Georgios L Stavrinides

List of Publications by Year
in descending order

45 papers	821 citations	623734 14 h-index	794594 19 g-index
47 all docs	47 docs citations	47 times ranked	395 citing authors

#	Article	IF	Citations
1	An energy-efficient, QoS-aware and cost-effective scheduling approach for real-time workflow applications in cloud computing systems utilizing DVFS and approximate computations. Future Generation Computer Systems, 2019, 96, 216-226.	7.5	105
2	A hybrid approach to scheduling real-time IoT workflows in fog and cloud environments. Multimedia Tools and Applications, 2019, 78, 24639-24655.	3.9	93
3	Scheduling multiple task graphs with end-to-end deadlines in distributed real-time systems utilizing imprecise computations. Journal of Systems and Software, 2010, 83, 1004-1014.	4.5	52
4	Scheduling multiple task graphs in heterogeneous distributed real-time systems by exploiting schedule holes with bin packing techniques. Simulation Modelling Practice and Theory, 2011, 19, 540-552.	3.8	50
5	Scheduling real-time DAGs in heterogeneous clusters by combining imprecise computations and bin packing techniques for the exploitation of schedule holes. Future Generation Computer Systems, 2012, 28, 977-988.	7.5	46
6	A Cost-Effective and QoS-Aware Approach to Scheduling Real-Time Workflow Applications in PaaS and SaaS Clouds. , 2015, , .		39
7	Different aspects of workflow scheduling in large-scale distributed systems. Simulation Modelling Practice and Theory, 2017, 70, 120-134.	3.8	28
8	Fault-tolerant Gang Scheduling in Distributed Real-time Systems Utilizing Imprecise Computations. Simulation, 2009, 85, 525-536.	1.8	25
9	Scheduling real-time bag-of-tasks applications with approximate computations in SaaS clouds. Concurrency Computation Practice and Experience, 2020, 32, e4208.	2.2	21
10	The impact of workload variability on the energy efficiency of large-scale heterogeneous distributed systems. Simulation Modelling Practice and Theory, 2018, 89, 135-143.	3.8	20
11	Dynamic scheduling of bags-of-tasks with sensitive input data and end-to-end deadlines in a hybrid cloud. Multimedia Tools and Applications, 2021, 80, 16781-16803.	3.9	20
12	Orchestrating real-time IoT workflows in a fog computing environment utilizing partial computations with end-to-end error propagation. Cluster Computing, 2021, 24, 3629-3650.	5.0	20
13	Scheduling real-time parallel applications in SaaS clouds in the presence of transient software failures. , 2016, , .		19
14	Simulation-Based Performance Evaluation of an Energy-Aware Heuristic for the Scheduling of HPC Applications in Large-Scale Distributed Systems. , 2017, , .		18
15	The impact of checkpointing interval selection on the scheduling performance of real-time fine-grained parallel applications in SaaS clouds under various failure probabilities. Concurrency Computation Practice and Experience, 2018, 30, e4288.	2.2	17
16	Energy-Aware Scheduling of Real-Time Workflow Applications in Clouds Utilizing DVFS and Approximate Computations. , 2018, , .		17
17	Performance evaluation of a SaaS cloud under different levels of workload computational demand variability and tardiness bounds. Simulation Modelling Practice and Theory, 2019, 91, 1-12.	3.8	16
18	Scheduling Data-Intensive Workloads in Large-Scale Distributed Systems: Trends and Challenges. Studies in Big Data, 2018, , 19-43.	1.1	15

#	Article	IF	Citations
19	The Effect of Workload Computational Demand Variability on the Performance of a SaaS Cloud with a Multi-tier SLA. , 2017, , .		14
20	Scheduling Different Types of Applications in a SaaS Cloud. , 2016, , .		14
21	Cost‐aware cloud bursting in a fog‐cloud environment with real‐time workflow applications. Concurrency Computation Practice and Experience, 2021, 33, e5850.	2.2	13
22	The Impact of Input Error on the Scheduling of Task Graphs with Imprecise Computations in Heterogeneous Distributed Real-Time Systems. Lecture Notes in Computer Science, 2011, , 273-287.	1.3	13
23	Cost-Effective Utilization of Complementary Cloud Resources for the Scheduling of Real-Time Workflow Applications in a Fog Environment. , 2019, , .		12
24	The impact of data locality on the performance of a SaaS cloud with real-time data-intensive applications. , 2017, , .		11
25	The impact of resource heterogeneity on the timeliness of hard real-time complex jobs. , 2014, , .		10
26	Orchestration of Real-Time Workflows with Varying Input Data Locality in a Heterogeneous Fog Environment. , 2020, , .		10
27	Scheduling Bag-of-Task-Chains in Distributed Systems. , 2019, , .		9
28	Multicriteria scheduling of linear workflows with dynamically varying structure on distributed platforms. Simulation Modelling Practice and Theory, 2021, 112, 102369.	3.8	9
29	Scheduling a Job Mix of Bag-of-Tasks and Bag-of-Task-Chains on Distributed Resources. , 2020, , .		8
30	Security and Cost Aware Scheduling of Real-Time IoT Workflows in a Mist Computing Environment. , 2021, , .		8
31	Task Group Scheduling in Distributed Systems. , 2018, , .		7
32	Scheduling Different Types of Gang Jobs in Distributed Systems. , 2019, , .		7
33	Orchestrating Bag-of-Tasks Applications with Dynamically Spawned Tasks in a Distributed Environment. , 2021, , .		7
34	Periodic scheduling of mixed workload in distributed systems. , 2017, , .		6
35	Scheduling techniques for complex workloads in distributed systems. , 2018, , .		6
36	Security, Cost and Energy Aware Scheduling of Real-Time IoT Workflows in a Mist Computing Environment. Information Systems Frontiers, 0, , .	6.4	6

#	Article	IF	Citations
37	Scheduling Different Types of Bag-of-Tasks Jobs in Distributed Systems. , 2019, , .		5
38	Scheduling Single-Task Jobs along with Bag-of-Task-Chains in Distributed Systems. , 2019, , .		5
39	Multi-Criteria Scheduling of Complex Workloads on Distributed Resources. , 2020, , .		3
40	Scheduling Real-Time IoT Workflows in a Fog Computing Environment Utilizing Cloud Resources with Data-Aware Elasticity. , 2021, , .		3
41	Data-Aware Resource Allocation of Linear Pipeline Applications in a Distributed Environment. , 2022, , .		3
42	Weighted Scheduling of Mixed Gang Jobs on Distributed Resources. , 2020, , .		2
43	â€œModeling and simulation of fog computingâ€• Simulation Modelling Practice and Theory, 2020, 101, 102066.	3.8	1
44	Resource Assignment Strategies for Bags-of-Tasks in Distributed Systems. , 2021, , .		1
45	Guest editorsâ€™ introduction: â€œModeling and simulation of hybrid cloudsâ€• Simulation Modelling Practice and Theory, 2021, 111, 102349.	3.8	0