Daniel Crawl

List of Publications by Year
in descending order

20 papers	364 citations	1163117 8 h-index	996975 15 g-index
20 all docs	20 docs citations	20 times ranked	463 citing authors

#	Article	IF	Citations
1	Estimation of wildfire wind conditions via perimeter and surface area optimization. Journal of Computational Science, 2022, 61, 101633.	2.9	4
2	Improving Wildfire Simulations by Estimation of Wildfire Wind Conditions from Fire Perimeter Measurements. Lecture Notes in Computer Science, 2021, , 231-244.	1.3	2
3	Toward a Methodology and Framework for Workflow-Driven Team Science. Computing in Science and Engineering, 2019, 21, 37-48.	1.2	7
4	Data Assimilation of Wildfires with Fuel Adjustment Factors in farsite using Ensemble Kalman Filtering * *This work is funded by NSF 1331615 under CI, Information Technology Research and SEES Hazards programs. Procedia Computer Science, 2017, 108, 1572-1581.	2.0	20
5	Firemap: A Dynamic Data-Driven Predictive Wildfire Modeling and Visualization Environment. Procedia Computer Science, 2017, 108, 2230-2239.	2.0	19
6	Integrated Machine Learning in the Kepler Scientific Workflow System. Procedia Computer Science, 2016, 80, 2443-2448.	2.0	1
7	A scalable approach for location-specific detection of Santa Ana conditions. , 2016, , .		1
8	Kepler WebView: A Lightweight, Portable Framework for Constructing Real-time Web Interfaces of Scientific Workflows. Procedia Computer Science, 2016, 80, 673-679.	2.0	9
9	Towards an Integrated Cyberinfrastructure for Scalable Data-driven Monitoring, Dynamic Prediction and Resilience of Wildfires. Procedia Computer Science, 2015, 51, 1633-1642.	2.0	30
10	Big Data Applications Using Workflows for Data Parallel Computing. Computing in Science and Engineering, 2014, 16, 11-21.	1.2	30
11	Progress towards Automated Kepler Scientific Workflows for Computer-aided Drug Discovery and Molecular Simulations. Procedia Computer Science, 2014, 29, 1745-1755.	2.0	6
12	EPiK-a Workflow for Electron Tomography in Kepler1. Procedia Computer Science, 2014, 29, 2295-2305.	2.0	9
13	Approaches to Distributed Execution of Scientific Workflows in Kepler. Fundamenta Informaticae, 2013, 128, 281-302.	0.4	13
14	Challenges and approaches for distributed workflow-driven analysis of large-scale biological data. , 2012, , .		19
15	A Framework for Distributed Data-Parallel Execution in the Kepler Scientific Workflow System. Procedia Computer Science, 2012, 9, 1620-1629.	2.0	18
16	Monitoring data quality in Kepler. , 2010, , .		5
17	Workflows and extensions to the Kepler scientific workflow system to support environmental sensor data access and analysis. Ecological Informatics, 2010, 5, 42-50.	5.2	81
18	A Fault-Tolerance Architecture for Kepler-Based Distributed Scientific Workflows. Lecture Notes in Computer Science, 2010, , 452-460.	1.3	10

#	Article	IF	Citations
19	Kepler + Hadoop. , 2009, , .		79
20	Scientific workflows for the geosciences: An emerging approach to building integrated data analysis systems. , 0, , 237-250.		1