

James Keeble

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,303
citations

567281

15
h-index

477307

29
g-index

74
all docs

74
docs citations

74
times ranked

1977
citing authors

#	ARTICLE	IF	CITATIONS
1	UKESM1: Description and Evaluation of the U.K. Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4513-4558.	3.8	448
2	Description and evaluation of the UKCA stratosphere-troposphere chemistry scheme (StratTrop v1.0). <i>Journal of Geophysical Research</i> , 2019, 124, D07301.	3.6	109
3	Tropospheric ozone in CMIP6 simulations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4187-4218.	4.9	89
4	Effective radiative forcing from emissions of reactive gases and aerosols – a multi-model comparison. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 853-874.	4.9	65
5	Delay in recovery of the Antarctic ozone hole from unexpected CFC-11 emissions. <i>Nature Communications</i> , 2019, 10, 5781.	12.8	58
6	Evaluating stratospheric ozone and water vapour changes in CMIP6 models from 1850 to 2100. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 5015-5061.	4.9	54
7	The impact of polar stratospheric ozone loss on Southern Hemisphere stratospheric circulation and climate. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13705-13717.	4.9	53
8	Processes Controlling Tropical Tropopause Temperature and Stratospheric Water Vapor in Climate Models. <i>Journal of Climate</i> , 2015, 28, 6516-6535.	3.2	47
9	How sensitive is the recovery of stratospheric ozone to changes in concentrations of very short-lived bromocarbons?. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10431-10438.	4.9	34
10	Circulation anomalies in the Southern Hemisphere and ozone changes. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10677-10688.	4.9	29
11	Assessment of pre-industrial to present-day anthropogenic climate forcing in UKESM1. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1211-1243.	4.9	29
12	Inclusion of mountain-wave-induced cooling for the formation of PSCs over the Antarctic Peninsula in a chemistry-climate model. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1071-1086.	4.9	27
13	Climate change penalty and benefit on surface ozone: a global perspective based on CMIP6 earth system models. <i>Environmental Research Letters</i> , 2022, 17, 024014.	5.2	27
14	Diagnosing the radiative and chemical contributions to future changes in tropical column ozone with the UM-UKCA chemistry-climate model. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13801-13818.	4.9	23
15	On ozone trend detection: using coupled chemistry-climate simulations to investigate early signs of total column ozone recovery. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7625-7637.	4.9	18
16	On the Changing Role of the Stratosphere on the Tropospheric Ozone Budget: 1979-2010. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086901.	4.0	18
17	Heterogeneous reaction of ClONO ₂ with TiO ₂ and SiO ₂ aerosol particles: implications for stratospheric particle injection for climate engineering. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15397-15412.	4.9	16
18	Reconciling the climate and ozone response to the 1257 CE Mount Samalas eruption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26651-26659.	7.1	15

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19	Stratospheric Ozone Changes From Explosive Tropical Volcanoes: Modeling and Ice Core Constraints. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032290.	3.3	14
20	The Influence of Zonally Asymmetric Stratospheric Ozone Changes on the Arctic Polar Vortex Shift. <i>Journal of Climate</i> , 2020, 33, 4641-4658.	3.2	14
21	Improvements to stratospheric chemistry scheme in the UM-UKCA (v10.7) model: solar cycle and heterogeneous reactions. <i>Geoscientific Model Development</i> , 2019, 12, 1227-1239.	3.6	12
22	Modelling the potential impacts of the recent, unexpected increase in CFC-11 emissions on total column ozone recovery. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7153-7166.	4.9	10
23	Regional Features of Long-Term Exposure to PM2.5 Air Quality over Asia under SSP Scenarios Based on CMIP6 Models. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6817.	2.6	10
24	Prescribing Zonally Asymmetric Ozone Climatologies in Climate Models: Performance Compared to a Chemistry-Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 918-933.	3.8	8
25	The Evaluation of the North Atlantic Climate System in UKESM1 Historical Simulations for CMIP6. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002126.	3.8	8
26	Polar stratospheric clouds initiated by mountain waves in a global chemistry-climate model: a missing piece in fully modelling polar stratospheric ozone depletion. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12483-12497.	4.9	8
27	Evaluating the Ozone Valley over the Tibetan Plateau in CMIP6 Models. <i>Advances in Atmospheric Sciences</i> , 0, , 1.	4.3	7
28	The Impacts of Aerosol Emissions on Historical Climate in UKESM1. <i>Atmosphere</i> , 2020, 11, 1095.	2.3	5
29	Attribution of Stratospheric and Tropospheric Ozone Changes Between 1850 and 2014 in CMIP6 Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	5
30	Using Machine Learning to Make Computationally Inexpensive Projections of 21st Century Stratospheric Column Ozone Changes in the Tropics. <i>Frontiers in Earth Science</i> , 2021, 8, .	1.8	1