

Daniel Cardoso Moraes de Oliveira

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

1,258
citations

567281

15
h-index

526287

27
g-index

110
all docs

110
docs citations

110
times ranked

898
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards optimizing the execution of spark scientific workflows using machine learning-based parameter tuning. Concurrency Computation Practice and Experience, 2021, 33, e5972.	2.2	6
2	An incremental reinforcement learning scheduling strategy for data-intensive scientific workflows in the cloud. Concurrency Computation Practice and Experience, 2021, 33, e6193.	2.2	0
3	Distributed in-memory data management for workflow executions. PeerJ Computer Science, 2021, 7, e527.	4.5	2
4	Provenance-and machine learning-based recommendation of parameter values in scientific workflows. PeerJ Computer Science, 2021, 7, e606.	4.5	0
5	Cache-aware scheduling of scientific workflows in a multisite cloud. Future Generation Computer Systems, 2021, 122, 172-186.	7.5	3
6	Provenance Supporting Hyperparameter Analysis in Deep Neural Networks. Lecture Notes in Computer Science, 2021, , 20-38.	1.3	3
7	BioProv - A provenance library for bioinformatics workflows. Journal of Open Source Software, 2021, 6, 3622.	4.6	1
8	Provenance-based fault tolerance technique recommendation for cloud-based scientific workflows: a practical approach. Cluster Computing, 2020, 23, 123-148.	5.0	11
9	Adding domain data to code profiling tools to debug workflow parallel execution. Future Generation Computer Systems, 2020, 110, 422-439.	7.5	2
10	A superpixel-driven deep learning approach for the analysis of dermatological wounds. Computer Methods and Programs in Biomedicine, 2020, 183, 105079.	4.7	27
11	OLAP parallel query processing in clouds with ParGRES. Concurrency Computation Practice and Experience, 2020, 32, e5590.	2.2	2
12	DfAnalyzer: Runtime dataflow analysis tool for Computational Science and Engineering applications. SoftwareX, 2020, 12, 100592.	2.6	9
13	BioinfoPortal: A scientific gateway for integrating bioinformatics applications on the Brazilian national high-performance computing network. Future Generation Computer Systems, 2020, 107, 192-214.	7.5	7
14	Capturing and Analyzing Provenance from Spark-based Scientific Workflows with SAMBA-RaP. Future Generation Computer Systems, 2020, 112, 658-669.	7.5	11
15	Some Branches May Bear Rotten Fruits: Diversity Browsing VP-Trees. Lecture Notes in Computer Science, 2020, , 140-154.	1.3	1
16	Towards Failure Prediction in Scientific Workflows Using Stochastic Petri Nets and Dynamic Logic. Communications in Computer and Information Science, 2020, , 449-456.	0.5	0
17	Distributed Caching of Scientific Workflows in Multisite Cloud. Lecture Notes in Computer Science, 2020, , 51-65.	1.3	4
18	A Classification of de Bruijn Graph Approaches for De Novo Fragment Assembly. Lecture Notes in Computer Science, 2020, , 1-12.	1.3	0

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19	Performance Evaluation of Parallel Inference of Large Phylogenetic Trees in Santos Dumont Supercomputer: A Practical Approach. Communications in Computer and Information Science, 2020, , 448-463.	0.5	0
20	Efficient Execution of Scientific Workflows in the Cloud Through Adaptive Caching. Lecture Notes in Computer Science, 2020, , 41-66.	1.3	0
21	Experiencing DfAnalyzer for Runtime Analysis of Phylogenomic Dataflows. Lecture Notes in Computer Science, 2020, , 105-116.	1.3	0
22	Provenance Analytics for Workflow-Based Computational Experiments. ACM Computing Surveys, 2019, 51, 1-25.	23.0	18
23	Towards a Science Gateway for Bioinformatics: Experiences in the Brazilian System of High Performance Computing. , 2019, , .		1
24	A Reinforcement Learning Scheduling Strategy for Parallel Cloud-Based Workflows. , 2019, , .		8
25	A Two-Phase Learning Approach for the Segmentation of Dermatological Wounds. , 2019, , .		3
26	Polyflow. , 2019, , .		5
27	ArrOW: Experiencing a Parallel Cloud-Based De Novo Assembler Workflow. , 2019, , .		0
28	A provenance-based heuristic for preserving results confidentiality in cloud-based scientific workflows. Future Generation Computer Systems, 2019, 97, 697-713.	7.5	4
29	Adaptive Caching for Data-Intensive Scientific Workflows in the Cloud. Lecture Notes in Computer Science, 2019, , 452-466.	1.3	14
30	A “Skyband Approach for Feature Selection. Lecture Notes in Computer Science, 2019, , 160-168.	1.3	2
31	Eeny Meeny Miny Moe: Choosing the Fault Tolerance Technique for my Cloud Workflow. Communications in Computer and Information Science, 2018, , 321-336.	0.5	2
32	A Practical Roadmap for Provenance Capture and Data Analysis in Spark-Based Scientific Workflows. , 2018, , .		8
33	Exploring Diversified Similarity with Kundaha. , 2018, , .		3
34	Towards Safer (Smart) Cities: Discovering Urban Crime Patterns Using Logic-based Relational Machine Learning. , 2018, , .		6
35	Capturing Provenance for Runtime Data Analysis in Computational Science and Engineering Applications. Lecture Notes in Computer Science, 2018, , 183-187.	1.3	4
36	Dfanalyzer. Proceedings of the VLDB Endowment, 2018, 11, 2082-2085.	3.8	15

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37	Raw data queries during data-intensive parallel workflow execution. Future Generation Computer Systems, 2017, 75, 402-422.	7.5	20
38	Oh Gosh!! Why is this game so hard? Identifying cycle patterns in 2D platform games using provenance data. Entertainment Computing, 2017, 19, 65-81.	2.9	4
39	Managing Provenance of Implicit Data Flows in Scientific Experiments. ACM Transactions on Internet Technology, 2017, 17, 1-22.	4.4	3
40	Deriving scientific workflows from algebraic experiment lines: A practical approach. Future Generation Computer Systems, 2017, 68, 111-127.	7.5	3
41	Towards preserving results confidentiality in cloud-based scientific workflows. , 2017, , .		0
42	Clouds and Reproducibility: A Way to Go to Scientific Experiments?. Computer Communications and Networks, 2017, , 127-151.	0.8	3
43	Mirror Mirror on the Wall, How Do I Dimension My Cloud After All?. Computer Communications and Networks, 2017, , 27-58.	0.8	1
44	A Systematic Mapping of Software Requirements Negotiation Techniques. , 2017, , .		1
45	Enhancing Energy Production with Exascale HPC Methods. Communications in Computer and Information Science, 2017, , 233-246.	0.5	0
46	Analyzing related raw data files through dataflows. Concurrency Computation Practice and Experience, 2016, 28, 2528-2545.	2.2	10
47	A Dynamic Cloud Dimensioning Approach for Parallel Scientific Workflows: a Case Study in the Comparative Genomics Domain. Journal of Grid Computing, 2016, 14, 443-461.	3.9	5
48	Multi-objective scheduling of Scientific Workflows in multisite clouds. Future Generation Computer Systems, 2016, 63, 76-95.	7.5	46
49	Analyzing Provenance Across Heterogeneous Provenance Graphs. Lecture Notes in Computer Science, 2016, , 57-70.	1.3	9
50	Dynamic steering of HPC scientific workflows: A survey. Future Generation Computer Systems, 2015, 46, 100-113.	7.5	46
51	Data Analytics in Bioinformatics: Data Science in Practice for Genomics Analysis Workflows. , 2015, , .		6
52	Running Multi-relational Data Mining Processes in the Cloud: A Practical Approach for Social Networks. Communications in Computer and Information Science, 2015, , 3-18.	0.5	0
53	Handling flash-crowd events to improve the performance of web applications. , 2015, , .		8
54	Optimizing virtual machine allocation for parallel scientific workflows in federated clouds. Future Generation Computer Systems, 2015, 46, 51-68.	7.5	46

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55	Towards Supporting Provenance Gathering and Querying in Different Database Approaches. Lecture Notes in Computer Science, 2015, , 254-257.	1.3	3
56	Experiencing PROV-Wf for Provenance Interoperability in SWfMSs. Lecture Notes in Computer Science, 2015, , 294-296.	1.3	3
57	Exploiting the Parallel Execution of Homology Workflow Alternatives in HPC Compute Clouds. Lecture Notes in Computer Science, 2015, , 336-350.	1.3	1
58	Evaluating Grasp-based cloud dimensioning for comparative genomics: A practical approach. , 2014, , .		8
59	Exploratory Analysis of Raw Data Files through Dataflows. , 2014, , .		5
60	Evaluation between humans and affective NPC in digital gaming scenario. , 2014, , .		0
61	Towards an Adaptive and Distributed Architecture for Managing Workflow Provenance Data. , 2014, , .		6
62	Exploring Large Scale Receptor-Ligand Pairs in Molecular Docking Workflows in HPC Clouds. , 2014, , .		11
63	SciLightning: A Cloud Provenance-Based Event Notification for Parallel Workflows. Lecture Notes in Computer Science, 2014, , 352-365.	1.3	4
64	A Non-intrusive Approach for 2D Platform Game Design Analysis Based on Provenance Data Extracted from Game Streaming. , 2014, , .		10
65	Dimensioning the virtual cluster for parallel scientific workflows in clouds. , 2013, , .		11
66	Performance evaluation of parallel strategies in public clouds: A study with phylogenomic workflows. Future Generation Computer Systems, 2013, 29, 1816-1825.	7.5	24
67	Designing a parallel cloud based comparative genomics workflow to improve phylogenetic analyses. Future Generation Computer Systems, 2013, 29, 2205-2219.	7.5	12
68	Chiron: a parallel engine for algebraic scientific workflows. Concurrency Computation Practice and Experience, 2013, 25, 2327-2341.	2.2	43
69	Runtime Dynamic Structural Changes of Scientific Workflows in Clouds. , 2013, , .		5
70	User-steering of HPC workflows. , 2013, , .		14
71	Capturing and querying workflow runtime provenance with PROV. , 2013, , .		43
72	Provenance traces from Chiron parallel workflow engine. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
73	Algebraic dataflows for big data analysis. , 2013, , .		13
74	A Forecasting Method for Fertilizers Consumption in Brazil. International Journal of Agricultural and Environmental Information Systems, 2013, 4, 23-36.	2.0	5
75	An Artificial Emotional Agent-Based Architecture for Games Simulation. Lecture Notes in Computer Science, 2013, , 156-159.	1.3	0
76	Handling Failures in Parallel Scientific Workflows Using Clouds. , 2012, , .		6
77	Evaluating parameter sweep workflows in high performance computing. , 2012, , .		9
78	A Provenance-based Adaptive Scheduling Heuristic for Parallel Scientific Workflows in Clouds. Journal of Grid Computing, 2012, 10, 521-552.	3.9	79
79	Discovering drug targets for neglected diseases using a pharmacophylogenomic cloud workflow. , 2012, , .		5
80	UNCERTAINTY QUANTIFICATION IN COMPUTATIONAL PREDICTIVE MODELS FOR FLUID DYNAMICS USING A WORKFLOW MANAGEMENT ENGINE. , 2012, 2, 53-71.		12
81	An adaptive parallel execution strategy for cloud-based scientific workflows. Concurrency Computation Practice and Experience, 2012, 24, 1531-1550.	2.2	31
82	Athena: Text Mining Based Discovery of Scientific Workflows in Disperse Repositories. Lecture Notes in Computer Science, 2012, , 104-121.	1.3	4
83	Exploring Molecular Evolution Reconstruction Using a Parallel Cloud Based Scientific Workflow. Lecture Notes in Computer Science, 2012, , 179-191.	1.3	15
84	Using Domain-Specific Data to Enhance Scientific Workflow Steering Queries. Lecture Notes in Computer Science, 2012, , 152-167.	1.3	8
85	Enabling Re-executions of Parallel Scientific Workflows Using Runtime Provenance Data. Lecture Notes in Computer Science, 2012, , 229-232.	1.3	7
86	Optimizing Phylogenetic Analysis Using SciHmm Cloud-based Scientific Workflow. , 2011, , .		15
87	A Performance Evaluation of X-Ray Crystallography Scientific Workflow Using SciCumulus. , 2011, , .		10
88	Towards a Cost Model for Scheduling Scientific Workflows Activities in Cloud Environments. , 2011, , .		12
89	Supporting dynamic parameter sweep in adaptive and user-steered workflow. , 2011, , .		15
90	Many task computing for orthologous genes identification in protozoan genomes using Hydra. Concurrency Computation Practice and Experience, 2011, 23, 2326-2337.	2.2	8

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91	SciPhy: A Cloud-Based Workflow for Phylogenetic Analysis of Drug Targets in Protozoan Genomes. Lecture Notes in Computer Science, 2011, , 66-70.	1.3	26
92	An algebraic approach for data-centric scientific workflows. Proceedings of the VLDB Endowment, 2011, 4, 1328-1339.	3.8	56
93	Adaptive Normalization: A novel data normalization approach for non-stationary time series. , 2010, , .		74
94	Data parallelism in bioinformatics workflows using Hydra. , 2010, , .		15
95	Towards supporting the life cycle of large scale scientific experiments. International Journal of Business Process Integration and Management, 2010, 5, 79.	0.0	75
96	SciCumulus: A Lightweight Cloud Middleware to Explore Many Task Computing Paradigm in Scientific Workflows. , 2010, , .		89
97	Improving Many-Task computing in scientific workflows using P2P techniques. , 2010, , .		1
98	Towards a Taxonomy for Cloud Computing from an e-Science Perspective. Computer Communications and Networks, 2010, , 47-62.	0.8	34
99	GExpLine: A Tool for Supporting Experiment Composition. Lecture Notes in Computer Science, 2010, , 251-259.	1.3	4
100	Using Ontologies to Support Deep Water Oil Exploration Scientific Workflows. , 2009, , .		1
101	Exploring many task computing in scientific workflows. , 2009, , .		24
102	DefiniÃ§Ã£o de ParÃ¢metros do Spark por meio de Aprendizado de MÃ¡quina: um Estudo com Dataflows de Astronomia. , 0, , .		0
103	PolRoute-DS: um Dataset de Dados Criminais para GeraÃ§Ã£o de Rotas de Patrulhamento Policial. , 0, , .		0
104	AnÃ¡lise Integrada de Grafos de ProveniÃªncia HeterogÃªneos por meio de uma Abordagem PolyStore. , 0, , .		0
105	Um Estudo Comparativo de Mecanismos de Privacidade Diferencial sobre um Dataset de OcorrÃªncias do ZIKV no Brasil. , 0, , .		0
106	AnÃ¡lise de HiperparÃ¢metros em AplicaÃ§Ães de Aprendizado Profundo por meio de Dados de ProveniÃªncia. , 0, , .		2
107	GerÃªncia de Dados de ProveniÃªncia DistribuÃdos de Experimentos CientÃficos: um Mapeamento SistemÃtico. , 0, , .		0
108	HELIX: A data-driven characterization of Brazilian land snails. , 0, , .		0