Daniel Cardoso Moraes de Oliveira

List of Publications by Year
in descending order

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	SciCumulus: A Lightweight Cloud Middleware to Explore Many Task Computing Paradigm in Scientific Workflows. , 2010, , .		89
2	A Provenance-based Adaptive Scheduling Heuristic for Parallel Scientific Workflows in Clouds. Journal of Grid Computing, 2012, 10, 521-552.	3.9	79
3	Towards supporting the life cycle of large scale scientific experiments. International Journal of Business Process Integration and Management, 2010, 5, 79.	0.0	75
4	Adaptive Normalization: A novel data normalization approach for non-stationary time series. , 2010, , .		74
5	An algebraic approach for data-centric scientific workflows. Proceedings of the VLDB Endowment, 2011, 4, 1328-1339.	3.8	56
6	Dynamic steering of HPC scientific workflows: A survey. Future Generation Computer Systems, 2015, 46, 100-113.	7.5	46
7	Optimizing virtual machine allocation for parallel scientific workflows in federated clouds. Future Generation Computer Systems, 2015, 46, 51-68.	7.5	46
8	Multi-objective scheduling of Scientific Workflows in multisite clouds. Future Generation Computer Systems, 2016, 63, 76-95.	7.5	46
9	Chiron: a parallel engine for algebraic scientific workflows. Concurrency Computation Practice and Experience, 2013, 25, 2327-2341.	2.2	43
10	Capturing and querying workflow runtime provenance with PROV. , 2013, , .		43
11	Towards a Taxonomy for Cloud Computing from an e-Science Perspective. Computer Communications and Networks, 2010, , 47-62.	0.8	34
12	An adaptive parallel execution strategy for cloud€based scientific workflows. Concurrency Computation Practice and Experience, 2012, 24, 1531-1550.	2.2	31
13	A superpixel-driven deep learning approach for the analysis of dermatological wounds. Computer Methods and Programs in Biomedicine, 2020, 183, 105079.	4.7	27
14	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
15	Exploring many task computing in scientific workflows. , 2009, , .		24
16	Performance evaluation of parallel strategies in public clouds: A study with phylogenomic workflows. Future Generation Computer Systems, 2013, 29, 1816-1825.	7.5	24
17	Raw data queries during data-intensive parallel workflow execution. Future Generation Computer Systems, 2017, 75, 402-422.	7.5	20
18	Provenance Analytics for Workflow-Based Computational Experiments. ACM Computing Surveys, 2019, 51, 1-25.	23.0	18

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19	Data parallelism in bioinformatics workflows using Hydra. , 2010, , .		15
20	Optimizing Phylogenetic Analysis Using SciHmm Cloud-based Scientific Workflow. , 2011, , .		15
21	Supporting dynamic parameter sweep in adaptive and user-steered workflow. , 2011, , .		15
22	Exploring Molecular Evolution Reconstruction Using a Parallel Cloud Based Scientific Workflow. Lecture Notes in Computer Science, 2012, , 179-191.	1.3	15
23	Dfanalyzer. Proceedings of the VLDB Endowment, 2018, 11, 2082-2085.	3.8	15
24	User-steering of HPC workflows. , 2013, , .		14
25	Adaptive Caching for Data-Intensive Scientific Workflows in the Cloud. Lecture Notes in Computer Science, 2019, , 452-466.	1.3	14
26	Algebraic dataflows for big data analysis. , 2013, , .		13
27	Towards a Cost Model for Scheduling Scientific Workflows Activities in Cloud Environments. , 2011, , .		12
28	UNCERTAINTY QUANTIFICATION IN COMPUTATIONAL PREDICTIVE MODELS FOR FLUID DYNAMICS USING A WORKFLOW MANAGEMENT ENGINE. , 2012, 2, 53-71.		12
29	Designing a parallel cloud based comparative genomics workflow to improve phylogenetic analyses. Future Generation Computer Systems, 2013, 29, 2205-2219.	7.5	12
30	Dimensioning the virtual cluster for parallel scientific workflows in clouds. , 2013, , .		11
31	Exploring Large Scale Receptor-Ligand Pairs in Molecular Docking Workflows in HPC Clouds. , 2014, , .		11
32	Provenance-based fault tolerance technique recommendation for cloud-based scientific workflows: a practical approach. Cluster Computing, 2020, 23, 123-148.	5.0	11
33	Capturing and Analyzing Provenance from Spark-based Scientific Workflows with SAMbA-RaP. Future Generation Computer Systems, 2020, 112, 658-669.	7.5	11
34	A Performance Evaluation of X-Ray Crystallography Scientific Workflow Using SciCumulus. , 2011, , .		10
35	A Non-intrusive Approach for 2D Platform Game Design Analysis Based on Provenance Data Extracted from Game Streaming. , 2014, , .		10
36	Analyzing related raw data files through dataflows. Concurrency Computation Practice and Experience, 2016, 28, 2528-2545.	2.2	10

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37	Evaluating parameter sweep workflows in high performance computing. , 2012, , .		9
38	DfAnalyzer: Runtime dataflow analysis tool for Computational Science and Engineering applications. SoftwareX, 2020, 12, 100592.	2.6	9
39	Analyzing Provenance Across Heterogeneous Provenance Graphs. Lecture Notes in Computer Science, 2016, , 57-70.	1.3	9
40	Many task computing for orthologous genes identification in protozoan genomes using Hydra. Concurrency Computation Practice and Experience, 2011, 23, 2326-2337.	2.2	8
41	Evaluating Grasp-based cloud dimensioning for comparative genomics: A practical approach. , 2014, , .		8
42	Handling flash-crowd events to improve the performance of web applications. , 2015, , .		8
43	A Practical Roadmap for Provenance Capture and Data Analysis in Spark-Based Scientific Workflows. , 2018, , .		8
44	A Reinforcement Learning Scheduling Strategy for Parallel Cloud-Based Workflows. , 2019, , .		8
45	Using Domain-Specific Data to Enhance Scientific Workflow Steering Queries. Lecture Notes in Computer Science, 2012, , 152-167.	1.3	8
46	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
47	Enabling Re-executions of Parallel Scientific Workflows Using Runtime Provenance Data. Lecture Notes in Computer Science, 2012, , 229-232.	1.3	7
48	Handling Failures in Parallel Scientific Workflows Using Clouds. , 2012, , .		6
49	Towards an Adaptive and Distributed Architecture for Managing Workflow Provenance Data. , 2014, , .		6
50	Data Analytics in Bioinformatics: Data Science in Practice for Genomics Analysis Workflows. , 2015, , .		6
51	Towards Safer (Smart) Cities: Discovering Urban Crime Patterns Using Logic-based Relational Machine Learning. , 2018, , .		6
52	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
53	Discovering drug targets for neglected diseases using a pharmacophylogenomic cloud workflow. , 2012, , .		5
54	Runtime Dynamic Structural Changes of Scientific Workflows in Clouds. , 2013, , .		5

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55	A Forecasting Method for Fertilizers Consumption in Brazil. International Journal of Agricultural and Environmental Information Systems, 2013, 4, 23-36.	2.0	5
56	Exploratory Analysis of Raw Data Files through Dataflows. , 2014, , .		5
57	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
58	Polyflow. , 2019, , .		5
59	SciLightning: A Cloud Provenance-Based Event Notification for Parallel Workflows. Lecture Notes in Computer Science, 2014, , 352-365.	1.3	4
60	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
61	Capturing Provenance for Runtime Data Analysis in Computational Science and Engineering Applications. Lecture Notes in Computer Science, 2018, , 183-187.	1.3	4
62	A provenance-based heuristic for preserving results confidentiality in cloud-based scientific workflows. Future Generation Computer Systems, 2019, 97, 697-713.	7.5	4
63	GExpLine: A Tool for Supporting Experiment Composition. Lecture Notes in Computer Science, 2010, , 251-259.	1.3	4
64	Athena: Text Mining Based Discovery of Scientific Workflows in Disperse Repositories. Lecture Notes in Computer Science, 2012, , 104-121.	1.3	4
65	Distributed Caching of Scientific Workflows in Multisite Cloud. Lecture Notes in Computer Science, 2020, , 51-65.	1.3	4
66	Provenance traces from Chiron parallel workflow engine. , 2013, , .		3
67	Managing Provenance of Implicit Data Flows in Scientific Experiments. ACM Transactions on Internet Technology, 2017, 17, 1-22.	4.4	3
68	Deriving scientific workflows from algebraic experiment lines: A practical approach. Future Generation Computer Systems, 2017, 68, 111-127.	7.5	3
69	Exploring Diversified Similarity with Kundaha. , 2018, , .		3
70	A Two-Phase Learning Approach for the Segmentation of Dermatological Wounds. , 2019, , .		3
71	Cache-aware scheduling of scientific workflows in a multisite cloud. Future Generation Computer Systems, 2021, 122, 172-186.	7.5	3
72	Provenance Supporting Hyperparameter Analysis in Deep Neural Networks. Lecture Notes in Computer Science, 2021, , 20-38.	1.3	3

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73	Towards Supporting Provenance Gathering and Querying in Different Database Approaches. Lecture Notes in Computer Science, 2015, , 254-257.	1.3	3
74	Experiencing PROV-Wf for Provenance Interoperability in SWfMSs. Lecture Notes in Computer Science, 2015, , 294-296.	1.3	3
75	Clouds and Reproducibility: A Way to Go to Scientific Experiments?. Computer Communications and Networks, 2017, , 127-151.	0.8	3
76	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
77	Adding domain data to code profiling tools to debug workflow parallel execution. Future Generation Computer Systems, 2020, 110, 422-439.	7.5	2
78	OLAP parallel query processing in clouds with Câ€ParGRES. Concurrency Computation Practice and Experience, 2020, 32, e5590.	2.2	2
79	Distributed in-memory data management for workflow executions. PeerJ Computer Science, 2021, 7, e527.	4.5	2
80	A kâ€"Skyband Approach for Feature Selection. Lecture Notes in Computer Science, 2019, , 160-168.	1.3	2
81	AnÃ¡lise de HiperparÃ¢metros em AplicaÃ§Ãµes de Aprendizado Profundo por meio de Dados de ProveniÃªncia. , 0, , .		2
82	Using Ontologies to Support Deep Water Oil Exploration Scientific Workflows. , 2009, , .		1
83	Improving Many-Task computing in scientific workflows using P2P techniques. , 2010, , .		1
84	Towards a Science Gateway for Bioinformatics: Experiences in the Brazilian System of High Performance Computing. , 2019, , .		1
85	Exploiting the Parallel Execution of Homology Workflow Alternatives in HPC Compute Clouds. Lecture Notes in Computer Science, 2015, , 336-350.	1.3	1
86	Mirror Mirror on the Wall, How Do I Dimension My Cloud After All?. Computer Communications and Networks, 2017, , 27-58.	0.8	1
87	A Systematic Mapping of Software Requirements Negotiation Techniques. , 2017, , .		1
88	Some Branches May Bear Rotten Fruits: Diversity Browsing VP-Trees. Lecture Notes in Computer Science, 2020, , 140-154.	1.3	1
89	BioProv - A provenance library for bioinformatics workflows. Journal of Open Source Software, 2021, 6, 3622.	4.6	1
90	Evaluation between humans and affective NPC in digital gaming scenario. , 2014, , .		0

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91	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
92	Towards preserving results confidentiality in cloud-based scientific workflows. , 2017, , .		0
93	ArrOW: Experiencing a Parallel Cloud-Based De Novo Assembler Workflow. , 2019, , .		0
94	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
95	Provenance-and machine learning-based recommendation of parameter values in scientific workflows. PeerJ Computer Science, 2021, 7, e606.	4.5	0
96	DefiniÃ§Ã£o de ParÃ¢metros do Spark por meio de Aprendizado de MÃ¡quina: um Estudo com Dataflows de Astronomia. , 0, , .		0
97	PolRoute-DS: um Dataset de Dados Criminais para GeraÃ§Ã£o de Rotas de Patrulhamento Policial. , 0, , .		0
98	An Artificial Emotional Agent-Based Architecture for Games Simulation. Lecture Notes in Computer Science, 2013, , 156-159.	1.3	0
99	Enhancing Energy Production with Exascale HPC Methods. Communications in Computer and Information Science, 2017, , 233-246.	0.5	0
100	AnÃ¡lise Integrada de Grafos de ProveniÃªncia HeterogÃªneos por meio de uma Abordagem PolyStore. , 0, , .		0
101	Um Estudo Comparativo de Mecanismos de Privacidade Diferencial sobre um Dataset de OcorrÃªncias do ZIKV no BrasilÂ. , 0, , .		0
102	GerÃªncia de Dados de ProveniÃªncia DistribuÃdos de Experimentos CientÃficos: um Mapeamento SistemÃ¡tico. , 0, , .		0
103	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
104	A Classification of de Bruijn Graph Approaches for De Novo Fragment Assembly. Lecture Notes in Computer Science, 2020, , 1-12.	1.3	0
105	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
106	Efficient Execution of Scientific Workflows in the Cloud Through Adaptive Caching. Lecture Notes in Computer Science, 2020, , 41-66.	1.3	0
107	Experiencing DfAnalyzer for Runtime Analysis of Phylogenomic Dataflows. Lecture Notes in Computer Science, 2020, , 105-116.	1.3	0
108	HELIX: A data-driven characterization of Brazilian land snails. , 0, , .		0