

Kalli J Furtado

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,180
citations

623734

14
h-index

642732

23
g-index

38
all docs

38
docs citations

38
times ranked

2418
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of anthropogenic and sea salt aerosols on a heavy rainfall event during the early-summer rainy season over coastal Southern China. <i>Atmospheric Research</i> , 2022, 265, 105923.	4.1	9
2	A strong statistical link between aerosol indirect effects and the self-similarity of rainfall distributions. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3391-3407.	4.9	0
3	Increasing precipitation variability on daily-to-multiyear time scales in a warmer world. <i>Science Advances</i> , 2021, 7, .	10.3	111
4	The role of anthropogenic aerosols in the anomalous cooling from 1960 to 1990 in the CMIP6 Earth system models. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18609-18627.	4.9	14
5	The effects of cloud-aerosol interaction complexity on simulations of presummer rainfall over southern China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5093-5110.	4.9	14
6	The impact of performance filtering on climate feedbacks in a perturbed parameter ensemble. <i>Climate Dynamics</i> , 2020, 55, 521-551.	3.8	10
7	Improving the Southern Ocean cloud albedo biases in a general circulation model. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7741-7751.	4.9	10
8	Prediction of heavy precipitation in the eastern China flooding events of 2016: Added value of convection-permitting simulations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 3300-3319.	2.7	28
9	Science and prediction of monsoon heavy rainfall. <i>Science Bulletin</i> , 2019, 64, 1557-1561.	9.0	12
10	The Met Office Unified Model Global Atmosphere 7.0/7.1 and JULES Global Land 7.0 configurations. <i>Geoscientific Model Development</i> , 2019, 12, 1909-1963.	3.6	372
11	Cluster-Based Evaluation of Model Compensating Errors: A Case Study of Cloud Radiative Effect in the Southern Ocean. <i>Geophysical Research Letters</i> , 2019, 46, 3446-3453.	4.0	15
12	Strong control of Southern Ocean cloud reflectivity by ice-nucleating particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2687-2692.	7.1	156
13	Subgrid Representation of Mixed-Phase Clouds in a General Circulation Model. , 2018, , 185-214.		0
14	Critical Southern Ocean climate model biases traced to atmospheric model cloud errors. <i>Nature Communications</i> , 2018, 9, 3625.	12.8	109
15	Cloud Microphysical Factors Affecting Simulations of Deep Convection During the Presummer Rainy Season in Southern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,477.	3.3	21
16	How Well Can a Climate Model Simulate an Extreme Precipitation Event: A Case Study Using the Transpose-AMIP Experiment. <i>Journal of Climate</i> , 2018, 31, 6543-6556.	3.2	16
17	The Role of Ice Microphysics Parametrizations in Determining the Prevalence of Supercooled Liquid Water in High-Resolution Simulations of a Southern Ocean Midlatitude Cyclone. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 2001-2021.	1.7	27
18	How Biased Is Aircraft Cloud Sampling?. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 185-189.	1.3	5

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19	The Impact of Two Coupled Cirrus Microphysicsâ€“Radiation Parameterizations on the Temperature and Specific Humidity Biases in the Tropical Tropopause Layer in a Climate Model. <i>Journal of Climate</i> , 2016, 29, 5299-5316.	3.2	26
20	On the relationship between the scattering phase function of cirrus and the atmospheric state. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1105-1127.	4.9	18
21	Processes Controlling Tropical Tropopause Temperature and Stratospheric Water Vapor in Climate Models. <i>Journal of Climate</i> , 2015, 28, 6516-6535.	3.2	47
22	A Coupled Cloud Physicsâ€“Radiation Parameterization of the Bulk Optical Properties of Cirrus and Its Impact on the Met Office Unified Model Global Atmosphere 5.0 Configuration. <i>Journal of Climate</i> , 2014, 27, 7725-7752.	3.2	52
23	A self-consistent scattering model for cirrus. II: The high and low frequencies. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 1039-1057.	2.7	46
24	Derivation and thermodynamics of a lattice Boltzmann model with soluble amphiphilic surfactant. <i>Physical Review E</i> , 2010, 81, 066704.	2.1	16