

Jared H Bowden

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

692
citations

687220

13
h-index

713332

21
g-index

30
all docs

30
docs citations

30
times ranked

936
citing authors

#	ARTICLE	IF	CITATIONS
1	Examining Interior Grid Nudging Techniques Using Two-Way Nesting in the WRF Model for Regional Climate Modeling. <i>Journal of Climate</i> , 2012, 25, 2805-2823.	1.2	116
2	Does Nudging Squelch the Extremes in Regional Climate Modeling?. <i>Journal of Climate</i> , 2012, 25, 7046-7066.	1.2	111
3	Customization of RegCM3 Regional Climate Model for Eastern Africa and a Tropical Indian Ocean Domain. <i>Journal of Climate</i> , 2009, 22, 3595-3616.	1.2	64
4	Simulating the impact of the large-scale circulation on the 2-m temperature and precipitation climatology. <i>Climate Dynamics</i> , 2013, 40, 1903-1920.	1.7	56
5	Co-benefits of global, domestic, and sectoral greenhouse gas mitigation for US air quality and human health in 2050. <i>Environmental Research Letters</i> , 2017, 12, 114033.	2.2	43
6	Empirical Analysis of Intraseasonal Climate Variability over the Greater Horn of Africa. <i>Journal of Climate</i> , 2007, 20, 5715-5731.	1.2	42
7	Improving the representation of clouds, radiation, and precipitation using spectral nudging in the Weather Research and Forecasting model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 11,682-11,694.	1.2	36
8	The potential effects of climate change on air quality across the conterminous US at 2030 under three Representative Concentration Pathways. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15471-15489.	1.9	33
9	Co-benefits of global and regional greenhouse gas mitigation for US air quality in 2050. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9533-9548.	1.9	25
10	The Impact of Incongruous Lake Temperatures on Regional Climate Extremes Downscaled from the CMIP5 Archive Using the WRF Model. <i>Journal of Climate</i> , 2016, 29, 839-853.	1.2	24
11	Regional temperature-ozone relationships across the U.S. under multiple climate and emissions scenarios. <i>Journal of the Air and Waste Management Association</i> , 2021, 71, 1251-1264.	0.9	19
12	Limitations of WRF land surface models for simulating land use and land cover change in Sub-Saharan Africa and development of an improved model (CLM-AF v. 1.0). <i>Geoscientific Model Development</i> , 2021, 14, 3215-3249.	1.3	18
13	A Maieutic Exploration of Nudging Strategies for Regional Climate Applications Using the WRF Model. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 1883-1906.	0.6	17
14	The spatiotemporal climate variability over Senegal and its relationship to global climate. <i>International Journal of Climatology</i> , 2006, 26, 2057-2076.	1.5	14
15	Assessing the Added Value of Dynamical Downscaling Using the Standardized Precipitation Index. <i>Advances in Meteorology</i> , 2016, 2016, 1-14.	0.6	13
16	Update of land use/land cover and soil texture for Brazil: Impact on WRF modeling results over São Paulo. <i>Atmospheric Environment</i> , 2022, 268, 118760.	1.9	13
17	Perspective: Developing Flow Policies to Balance the Water Needs of Humans and Wetlands Requires a Landscape Scale Approach Inclusive of Future Scenarios and Multiple Timescales. <i>Wetlands</i> , 2019, 39, 1329-1341.	0.7	8
18	Aircraft landing and takeoff emission impacts on surface O ₃ and PM _{2.5} through aerosol direct feedback effects estimated by the coupled WRF-CMAQ model. <i>Atmospheric Environment</i> , 2020, 243, 117859.	1.9	8

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19	High-resolution dynamically downscaled rainfall and temperature projections for ecological life zones within Puerto Rico and for the U.S. Virgin Islands. <i>International Journal of Climatology</i> , 2021, 41, 1305-1327.	1.5	8
20	Characterizing Changes in Eastern U.S. Pollution Events in a Warming World. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	8
21	Projecting changes in extreme rainfall from three tropical cyclones using the design-rainfall approach. <i>Npj Climate and Atmospheric Science</i> , 2021, 4, .	2.6	2
22	Regional Climate Variations and Change for Terrestrial Ecosystems Workshop Review. <i>Bulletin of the Ecological Society of America</i> , 2014, 95, 96-97.	0.2	0
23	Projecting changes in extreme rainfall from three tropical cyclones using the design-rainfall approach. <i>Nature Climate Change</i> , 2021, 4, 1-8.	8.1	0