Lawrence Jackson

List of Publications by Year
in descending order

23 papers	791 citations	623734 14 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1411 citing authors

#	Article	IF	Citations
1	The Effect of Explicit Convection on Climate Change in the West African Monsoon and Central West African Sahel Rainfall. Journal of Climate, 2022, 35, 1537-1557.	3.2	3
2	Convection-Permitting Regional Climate Change Simulations for Understanding Future Climate and Informing Decision-Making in Africa. Bulletin of the American Meteorological Society, 2021, 102, E1206-E1223.	3.3	26
3	Combining CMIP data with a regional convection-permitting model and observations to project extreme rainfall under climate change. Environmental Research Letters, 2021, 16, 104023.	5.2	11
4	Understanding Intermodel Variability in Future Projections of a Sahelian Storm Proxy and Southern Saharan Warming. Journal of Climate, 2021, 34, 509-525.	3.2	4
5	The effect of westerlies on East African rainfall and the associated role of tropical cyclones and the Maddenâ€“Julian Oscillation. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 647-664.	2.7	49
6	African Lightning and its Relation to Rainfall and Climate Change in a Convectionâ€Permitting Model. Geophysical Research Letters, 2020, 47, e2020GL088163.	4.0	18
7	How a typical West African day in the future-climate compares with current-climate conditions in a convection-permitting and parameterised convection climate model. Climatic Change, 2020, 163, 267-296.	3.6	11
8	What Drives the Intensification of Mesoscale Convective Systems over the West African Sahel under Climate Change?. Journal of Climate, 2020, 33, 3151-3172.	3.2	42
9	The Effect of Explicit Convection on Couplings between Rainfall, Humidity, and Ascent over Africa under Climate Change. Journal of Climate, 2020, 33, 8315-8337.	3.2	14
10	Effects of Explicit Convection on Future Projections of Mesoscale Circulations, Rainfall, and Rainfall Extremes over Eastern Africa. Journal of Climate, 2020, 33, 2701-2718.	3.2	36
11	Implications of Improved Representation of Convection for the East Africa Water Budget Using a Convection-Permitting Model. Journal of Climate, 2019, 32, 2109-2129.	3.2	47
12	Regional Differences in the Response of Rainfall to Convectively Coupled Kelvin Waves over Tropical Africa. Journal of Climate, 2019, 32, 8143-8165.	3.2	10
13	Can increasing albedo of existing ship wakes reduce climate change?. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1549-1558.	3.3	12
14	An intensified hydrological cycle in the simulation of geoengineering by cirrus cloud thinning using ice crystal fall speed changes. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6822-6840.	3.3	14
15	A comparison of temperature and precipitation responses to different Earth radiation management geoengineering schemes. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9352-9373.	3.3	43
16	Assessing the controllability of Arctic sea ice extent by sulfate aerosol geoengineering. Geophysical Research Letters, 2015, 42, 1223-1231.	4.0	34
17	Evaluation of In Situ Rainwater Harvesting as an Adaptation Strategy to Climate Change for Maize Production in Rainfed Africa. Water Resources Management, 2015, 29, 4803-4816.	3.9	38
18	Climate Decision-Making as a Recursive Process. , 2014, , .		1

#	Article	IF	Citations
19	The effects of timing and rate of marine cloud brightening aerosol injection on albedo changes during the diurnal cycle of marine stratocumulus clouds. Atmospheric Chemistry and Physics, 2013, 13, 1659-1673.	4.9	17
20	Evaluating adjusted forcing and model spread for historical and future scenarios in the CMIP5 generation of climate models. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1139-1150.	3.3	304
21	Modeled rapid adjustments in diurnal temperature range response to CO₂ and solar forcings. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2229-2240.	3.3	6
22	An Empirical Study of Geographic and Seasonal Variations in Diurnal Temperature Range. Journal of Climate, 2010, 23, 3205-3221.	3.2	29
23	Modelling trends in OH radical concentrations using generalized additive models. Atmospheric Chemistry and Physics, 2009, 9, 2021-2033.	4.9	22