Sandro Fiore

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6429642/publications.pdf

Version: 2024-02-01

77 papers	1,295 citations	687363 13 h-index	395702 33 g-index
80 all docs	80 docs citations	80 times ranked	1567 citing authors

#	Article	IF	Citations
1	Enabling dynamic and intelligent workflows for HPC, data analytics, and AI convergence. Future Generation Computer Systems, 2022, 134, 414-429.	7.5	17
2	Coordinating an operational data distribution network for CMIP6 data. Geoscientific Model Development, 2021, 14, 629-644.	3.6	38
3	Towards HPC and Big Data Analytics Convergence: Design and Experimental Evaluation of a HPDA Framework for eScience at Scale. IEEE Access, 2021, 9, 73307-73326.	4.2	10
4	A multi-model architecture based on Long Short-Term Memory neural networks for multi-step sea level forecasting. Future Generation Computer Systems, 2021, 124, 1-9.	7.5	10
5	An Integrated Big and Fast Data Analytics Platform for Smart Urban Transportation Management. IEEE Access, 2019, 7, 117652-117677.	4.2	42
6	BIGSEA: A Big Data analytics platform for public transportation information. Future Generation Computer Systems, 2019, 96, 243-269.	7.5	23
7	BioClimate: A Science Gateway for Climate Change and Biodiversity research in the EUBrazilCloudConnect project. Future Generation Computer Systems, 2019, 94, 895-909.	7.5	4
8	Towards High Performance Data Analytics for Climate Change. Lecture Notes in Computer Science, 2019, , 240-257.	1.3	2
9	Towards an Open (Data) Science Analytics-Hub for Reproducible Multi-Model Climate Analysis at Scale. , 2018, , .		5
10	A Re-Identification Risk-Based Anonymization Framework for Data Analytics Platforms. , 2018, , .		2
11	INDIGO-DataCloud: a Platform to Facilitate Seamless Access to E-Infrastructures. Journal of Grid Computing, 2018, 16, 381-408.	3.9	58
12	On the Use of In-memory Analytics Workflows to Compute eScience Indicators from Large Climate Datasets. , 2017, , .		2
13	Big Data Analytics on Large-Scale Scientific Datasets in the INDIGO-DataCloud Project. , 2017, , .		8
14	SeaConditions: a web and mobile service for safer professional and recreational activities in the Mediterranean Sea. Natural Hazards and Earth System Sciences, 2017, 17, 533-547.	3.6	8
15	A multi-service data management platform for scientific oceanographic products. Natural Hazards and Earth System Sciences, 2017, 17, 171-184.	3.6	2
16	Distributed and cloud-based multi-model analytics experiments on large volumes of climate change data in the earth system grid federation eco-system. , 2016, , .		7
17	New advances in High Performance Computing and simulation: parallel and distributed systems, algorithms, and applications. Concurrency Computation Practice and Experience, 2016, 28, 2024-2030.	2.2	6
18	A spatial data analysis infrastructure for environmental health research. , 2016, , .		2

#	Article	IF	Citations
19	An in-memory based framework for scientific data analytics. , 2016, , .		11
20	Two-level Dynamic Workflow Orchestration in the INDIGO DataCloud for Large-scale, Climate Change Data Analytics Experiments. Procedia Computer Science, 2016, 80, 722-733.	2.0	3
21	EUBrazilCC Federated Cloud. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2016, , 220-251.	0.5	0
22	Recent developments in highâ€performance computing and simulation: distributed systems, architectures, algorithms, and applications. Concurrency Computation Practice and Experience, 2015, 27, 2191-2195.	2.2	1
23	The OFIDIA Fire Danger Rating System. , 2015, , .		1
24	SeaConditions: Present and future sea conditions for safer navigation (www.sea-conditions.com). , 2015, , .		3
25	A workflow-enabled big data analytics software stack for escience. , 2015, , .		11
26	Big data analytics for climate change and biodiversity in the EUBrazilCC federated cloud infrastructure. , 2015, , .		6
27	The Earth System Grid Federation: An open infrastructure for access to distributed geospatial data. Future Generation Computer Systems, 2014, 36, 400-417.	7.5	165
28	Ophidia: A full software stack for scientific data analytics. , 2014, , .		12
29	Ophidia: Toward Big Data Analytics for eScience. Procedia Computer Science, 2013, 18, 2376-2385.	2.0	45
30	High performance computing and simulation: architectures, systems, algorithms, technologies, services, and applications. Concurrency Computation Practice and Experience, 2013, 25, 1313-1318.	2.2	3
31	A big data analytics framework for scientific data management. , 2013, , .		14
32	Topic 5: Parallel and Distributed Data Management. Lecture Notes in Computer Science, 2013, , 215-215.	1.3	0
33	The Earth System Grid Federation: An open infrastructure for access to distributed geospatial data. , 2012, , .		19
34	Special Issue on Advances in High Performance Computing andâ€‰Simulation. Concurrency Computation Practice and Experience, 2012, 24, 661-662.	2.2	1
35	The Climate-G Portal: The context, key features and a multi-dimensional analysis. Future Generation Computer Systems, 2012, 28, 1-8.	7.5	8
36	An Architectural Overview of the GRelC Data Access Service. , 2012, , 517-527.		2

#	Article	IF	Citations
37	The International Exascale Software Project roadmap. International Journal of High Performance Computing Applications, 2011, 25, 3-60.	3.7	495
38	The Climate-G testbed: towards large scale distributed data management for climate change. Procedia Computer Science, 2011, 4, 567-576.	2.0	0
39	The data access layer in the GRelC system architecture. Future Generation Computer Systems, 2011, 27, 334-340.	7.5	13
40	Special section: Data management for eScience. Future Generation Computer Systems, 2011, 27, 290-291.	7.5	13
41	The GRelC Project: From 2001 to 2011, 10 Years Working on Grid-DBMSs. , 2011, , 51-62.		1
42	Towards Exascale Distributed Data Management. International Journal of High Performance Computing Applications, 2009, 23, 398-400.	3.7	17
43	Data issues at the Euro-Mediterranean Centre for Climate Change. Earth Science Informatics, 2009, 2, 23-35.	3.2	3
44	Near real-time parallel processing and advanced data management of SAR images in grid environments. Journal of Real-Time Image Processing, 2009, 4, 219-227.	3.5	5
45	An Architectural Overview of the GRelC Data Access Service. , 2009, , 98-108.		3
46	ProGenGrid. , 2009, , 269-291.		0
47	A Bioinfomatics Grid Alignment Toolkit. Future Generation Computer Systems, 2008, 24, 752-762.	7.5	14
48	Advances in the GRelC Data Access Service. , 2008, , .		6
49	A GRelC based Data Grid Management Environment. , 2008, , .		4
50	The GRelC Portal: A Ubiquitous and Seamless Way to Manage Grid Databases. , 2008, , .		4
51	A Grid-Based Bioinformatics Wrapper for Biological Databases. , 2008, , .		4
52	iGRelC: A Dashboard Implementation for Grid Environments. , 2008, , .		1
53	The GSI Plug-In for gSOAP: Building Cross-Grid Interoperable Secure Grid Services. Lecture Notes in Computer Science, 2008, , 894-901.	1.3	3
54	A protein structure prediction service in the ProGenGrid system. Studies in Health Technology and Informatics, 2008, 138, 135-46.	0.3	0

#	Article	IF	Citations
55	Euro-Mediterranean Centre for Climate Change Data Grid. , 2008, , 63-76.		1
56	GRelC data gather service. , 2007, , .		8
57	A Grid System for the Ingestion of Biological Data into a Relational DBMS. , 2007, , .		1
58	GRelC Data Storage: A Lightweight Disk Storage Management Solution for Bioinformatics "in silico" Experiments. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	2
59	GRelC DAS: A Grid-DB Access Service for gLite Based Production Grids. , 2007, , .		5
60	A Grid-Enabled Protein Secondary Structure Predictor. IEEE Transactions on Nanobioscience, 2007, 6, 124-130.	3.3	8
61	The Grid Resource Broker portal. Concurrency Computation Practice and Experience, 2007, 19, 1663-1670.	2.2	22
62	Advanced Grid DataBase Management with the GRelC Data Access Service. Lecture Notes in Computer Science, 2007, , 683-694.	1.3	10
63	High Throughput Protein Similarity Searches in the LIBI Grid Problem Solving Environment. Lecture Notes in Computer Science, 2007, , 414-423.	1.3	1
64	A services oriented system for bioinformatics applications on the grid. Studies in Health Technology and Informatics, 2007, 126, 174-83.	0.3	1
65	A Split & Merge Data Management Architecture for a Grid Environment. , 2006, , .		4
66	A semantic grid-based data access and integration service for bioinformatics. , 2005, , .		2
67	Resource and Service Discovery in the iGrid Information Service. Lecture Notes in Computer Science, 2005, , 1-9.	1.3	15
68	iGrid, a Novel Grid Information Service. Lecture Notes in Computer Science, 2005, , 506-515.	1.3	12
69	A grid-based architecture for earth observation data access. , 2005, , .		4
70	Progengrid: A Grid Framework for Bioinformatics. , 2005, , 1-9.		3
71	ProGenGrid: a grid-enabled platform for bioinformatics. Studies in Health Technology and Informatics, 2005, 112, 113-26.	0.3	3
72	Advanced delivery mechanisms in the GRelC project. , 2004, , .		7

#	Article	IF	Citations
73	The GRelC library: a basic pillar in the grid relational catalog architecture. , 2004, , .		5
74	A grid environment for diesel engine chamber optimization. Advances in Parallel Computing, 2004, , 599-607.	0.3	3
75	Dynamic Grid Catalog Information Service. Lecture Notes in Computer Science, 2004, , 198-205.	1.3	5
76	Web services for a biomedical imaging portal. , 0, , .		3
77	ProGenGrid: A Workflow Service Infrastructure for Composing and Executing Bioinformatics Grid Services. , 0, , .		13