

David C Bader

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

3,522
citations

567281

15
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

5333
citing authors

#	ARTICLE	IF	CITATIONS
1	The Community Earth System Model: A Framework for Collaborative Research. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 1339-1360.	3.3	1,848
2	The DOE E3SM Coupled Model Version 1: Overview and Evaluation at Standard Resolution. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2089-2129.	3.8	404
3	Evaluation of a WRF dynamical downscaling simulation over California. <i>Climatic Change</i> , 2009, 95, 499-521.	3.6	224
4	An Overview of the Atmospheric Component of the Energy Exascale Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2377-2411.	3.8	168
5	A Unified Modeling Approach to Climate System Prediction. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1819-1832.	3.3	140
6	A prototype two-decade fully-coupled fine-resolution CCSM simulation. <i>Ocean Modelling</i> , 2011, 39, 10-30.	2.4	113
7	The DOE E3SM Coupled Model Version 1: Description and Results at High Resolution. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4095-4146.	3.8	112
8	Practice and philosophy of climate model tuning across six US modeling centers. <i>Geoscientific Model Development</i> , 2017, 10, 3207-3223.	3.6	100
9	Title is missing!. <i>Climatic Change</i> , 1999, 42, 31-43.	3.6	79
10	Dynamical Model Simulation of the Morning Boundary Layer Development in Deep Mountain Valleys. <i>Journal of Climate and Applied Meteorology</i> , 1983, 22, 341-351.	1.0	71
11	Regionally refined test bed in E3SM atmosphere model version 1 (EAMv1) and applications for high-resolution modeling. <i>Geoscientific Model Development</i> , 2019, 12, 2679-2706.	3.6	49
12	An Introduction to the E3SM Special Collection: Goals, Science Drivers, Development, and Analysis. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001821.	3.8	43
13	Effects of Shear, Stability and Valley Characteristics on the Destruction of Temperature Inversions. <i>Journal of Climate and Applied Meteorology</i> , 1985, 24, 822-832.	1.0	40
14	Secular trends and climate drift in coupled ocean-atmosphere general circulation models. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	20
15	Numerical Simulation of Cross-Valley Plume Dispersion during the Morning Transition Period. <i>Journal of Applied Meteorology and Climatology</i> , 1989, 28, 652-664.	1.7	17
16	Mesoscale Boundary Layer Evolution over Complex Terrain. Part I. Numerical Simulation of the Diurnal Cycle. <i>Journals of the Atmospheric Sciences</i> , 1987, 44, 2823-2839.	1.7	16
17	Evaluation of a CCSM3 Simulation with a Finite Volume Dynamical Core for the Atmosphere at 1Å° Latitude Å– 1.25Å° Longitude Resolution. <i>Journal of Climate</i> , 2008, 21, 1467-1486.	3.2	15
18	Examining the Climate Effects of a Regional Nuclear Weapons Exchange Using a Multiscale Atmospheric Modeling Approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033056.	3.3	11

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19	Preliminary Study of California Wintertime Model Wet Bias. Monthly Weather Review, 2010, 138, 3556-3571.	1.4	10
20	A spectral transform dynamical core option within the Community Atmosphere Model (CAM4). Journal of Advances in Modeling Earth Systems, 2014, 6, 902-922.	3.8	10
21	Simulated climate near steep topography: Sensitivity to numerical methods for atmospheric transport. Geophysical Research Letters, 2008, 35, .	4.0	8
22	Mesoscale Boundary-Layer Evolution over Complex Terrain. Part II: Factors Controlling Nocturnal Boundary-Layer Structure. Monthly Weather Review, 1992, 120, 802-816.	1.4	3
23	The use of the Climate-science Computational End Station (CCES) development and grand challenge team for the next IPCC assessment: an operational plan. Journal of Physics: Conference Series, 2008, 125, 012024.	0.4	3