Adam Belloum

List of Publications by Year
in descending order

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75 papers	704 citations	687363 13 h-index	713466 21 g-index
77 all docs	77 docs citations	77 times ranked	557 citing authors

#	Article	IF	Citations
1	The distributed ASCI Supercomputer project. Operating Systems Review (ACM), 2000, 34, 76-96.	1.9	80
2	Execution time estimation for workflow scheduling. Future Generation Computer Systems, 2017, 75, 376-387.	7.5	62
3	matchms - processing and similarity evaluation of mass spectrometry data.. Journal of Open Source Software, 2020, 5, 2411.	4.6	48
4	Collaborative e-Science Experiments and Scientific Workflows. IEEE Internet Computing, 2011, 15, 39-47.	3.3	46
5	EDISON Data Science Framework: A Foundation for Building Data Science Profession for Research and Industry. , 2016, , .		33
6	Distributed Computing on an Ensemble of Browsers. IEEE Internet Computing, 2013, 17, 54-61.	3.3	24
7	WS-VLAM. , 2007, , .		21
8	VLAM-G: a grid-based virtual laboratory. Future Generation Computer Systems, 2003, 19, 209-217.	7.5	20
9	SDN-aware federation of distributed data. Future Generation Computer Systems, 2016, 56, 64-76.	7.5	18
10	VLAM-G: Interactive Data Driven Workflow Engine for Grid-Enabled Resources. Scientific Programming, 2007, 15, 173-188.	0.7	16
11	Special section on workflow systems and applications in e-Science. Future Generation Computer Systems, 2009, 25, 525-527.	7.5	16
12	Distributed execution of aggregated multi domain workflows using an agent framework. , 2007, , .		15
13	Using Jade agent framework to prototype an e-Science workflow bus. , 2007, , .		15
14	Toward Executable Scientï¬c Publications. Procedia Computer Science, 2011, 4, 707-715.	2.0	15
15	New Instructional Models for Building Effective Curricula on Cloud Computing Technologies and Engineering. , 2013, , .		15
16	VLE-WFBus: A Scientific Workflow Bus for Multi e-Science Domains. , 2006, , .		14
17	Agnostic Informatics System of Systems: The Open ISoS Services Framework. IFIP Advances in Information and Communication Technology, 2017, , 407-420.	0.7	14
18	Enabling Web Services to Consume and Produce Large Datasets. IEEE Internet Computing, 2012, 16, 52-60.	3.3	13

#	Article	IF	Citations
19	Data transport between visualization web services for medical image analysis. Procedia Computer Science, 2010, 1, 1727-1736.	2.0	12
20	Applying workflow as a service paradigm to application farming. Concurrency Computation Practice and Experience, 2014, 26, 1297-1312.	2.2	11
21	Constructing Workflows from Script Applications. Scientific Programming, 2012, 20, 359-377.	0.7	10
22	WS-VLAM: A GT4 Based Workflow Management System. Lecture Notes in Computer Science, 2007, , 191-198.	1.3	10
23	AMOS: Using the Cloud for On-Demand Execution of e-Science Applications. , 2010, , .		9
24	On Reliable Collaborative Mobility Services. IFIP Advances in Information and Communication Technology, 2018, , 297-311.	0.7	8
25	Bridging the demand and the offer in data science. Concurrency Computation Practice and Experience, 2019, 31, e5200.	2.2	8
26	Dealing with one-timer-documents in Web caching. , 0, , .		7
27	The VLAM-G Abstract Machine: A Data and Process Handling System on the Grid. Lecture Notes in Computer Science, 2001, , 81-93.	1.3	7
28	Distributed Data Management Service for VPH Applications. IEEE Internet Computing, 2016, 20, 34-41.	3.3	6
29	Document replacement policies dedicated to Web caching. , 0, , .		5
30	Concurrent Evaluation of Web Cache Replacement and Coherence Strategies. Simulation, 2002, 78, 28-35.	1.8	5
31	Agent technology and scientific workflow management in an e-science environment. , 2005, , .		5
32	Virtual Lab for fMRI: Bridging the Usability Gap. , 2006, , .		5
33	SigWin-detector: a Grid-enabled workflow for discovering enriched windows of genomic features related to DNA sequences. BMC Research Notes, 2008, 1, 63.	1.4	5
34	Provenance opportunities for WS-VLAM. , 2011, , .		5
35	Quantitative and Qualitative Analysis of Current Data Science Programs from Perspective of Data Science Competence Groups and Framework. , 2016, , .		5
36	Scientific workflow management: between generality and applicability. , 0, , .		4

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37	Scientific Workflows. Scientific Programming, 2006, 14, 171-171.	0.7	4
38	Network Resource Control for Grid Workflow Management Systems. , 2010, , .		4
39	HisT/PLIER: A Two-Fold Provenance Approach for Grid-Enabled Scientific Workflows Using WS-VLAM. , 2011, , .		4
40	<scp>OIntEd</scp>: online ontology instance editor enabling a new approach to ontology development. Software - Practice and Experience, 2013, 43, 1319-1335.	3.6	4
41	MapReduce Operations with WS-VLAM Workflow Management System. Procedia Computer Science, 2013, 18, 2599-2602.	2.0	4
42	Experience of Profiling Curricula on Cloud Computing Technologies and Engineering for Different Target Groups. , 2014, , .		4
43	Towards a Mobility Payment Service Based on Collaborative Open Systems. IFIP Advances in Information and Communication Technology, 2019, , 379-392.	0.7	4
44	Evaluating the VLAM-G toolkit on the DAS-2. Future Generation Computer Systems, 2003, 19, 815-824.	7.5	3
45	Dynamic Work.ow in a Grid Enabled Problem Solving Environment. , 2005, , .		3
46	An Agent-based Resource Management for a Service-Oriented Telecare Environment. , 2007, , .		3
47	Dynamic Handling for Cooperating Scientific Web Services. , 2011, , .		3
48	Automata-Based Dynamic Data Processing for Clouds. Lecture Notes in Computer Science, 2014, , 93-104.	1.3	3
49	Towards a data processing plane: An automata-based distributed dynamic data processing model. Future Generation Computer Systems, 2016, 59, 21-32.	7.5	3
50	Cloud Data Federation for Scientific Applications. Lecture Notes in Computer Science, 2014, , 13-22.	1.3	3
51	Generating Scientific Documentation for Computational Experiments Using Provenance. Lecture Notes in Computer Science, 2015, , 168-179.	1.3	3
52	Interactive Workflows in a Virtual Laboratory for e-Bioscience: The SigWin-Detector Tool for Gene Expression Analysis. , 2006, , .		2
53	Improving Automatic Data Structure Generation for e-Science Applications. , 2006, , .		2
54	Problem Solving Environment for Medical Image Analysis. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	2

#	Article	IF	Citations
55	Enabling Data Transport between Web Services through alternative protocols and Streaming. , 2008, , .		2
56	A Framework for Interactive Parameter Sweep Applications. Lecture Notes in Computer Science, 2008, , 481-490.	1.3	2
57	Agent Technology and Generic Workflow Management in an e-Science Environment. Lecture Notes in Computer Science, 2005, , 480-485.	1.3	2
58	VL-E: Approaches to Design a Grid-Based Virtual Laboratory. , 2005, , 21-28.		2
59	Hydrologie agricole en AlgÃ©rieâ€"une double problÃ©matique. Hydrological Sciences Journal, 1993, 38, 479-495.	2.6	1
60	A history-tracing XML-based provenance framework for workflows. , 2010, , .		1
61	Workflow as a service. , 2012, , .		1
62	Towards an Operating System for Intercloud. , 2013, , .		1
63	Beyond Scientific Workflows: Networked Open Processes. , 2013, , .		1
64	Cookery: A framework for developing cloud applications. , 2015, , .		1
65	Cookery: A Framework for Creating Data Processing Pipeline Using Online Services. , 2018, , .		1
66	Towards a New Paradigm for Programming Scientific Workflows. , 2019, , .		1
67	New approach to allocation planning of manyâ€task workflows on clouds. Concurrency Computation Practice and Experience, 2020, 32, e5404.	2.2	1
68	Support for Cooperative Experiments in VL-e: From Scientific Workflows to Knowledge Sharing. , 2008, , .		0
69	A Framework for Interactive Parameter Sweep Applications. , 2008, , .		0
70	Towards an actor-driven workflow management system for grids. , 2010, , .		0
71	gSLM. , 2014, , .		0
72	Data and process abstractions for cloud computing. , 2015, , .		0

#	Article	IF	Citations
73	International Workshop on Applications of Workflows in Computational Science (AWCS 08). Lecture Notes in Computer Science, 2008, , 459-462.	1.3	0
74	Actor-Driven Workflow Execution in Distributed Environments. Lecture Notes in Computer Science, 2011, , 287-294.	1.3	0
75	Collaborative Trusted Digital Services for Citizens. IFIP Advances in Information and Communication Technology, 2021, , 212-223.	0.7	0