1420-1430.	1.2	4
63	Pattern Recognition for Large-Scale and Incremental Time Series in Healthcare. , 2016, , .		1
64	A data-driven approach to predict Small-for-Gestational-Age infants. , 2016, , .		2
65	Heuristic virtual machine allocation for multi-tier Ambient Assisted Living applications in a cloud data center. China Communications, 2016, 13, 56-65.	2.0	5
66	CAWSAC: Cost-Aware Workload Scheduling and Admission Control for Distributed Cloud Data Centers. IEEE Transactions on Automation Science and Engineering, 2016, 13, 976-985.	3.4	57
67	Exploiting ensemble learning for automatic cataract detection and grading. Computer Methods and Programs in Biomedicine, 2016, 124, 45-57.	2.6	124
68	A Topic-Level Privacy Preserving Search in the Medical Field. , 2015, , .		0
69	SLA-based optimisation of virtualised resource for multi-tier web applications in cloud data centres. Enterprise Information Systems, 2015, 9, 743-767.	3.3	38
70	SLA Based Dynamic Virtualized Resources Provisioning for Shared Cloud Data Centers. , 2011, , .		26
71	A Petri Net Based Hybrid Optimal Controller for Deadlock Prevention in Web Service Composition. , 2011, , .		2
72	WS-SCAN: A effective approach for web services clustering. , 2010, , .		5

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73	Dynamic Provisioning Modeling for Virtualized Multi-tier Applications in Cloud Data Center. , 2010, , .		100
74	Research on the Composition Approach of Service-Oriented Enterprises Collaborative Web Services Composition Model. , 2009, , .		0