

Ribu Cherian

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,372
citations

567144

15
h-index

610775

24
g-index

24
all docs

24
docs citations

24
times ranked

2372
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into recent aerosol trends over Asia from observations and CMIP6 simulations. <i>Science of the Total Environment</i> , 2022, 807, 150756.	3.9	15
2	Black carbon aerosols over source vs. background region: Atmospheric boundary layer influence, potential source regions, and model comparison. <i>Atmospheric Research</i> , 2021, 256, 105573.	1.8	9
3	Trends in AOD, Clouds, and Cloud Radiative Effects in Satellite Data and CMIP5 and CMIP6 Model Simulations Over Aerosol Source Regions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087132.	1.5	48
4	The importance of the representation of air pollution emissions for the modeled distribution and radiative effects of black carbon in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11159-11183.	1.9	30
5	Global and regional trends of atmospheric sulfur. <i>Scientific Reports</i> , 2019, 9, 953.	1.6	166
6	Subgrid-scale variability in clear-sky relative humidity and forcing by aerosol-radiation interactions in an atmosphere model. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8589-8599.	1.9	6
7	Black carbon indirect radiative effects in a climate model. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2017, 69, 1369342.	0.8	19
8	Multi-model simulations of aerosol and ozone radiative forcing due to anthropogenic emission changes during the period 1990-2015. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2709-2720.	1.9	87
9	An offline constrained data assimilation technique for aerosols: Improving GCM simulations over South Asia using observations from two satellite sensors. <i>Atmospheric Environment</i> , 2016, 132, 36-48.	1.9	3
10	Regional simulation of aerosol radiative effects and their influence on rainfall over India using WRFChem model. <i>Atmospheric Research</i> , 2016, 182, 232-242.	1.8	16
11	Multi-model evaluation of short-lived pollutant distributions over east Asia during summer 2008. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10765-10792.	1.9	17
12	Regional and seasonal radiative forcing by perturbations to aerosol and ozone precursor emissions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13885-13910.	1.9	17
13	Seasonal differences in aerosol abundance and radiative forcing in months of contrasting emissions and rainfall over northern South Asia. <i>Atmospheric Environment</i> , 2016, 125, 512-523.	1.9	13
14	On the enhancement of the Indian summer monsoon drying by Pacific multidecadal variability during the latter half of the twentieth century. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9103-9118.	1.2	33
15	Current model capabilities for simulating black carbon and sulfate concentrations in the Arctic atmosphere: a multi-model evaluation using a comprehensive measurement data set. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9413-9433.	1.9	145
16	Evaluating the climate and air quality impacts of short-lived pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10529-10566.	1.9	365
17	Climate responses to anthropogenic emissions of short-lived climate pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8201-8216.	1.9	69
18	Pollution trends over Europe constrain global aerosol forcing as simulated by climate models. <i>Geophysical Research Letters</i> , 2014, 41, 2176-2181.	1.5	75

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19	Robust response of Asian summer monsoon to anthropogenic aerosols in CMIP5 models. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,321.	1.2	65
20	GCM simulations of anthropogenic aerosol-induced changes in aerosol extinction, atmospheric heating and precipitation over India. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2938-2955.	1.2	34
21	Examination of aerosol distributions and radiative effects over the Bay of Bengal and the Arabian Sea region during ICARB using satellite data and a general circulation model. Atmospheric Chemistry and Physics, 2012, 12, 1287-1305.	1.9	17
22	Source identification of aerosols influencing atmospheric extinction: Integrating PMF and PSCF with emission inventories and satellite observations. Journal of Geophysical Research, 2010, 115, .	3.3	11
23	Temporal variability in emission category influence on organic matter aerosols in the Indian region. Geophysical Research Letters, 2009, 36, .	1.5	7
24	Regional and seasonal variations in aerosol optical characteristics and their frequency distributions over India during 2001-2005. Journal of Geophysical Research, 2008, 113, .	3.3	105