Allison Baker

List of Publications by Year
in descending order

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