

# Suresh Marru

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5446174/publications.pdf>

Version: 2024-02-01

63  
papers

680  
citations

1163117

8  
h-index

1372567

10  
g-index

63  
all docs

63  
docs citations

63  
times ranked

603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Apache airavata. , 2011, , .		115
2	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
3	Community Science Exemplars in SEAGrid Science Gateway: Apache Airavata Based Implementation of Advanced Infrastructure. Procedia Computer Science, 2016, 80, 1927-1939.	2.0	66
4	Apache Airavata: design and directions of a science gateway framework. Concurrency Computation Practice and Experience, 2015, 27, 4282-4291.	2.2	38
5	The LEAD Portal: a TeraGrid gateway and application service architecture. Concurrency Computation Practice and Experience, 2007, 19, 767-781.	2.2	34
6	The Apache Airavata Application Programming Interface: Overview and Evaluation with the UltraScan Science Gateway. , 2014, , .		29
7	Apache Airavata: Design and Directions of a Science Gateway Framework. , 2014, , .		27
8	Supporting Science Gateways Using Apache Airavata and SciGaP Services. , 2018, , .		22
9	Open grid computing environments. , 2010, , .		20
10	Integrating Apache Airavata with Docker, Marathon, and Mesos. Concurrency Computation Practice and Experience, 2016, 28, 1952-1959.	2.2	19
11	Managing authentication and authorization in distributed science gateway middleware. Future Generation Computer Systems, 2020, 111, 780-785.	7.5	18
12	A Credential Store for Multi-tenant Science Gateways. , 2014, , .		16
13	Apache Airavata Sharing Service. , 2017, , .		16
14	Apache Airavata as a Laboratory. , 2015, , .		14
15	Molecular parameter optimization gateway (ParamChem). , 2011, , .		13
16	Designing a road map for geoscience workflows. Eos, 2012, 93, 225-226.	0.1	12
17	The GenApp framework integrated with Airavata for managed compute resource submissions. Concurrency Computation Practice and Experience, 2015, 27, 4292-4303.	2.2	11
18	Advancements of the UltraScan scientific gateway for open standards-based cyberinfrastructures. Concurrency Computation Practice and Experience, 2014, 26, 2280-2291.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Experience with adapting aWS-BPELruntime for eScience workflows. , 2009, , .		8
20	Apache Airavata security manager: Authentication and authorization implementations for a multi-tenant escience framework. , 2016, , .		8
21	Dynamic, Adaptive Workflows for Mesoscale Meteorology. , 2007, , 126-142.		8
22	An extensible Django-based web portal for Apache Airavata. , 2020, , .		8
23	Distributed web security for science gateways. , 2011, , .		7
24	Ultrascan solution modeler. , 2012, , .		7
25	Authentication and Authorization Considerations for a Multi-tenant Service. , 2015, , .		6
26	Using the Jetstream Research Cloud to Provide Science Gateway Resources. , 2017, , .		6
27	Rationalizing police patrol beats using Voronoi Tessellations. , 2010, , .		5
28	Application of Management Frameworks to Manage Workflow-Based Systems: A Case Study on a Large Scale E-science Project. , 2009, , .		4
29	Open community development for science gateways with apache rave. , 2011, , .		4
30	Building a Science Gateway For Processing and Modeling Sequencing Data Via Apache Airavata. , 2018, 2018, .		4
31	PHASTA Science Gateway for High Performance Computational Fluid Dynamics. , 2018, , .		4
32	LSU Computational System Biology Gateway for Education. , 2019, , .		4
33	Improvements of the UltraScan scientific gateway to enable computational jobs on large-scale and open-standards based cyberinfrastructures. , 2013, , .		4
34	Programming Paradigms for Scientific Problem Solving Environments. , 2007, , 3-15.		3
35	UltraScan gateway enhancements. , 2011, , .		3
36	GSoC 2015 student contributions to GenApp and Airavata. Concurrency Computation Practice and Experience, 2016, 28, 1960-1970.	2.2	3

#	ARTICLE	IF	CITATIONS
37	Implementing a Flexible, Fault Tolerant Job Management System for Science Gateways. , 2019, , .		3
38	Custos: Security Middleware for Science Gateways. , 2020, , .		3
39	Monitoring and Managing E-Science Cyber-Infrastructures: A Case Study. , 2008, , .		2
40	GenApp Module Execution and Airavata Integration. , 2014, , .		2
41	Anatomy of the SEAGrid Science Gateway. , 2016, , .		2
42	Science Gateways Incubator: Software Sustainability Meets Community Needs. , 2017, , .		2
43	A New Science Gateway to Provide Decision Support on Carbon Capture and Storage Technologies. , 2018, , .		2
44	InterACTWEL Science Gateway for Adaptation Planning in Food-Energy-Water Sectors of Local Communities. , 2019, , .		2
45	US-SOMO cluster methods. , 2013, , .		2
46	Open Grid Computing Environment's Workflow Suite for E-Science Projects. , 2008, , .		1
47	Integrating chemistry scholarship with web architectures, grid computing and semantic web. , 2010, , .		1
48	Transitioning BioVLab cloud workbench to a science gateway. , 2011, , .		1
49	Science Gateway Implementation at the University of South Dakota. , 2018, , .		1
50	Using a Science Gateway to Deliver SimVascular Software as a Service for Classroom Instruction. , 2018, , .		1
51	Experiences from scaling scale Science Gateway operations. , 2019, , .		1
52	The Distant Reader. , 2019, , .		1
53	User-Centric Design and Evolvable Architecture for Science Gateways: A Case Study. , 2021, , .		1
54	BioVLAB. , 2010, , 309-327.		1

#	ARTICLE	IF	CITATIONS
55	Custos Secrets: a Service for Managing User-Provided Resource Credential Secrets for Science Gateways. , 2022, , .		1
56	BioVLAB-MMIA: A Reconfigurable Cloud Computing Environment for microRNA and mRNA Integrated Analysis. , 2011, , .		0
57	Simplifying Access to Campus Resources at Southern Illinois University with a Science Gateway. , 2018, , .		0
58	The CSBG - LSU Gateway. , 2018, , .		0
59	The USD Science Gateway. , 2019, , .		0
60	Common Resource Descriptions for Interoperable Gateway Cyberinfrastructure. , 2021, , .		0
61	TopPIC Gateway: A Web Gateway for Top-Down Mass Spectrometry Data Interpretation. , 2020, , .		0
62	Toward Interoperable Cyberinfrastructure: Common Descriptions for Computational Resources and Applications. , 2020, , .		0
63	Integrating Science Gateways with Secure Cloud Computing Resources: An Examination of Two Deployment Patterns and Their Requirements. , 2020, , .		0