

Lawrence Jackson

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

791
citations

623734

14
h-index

677142

22
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24
all docs

24
docs citations

24
times ranked

1411
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating adjusted forcing and model spread for historical and future scenarios in the CMIP5 generation of climate models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1139-1150.	3.3	304
2	The effect of westerlies on East African rainfall and the associated role of tropical cyclones and the Madden-Julian Oscillation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 647-664.	2.7	49
3	Implications of Improved Representation of Convection for the East Africa Water Budget Using a Convection-Permitting Model. <i>Journal of Climate</i> , 2019, 32, 2109-2129.	3.2	47
4	A comparison of temperature and precipitation responses to different Earth radiation management geoengineering schemes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9352-9373.	3.3	43
5	What Drives the Intensification of Mesoscale Convective Systems over the West African Sahel under Climate Change?. <i>Journal of Climate</i> , 2020, 33, 3151-3172.	3.2	42
6	Evaluation of In Situ Rainwater Harvesting as an Adaptation Strategy to Climate Change for Maize Production in Rainfed Africa. <i>Water Resources Management</i> , 2015, 29, 4803-4816.	3.9	38
7	Effects of Explicit Convection on Future Projections of Mesoscale Circulations, Rainfall, and Rainfall Extremes over Eastern Africa. <i>Journal of Climate</i> , 2020, 33, 2701-2718.	3.2	36
8	Assessing the controllability of Arctic sea ice extent by sulfate aerosol geoengineering. <i>Geophysical Research Letters</i> , 2015, 42, 1223-1231.	4.0	34
9	An Empirical Study of Geographic and Seasonal Variations in Diurnal Temperature Range. <i>Journal of Climate</i> , 2010, 23, 3205-3221.	3.2	29
10	Convection-Permitting Regional Climate Change Simulations for Understanding Future Climate and Informing Decision-Making in Africa. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1206-E1223.	3.3	26
11	Modelling trends in OH radical concentrations using generalized additive models. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 2021-2033.	4.9	22
12	African Lightning and its Relation to Rainfall and Climate Change in a Convection-Permitting Model. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088163.	4.0	18
13	The effects of timing and rate of marine cloud brightening aerosol injection on albedo changes during the diurnal cycle of marine stratocumulus clouds. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1659-1673.	4.9	17
14	An intensified hydrological cycle in the simulation of geoengineering by cirrus cloud thinning using ice crystal fall speed changes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 6822-6840.	3.3	14
15	The Effect of Explicit Convection on Couplings between Rainfall, Humidity, and Ascent over Africa under Climate Change. <i>Journal of Climate</i> , 2020, 33, 8315-8337.	3.2	14
16	Can increasing albedo of existing ship wakes reduce climate change?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1549-1558.	3.3	12
17	How a typical West African day in the future-climate compares with current-climate conditions in a convection-permitting and parameterised convection climate model. <i>Climatic Change</i> , 2020, 163, 267-296.	3.6	11
18	Combining CMIP data with a regional convection-permitting model and observations to project extreme rainfall under climate change. <i>Environmental Research Letters</i> , 2021, 16, 104023.	5.2	11

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19	Regional Differences in the Response of Rainfall to Convectively Coupled Kelvin Waves over Tropical Africa. <i>Journal of Climate</i> , 2019, 32, 8143-8165.	3.2	10
20	Modeled rapid adjustments in diurnal temperature range response to CO ₂ and solar forcings. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2229-2240.	3.3	6
21	Understanding Intermodel Variability in Future Projections of a Sahelian Storm Proxy and Southern Saharan Warming. <i>Journal of Climate</i> , 2021, 34, 509-525.	3.2	4
22	The Effect of Explicit Convection on Climate Change in the West African Monsoon and Central West African Sahel Rainfall. <i>Journal of Climate</i> , 2022, 35, 1537-1557.	3.2	3
23	Climate Decision-Making as a Recursive Process. , 2014, , .		1