Ritu - Garg

List of Publications by Year
in descending order

36 papers	569 citations	840776 11 h-index	713466 21 g-index
38 all docs	38 docs citations	38 times ranked	525 citing authors

#	Article	IF	Citations
1	Multi-objective workflow grid scheduling using $$\varepsilon$$ Îµ -fuzzy dominance sort based discrete particle swarm optimization. Journal of Supercomputing, 2014, 68, 709-732.	3.6	94
2	Reliability and energy efficient workflow scheduling in cloud environment. Cluster Computing, 2019, 22, 1283-1297.	5.0	71
3	Load Balancing Based Task Scheduling with ACO in Cloud Computing. , 2017, , .		52
4	Adaptive workflow scheduling in grid computing based on dynamic resource availability. Engineering Science and Technology, an International Journal, 2015, 18, 256-269.	3.2	41
5	Energy harvesting in IoT devices: A survey. , 2017, , .		36
6	Fault Tolerance In Grid Computing: State of the Art and Open Issues. International Journal of Computer Science & Engineering Survey, 2011, 2, 88-97.	0.3	33
7	HIGA: Harmony-inspired genetic algorithm for rack-aware energy-efficient task scheduling in cloud data centers. Engineering Science and Technology, an International Journal, 2020, 23, 211-224.	3.2	33
8	Energy-Aware Workflow Scheduling in Grid Under QoS Constraints. Arabian Journal for Science and Engineering, 2016, 41, 495-511.	1.1	23
9	Energy-efficient dynamic homomorphic security scheme for fog computing in IoT networks. Journal of Information Security and Applications, 2021, 58, 102768.	2.5	21
10	Orrs Orchestration of a Resource Reservation System Using Fuzzy Theory in High-Performance Computing. International Journal of Software Innovation, 2022, 10, 1-28.	0.4	20
11	Multi-objective Workflow Grid Scheduling Based on Discrete Particle Swarm Optimization. Lecture Notes in Computer Science, 2011, , 183-190.	1.3	16
12	Fault Tolerant Task Scheduling on Computational Grid Using Checkpointing Under Transient Faults. Arabian Journal for Science and Engineering, 2014, 39, 8775-8791.	1.1	15
13	Meta-heuristic based reliable and green workflow scheduling in cloud computing. International Journal of Systems Assurance Engineering and Management, 2018, 9, 811-820.	2.4	12
14	Reference Point Based Multi-Objective Optimization to Workflow Grid Scheduling. International Journal of Applied Evolutionary Computation, 2012, 3, 80-99.	1.0	11
15	Workflow scheduling in heterogeneous computing systems : A survey. , 2017, , .		10
16	Energy-aware whale-optmized task scheduler in cloud computing. , 2017, , .		9
17	Enhancing the Discrete Particle Swarm Optimization based Workflow Grid Scheduling using Hierarchical Structure. International Journal of Computer Network and Information Security, 2013, 5, 18-26.	1.9	9
18	Power and Temperature-Aware Workflow Scheduling Considering Deadline Constraint in Cloud. Arabian Journal for Science and Engineering, 2020, 45, 10775-10791.	3.0	7

#	Article	IF	Citations
19	Energy Management in a Multi-Source Energy Harvesting IoT System. Journal of Information Technology Research, 2020, 13, 42-59.	0.5	7
20	A Survey of Thermal Management in Cloud Data Centre: Techniques and Open Issues. Wireless Personal Communications, 2021, 118, 679-713.	2.7	7
21	MultiObjective Optimization to Workflow Grid Scheduling using Reference Point based Evolutionary Algorithm. International Journal of Computer Applications, 2011, 22, 44-49.	0.2	7
22	Pareto based ant lion optimizer for energy efficient scheduling in cloud environment. Applied Soft Computing Journal, 2021, 113, 107943.	7.2	6
23	Reliability aware green workflow scheduling using Îµ-fuzzy dominance in cloud. Complex & Intelligent Systems, 2022, 8, 1425-1443.	6.5	5
24	Reliability-Aware Workflow Scheduling Using Monte Carlo Failure Estimation in Cloud. Advances in Intelligent Systems and Computing, 2017, , 139-153.	0.6	4
25	A robust multi-objective optimization to workflow scheduling for dynamic grid. , 2011, , .		3
26	Failure-aware scheduling in grid considering Weibull failure distribution. , 2013, , .		3
27	Energy Efficient Scheduling for Multiple Workflows in Cloud Environment. International Journal of Information Technology and Web Engineering, 2018, 13, 14-34.	1.6	3
28	Energy efficient task scheduling using adaptive PSO for cloud computing. International Journal of Reasoning-based Intelligent Systems, 2021, 13, 50.	0.1	3
29	Energy Efficient Level by Level Scheduling for Multiple Workflows in Cloud. International Journal of Software Innovation, 2019, 7, 102-117.	0.4	2
30	Reliability-Aware Green Scheduling Algorithm in Cloud Computing. Advances in Intelligent Systems and Computing, 2019, , 421-431.	0.6	2
31	State-of-the-Art Energy-Efficient Thermal-Aware Scheduling in Cloud. Lecture Notes in Networks and Systems, 2019, , 157-164.	0.7	2
32	Multi-Objective Ant Colony Optimization for Task Scheduling in Grid Computing. Advances in Intelligent Systems and Computing, 2014, , 133-141.	0.6	0
33	Advances in Quaternary and Pentanary Semiconductors for Communication and Networking Applications. Key Engineering Materials, 2016, 689, 98-102.	0.4	0
34	Îµ â€"Pareto Dominance Based Multi-objective Optimization to Workflow Grid Scheduling. Communications in Computer and Information Science, 2011, , 29-40.	0.5	0
35	Energy Efficient Reliability Aware Workflow Scheduling in Cloud Computing. International Journal of Sensors, Wireless Communications and Control, 2018, 7, 198-210.	0.7	0
36	Guided Search-Based Multi-Objective Evolutionary Algorithm for Grid Workflow Scheduling. Advances in Computer and Electrical Engineering Book Series, 2019, , 166-195.	0.3	0