

Allison Baker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8347622/publications.pdf>

Version: 2024-02-01

11
papers

564
citations

933447

10
h-index

1372567

10
g-index

17
all docs

17
docs citations

17
times ranked

950
citing authors

#	ARTICLE	IF	CITATIONS
1	A new synoptic scale resolving global climate simulation using the Community Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 1065-1094.	3.8	262
2	An Unprecedented Set of High-Resolution Earth System Simulations for Understanding Multiscale Interactions in Climate Variability and Change. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002298.	3.8	104
3	Evaluating lossy data compression on climate simulation data within a large ensemble. <i>Geoscientific Model Development</i> , 2016, 9, 4381-4403.	3.6	56
4	A new ensemble-based consistency test for the Community Earth System Model (pyCECT v1.0). <i>Geoscientific Model Development</i> , 2015, 8, 2829-2840.	3.6	35
5	Optimizing high-resolution Community Earth System Model on a heterogeneous many-core supercomputing platform. <i>Geoscientific Model Development</i> , 2020, 13, 4809-4829.	3.6	30
6	Evaluating image quality measures to assess the impact of lossy data compression applied to climate simulation data. <i>Computer Graphics Forum</i> , 2019, 38, 517-528.	3.0	18
7	P-CSI v1.0, an accelerated barotropic solver for the high-resolution ocean model component in the Community Earth System Model v2.0. <i>Geoscientific Model Development</i> , 2016, 9, 4209-4225.	3.6	15
8	KGEN: A Python Tool for Automated Fortran Kernel Generation and Verification. <i>Procedia Computer Science</i> , 2016, 80, 1450-1460.	2.0	15
9	Nine time steps: ultra-fast statistical consistency testing of the Community Earth System Model (pyCECT v3.0). <i>Geoscientific Model Development</i> , 2018, 11, 697-711.	3.6	11
10	Evaluating statistical consistency in the ocean model component of the Community Earth System Model (pyCECT v2.0). <i>Geoscientific Model Development</i> , 2016, 9, 2391-2406.	3.6	10
11	On Preserving Scientific Integrity for Climate Model Data in the HPC Era. <i>Computing in Science and Engineering</i> , 2021, , 1-1.	1.2	0