

Marc Frincu

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

637
citations

1307594

7
h-index

839539

18
g-index

76
all docs

76
docs citations

76
times ranked

628
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulated annealing based symbiotic organisms search optimization algorithm for traveling salesman problem. Expert Systems With Applications, 2017, 77, 189-210.	7.6	146
2	Multi-objective Meta-heuristics for Scheduling Applications with High Availability Requirements and Cost Constraints in Multi-Cloud Environments. , 2011, , .		49
3	Reactive Resource Provisioning Heuristics for Dynamic Dataflows on Cloud Infrastructure. IEEE Transactions on Cloud Computing, 2015, 3, 105-118.	4.4	46
4	Scheduling highly available applications on cloud environments. Future Generation Computer Systems, 2014, 32, 138-153.	7.5	39
5	Fast parallel algorithm for unfolding of communities in large graphs. , 2014, , .		35
6	Prediction models for dynamic demand response: Requirements, challenges, and insights. , 2015, , .		26
7	MATCH for the Prosumer Smart Grid The Algorithmics of Real-Time Power Balance. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 3532-3546.	5.6	25
8	Comparing Provisioning and Scheduling Strategies for Workflows on Clouds. , 2013, , .		19
9	Accurate and efficient selection of the best consumption prediction method in smart grids. , 2014, , .		17
10	Fault-Tolerant and Elastic Streaming MapReduce with Decentralized Coordination. , 2015, , .		16
11	Towards Open-Source Cloudware. , 2011, , .		11
12	Self-Healing Distributed Scheduling Platform. , 2011, , .		10
13	On the efficiency of several VM provisioning strategies for workflows with multi-threaded tasks on clouds. Computing (Vienna/New York), 2014, 96, 1059-1086.	4.8	10
14	Real-Time Analytics for Fast Evolving Social Graphs. , 2015, , .		10
15	Distributed Programming over Time-Series Graphs. , 2015, , .		10
16	Towards Dynamic Demand Response On Efficient Consumer Grouping Algorithmics. IEEE Transactions on Sustainable Computing, 2016, 1, 20-34.	3.1	10
17	A bottom-up approach to sustained curtailment and comfort for controlled demand response. , 2014, , .		9
18	Model-based assessment for balancing privacy requirements and operational capabilities in the smart grid. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
19	Architectural Pattern for Scheduling Multi-Component Applications in Distributed Systems. International Journal of Grid and High Performance Computing, 2016, 8, 1-22.	0.9	9
20	Architecting a hybrid cross layer dew-fog-cloud stack for future data-driven cyber-physical systems. , 2017, , .		9
21	Efficient customer selection for sustainable demand response in smart grids. , 2014, , .		8
22	Towards a scalable cloud enabled smart home automation architecture for demand response. , 2016, , .		7
23	Generic Access to Web and Grid-based Symbolic Computing Services: the SymGrid-Services Framework. , 2007, , .		6
24	D-OSyRIS: A Self-Healing Distributed Workflow Engine. , 2011, , .		5
25	Integrated platform for automated sustainable demand response in smart grids. , 2014, , .		5
26	Considerations towards security and privacy in Internet of Things based eHealth applications. , 2016, , .		5
27	Grid Resource Allocation with Genetic Algorithm Using Population Based on Multisets. Journal of Intelligent Systems, 2017, 26, 169-184.	1.6	5
28	Dynamic and adaptive workflow execution platform for symbolic computations. Pollack Periodica, 2009, 4, 145-156.	0.4	5
29	Distributed Scheduling Policy in Service Oriented Environments. , 2009, , .		4
30	Privacy Assessment of Data Flow Graphs for an Advanced Recommender System in the Smart Grid. Communications in Computer and Information Science, 2015, , 89-106.	0.5	4
31	Dynamic and Adaptive Rule-Based Workflow Engine for Scientific Problems in Distributed Environments. , 2010, , 227-251.		4
32	Dynamic Scheduling Algorithm for Heterogeneous Environments with Regular Task Input from Multiple Requests. Lecture Notes in Computer Science, 2009, , 199-210.	1.3	4
33	Towards a Grid Oriented Architecture for Symbolic Computing. , 2008, , .		3
34	Remote Sensed Image Processing on Grids for Training in Earth Observation. , 0, , .		3
35	Efficient extraction of high centrality vertices in distributed graphs. , 2014, , .		3
36	Characterization of grid computing resources using measurement-based evaluation. Multiagent and Grid Systems, 2016, 12, 13-34.	0.9	3

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37	Neural network-based multi-agent approach for scheduling in distributed systems. Concurrency Computation Practice and Experience, 2017, 29, e3887.	2.2	3
38	Remote Control for Graphic Applications. , 2007, , .		2
39	Composing Web-Based Mathematical Services. , 2007, , .		2
40	Workflow Management for Symbolic Grid Services. , 2008, , .		2
41	A Method for Distributing Scheduling Heuristics Inside Service Oriented Environments Using a Nature-Inspired Approach. , 2010, , .		2
42	Scheduling Service Oriented Workflows Inside Clouds Using an Adaptive Agent Based Approach. , 2010, , 159-182.		2
43	Validation of SymGrid-services framework through event-based simulation. International Journal of Grid and Utility Computing, 2011, 2, 33.	0.2	2
44	Experiences in building a Grid-based platform to serve Earth observation training activities. Computer Standards and Interfaces, 2012, 34, 493-508.	5.4	2
45	Minimizing Resource Rent Loss while Maximizing User Availability in Cloud Applications through Online Switching of the Scaling Method. , 2012, , .		2
46	Porting Grid Applications to the Cloud with Schlouder. , 2013, , .		2
47	Performance characterization of heterogeneous distributed commodity cluster resources. , 2014, , .		2
48	Client-side resource management on the cloud: survey and future directions. International Journal of Cloud Computing, 2015, 4, 234.	0.3	2
49	Multiagent-based approach for scheduling meta-applications in heterogeneous grid environments. Multiagent and Grid Systems, 2015, 11, 59-79.	0.9	2
50	Scheduling multi-component applications with mobile agents in heterogeneous distributed systems. Concurrency Computation Practice and Experience, 2016, 28, 1462-1479.	2.2	2
51	Description and Execution of Patterns for Symbolic Computations. , 2009, , .		1
52	Towards Programmatic Management of Services from Multiple Clouds. , 2012, , .		1
53	A Multiagent-Based Approach to Scheduling of Multi-component Applications in Distributed Systems. Advances in Intelligent Systems and Computing, 2015, , 1-12.	0.6	1
54	Enabling Automated Dynamic Demand Response. , 2015, , .		1

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55	Distributed Scheduling Algorithm for Highly Available Component Based Applications. , 2015, , .		1
56	Exploring Scalability in Pattern Finding in Galactic Structure Using MapReduce. , 2016, , .		1
57	Reusing Resource Coalitions for Efficient Scheduling on the Intercloud. , 2016, , .		1
58	Benchmarking the WRF Model on Bluegene/P, Cluster, and Cloud Platforms and Accelerating Model Setup Through Parallel Genetic Algorithms. , 2017, , .		1
59	A distributed algorithm for the efficient computation of the unified model of social influence on massive datasets. , 2017, , .		1
60	Redesigning Parallel Symbolic Computations Packages. Parallel Architecture and Compilation Techniques (PACT), Proceedings of the International Conference on, 2007, , .	0.0	0
61	On Designing an Asynchronous and Dynamic Platform for Solving Single Task Requests of Remote Applications. , 2008, , .		0
62	A Reference Architectural Pattern: Component-Based Scheduling System for Heterogeneous Computing Environment. , 2014, , .		0
63	Distributed computing track at SYNASC 2014. Concurrency Computation Practice and Experience, 2016, 28, 3023-3024.	2.2	0
64	Online Resource Coalition Reorganization for Efficient Scheduling on the Intercloud. Lecture Notes in Computer Science, 2016, , 143-161.	1.3	0
65	Energy efficient sensors data stream model for real-time and continuous vital signs monitoring. , 2016, , .		0
66	Scheduling Data Stream Jobs on Distributed Systems with Background Load. , 2017, , .		0
67	Special Issue on Scalable Computing Systems for Big Data Applications. Journal of Parallel and Distributed Computing, 2017, 108, 1-2.	4.1	0
68	Shapelet based classification of customer consumption patterns. , 2017, , .		0
69	Using cluster information to predict individual customer consumption. , 2017, , .		0
70	Benchmarking numerical libraries for flight software prequalification: Extended abstract. AIP Conference Proceedings, 2018, , .	0.4	0
71	Digital Tracking Cloud Distributed Architecture for Detection of Faint NEAs. , 2019, , .		0
72	Selection methods for Demand Response: improving comfort and balancing loads. , 2021, , .		0