

Suresh Marru

List of Publications by Year in descending order

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63
papers

680
citations

1163117

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1372567

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all docs

63
docs citations

63
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	Custos Secrets: a Service for Managing User-Provided Resource Credential Secrets for Science Gateways. , 2022, , .		1
2	User-Centric Design and Evolvable Architecture for Science Gateways: A Case Study. , 2021, , .		1
3	Common Resource Descriptions for Interoperable Gateway Cyberinfrastructure. , 2021, , .		0
4	Managing authentication and authorization in distributed science gateway middleware. Future Generation Computer Systems, 2020, 111, 780-785.	7.5	18
5	An extensible Django-based web portal for Apache Airavata. , 2020, , .		8
6	Custos: Security Middleware for Science Gateways. , 2020, , .		3
7	TopPIC Gateway: A Web Gateway for Top-Down Mass Spectrometry Data Interpretation. , 2020, , .		0
8	Toward Interoperable Cyberinfrastructure: Common Descriptions for Computational Resources and Applications. , 2020, , .		0
9	Integrating Science Gateways with Secure Cloud Computing Resources: An Examination of Two Deployment Patterns and Their Requirements. , 2020, , .		0
10	InterACTWEL Science Gateway for Adaptation Planning in Food-Energy-Water Sectors of Local Communities. , 2019, , .		2
11	The USD Science Gateway. , 2019, , .		0
12	Implementing a Flexible, Fault Tolerant Job Management System for Science Gateways. , 2019, , .		3
13	Experiences from scaling scale Science Gateway operations. , 2019, , .		1
14	The Distant Reader. , 2019, , .		1
15	LSU Computational System Biology Gateway for Education. , 2019, , .		4
16	Simplifying Access to Campus Resources at Southern Illinois University with a Science Gateway. , 2018, , .		0
17	The CSBG - LSU Gateway. , 2018, , .		0
18	Building a Science Gateway For Processing and Modeling Sequencing Data Via Apache Airavata. , 2018, 2018, .		4

#	ARTICLE	IF	CITATIONS
19	Supporting Science Gateways Using Apache Airavata and SciGaP Services. , 2018, , .		22
20	A New Science Gateway to Provide Decision Support on Carbon Capture and Storage Technologies. , 2018, , .		2
21	Science Gateway Implementation at the University of South Dakota. , 2018, , .		1
22	Using a Science Gateway to Deliver SimVascular Software as a Service for Classroom Instruction. , 2018, , .		1
23	PHASTA Science Gateway for High Performance Computational Fluid Dynamics. , 2018, , .		4
24	Using the Jetstream Research Cloud to Provide Science Gateway Resources. , 2017, , .		6
25	Science Gateways Incubator: Software Sustainability Meets Community Needs. , 2017, , .		2
26	Apache Airavata Sharing Service. , 2017, , .		16
27	GSoC 2015 student contributions to GenApp and Airavata. Concurrency Computation Practice and Experience, 2016, 28, 1960-1970.	2.2	3
28	Integrating Apache Airavata with Docker, Marathon, and Mesos. Concurrency Computation Practice and Experience, 2016, 28, 1952-1959.	2.2	19
29	Apache Airavata security manager: Authentication and authorization implementations for a multi-tenant escience framework. , 2016, , .		8
30	Anatomy of the SEAGrid Science Gateway. , 2016, , .		2
31	Community Science Exemplars in SEAGrid Science Gateway: Apache Airavata Based Implementation of Advanced Infrastructure. Procedia Computer Science, 2016, 80, 1927-1939.	2.0	66
32	Science gateways today and tomorrow: positive perspectives of nearly 5000 members of the research community. Concurrency Computation Practice and Experience, 2015, 27, 4252-4268.	2.2	75
33	The GenApp framework integrated with Airavata for managed compute resource submissions. Concurrency Computation Practice and Experience, 2015, 27, 4292-4303.	2.2	11
34	Apache Airavata: design and directions of a science gateway framework. Concurrency Computation Practice and Experience, 2015, 27, 4282-4291.	2.2	38
35	Apache Airavata as a Laboratory. , 2015, , .		14
36	Authentication and Authorization Considerations for a Multi-tenant Service. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
37	Advancements of the UltraScan scientific gateway for open standardsâ€based cyberinfrastructures. Concurrency Computation Practice and Experience, 2014, 26, 2280-2291.	2.2	9
38	A Credential Store for Multi-tenant Science Gateways. , 2014, , .		16
39	Apache Airavata: Design and Directions of a Science Gateway Framework. , 2014, , .		27
40	The Apache Airavata Application Programming Interface: Overview and Evaluation with the UltraScan Science Gateway. , 2014, , .		29
41	GenApp Module Execution and Airavata Integration. , 2014, , .		2
42	Improvements of the UltraScan scientific gateway to enable computational jobs on large-scale and open-standards based cyberinfrastructures. , 2013, , .		4
43	US-SOMO cluster methods. , 2013, , .		2
44	Designing a road map for geoscience workflows. Eos, 2012, 93, 225-226.	0.1	12
45	Ultrascan solution modeler. , 2012, , .		7
46	BioVLAB-MMIA: A Reconfigurable Cloud Computing Environment for microRNA and mRNA Integrated Analysis. , 2011, , .		0
47	UltraScan gateway enhancements. , 2011, , .		3
48	Transitioning BioVLab cloud workbench to a science gateway. , 2011, , .		1
49	Distributed web security for science gateways. , 2011, , .		7
50	Apache airavata. , 2011, , .		115
51	Open community development for science gateways with apache rave. , 2011, , .		4
52	Molecular parameter optimization gateway (ParamChem). , 2011, , .		13
53	Open grid computing environments. , 2010, , .		20
54	Integrating chemistry scholarship with web architectures, grid computing and semantic web. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
55	Rationalizing police patrol beats using Voronoi Tessellations. , 2010, , .		5
56	BioVLAB. , 2010, , 309-327.		1
57	Experience with adapting aWS-BPELruntime for eScience workflows. , 2009, , .		8
58	Application of Management Frameworks to Manage Workflow-Based Systems: A Case Study on a Large Scale E-science Project. , 2009, , .		4
59	Open Grid Computing Environment's Workflow Suite for E-Science Projects. , 2008, , .		1
60	Monitoring and Managing E-Science Cyber-Infrastructures: A Case Study. , 2008, , .		2
61	Programming Paradigms for Scientific Problem Solving Environments. , 2007, , 3-15.		3
62	The LEAD Portal: a TeraGrid gateway and application service architecture. Concurrency Computation Practice and Experience, 2007, 19, 767-781.	2.2	34
63	Dynamic, Adaptive Workflows for Mesoscale Meteorology. , 2007, , 126-142.		8