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List of Publications by Year
in descending order

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Version: 2024-02-01

29 papers	2,409 citations	394421 19 h-index	526287 27 g-index
35 all docs	35 docs citations	35 times ranked	4569 citing authors

#	Article	IF	Citations
1	The Dynamical Core, Physical Parameterizations, and Basic Simulation Characteristics of the Atmospheric Component AM3 of the GFDL Global Coupled Model CM3. Journal of Climate, 2011, 24, 3484-3519.	3.2	887
2	Historic global biomass burning emissions for CMIP6 (BB4CMIP) based on merging satellite observations with proxies and fire models (1750â€“2015). Geoscientific Model Development, 2017, 10, 3329-3357.	3.6	322
3	Water-soluble organic components in aerosols associated with savanna fires in southern Africa: Identification, evolution, and distribution. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	245
4	Reconstructions of biomass burning from sediment-charcoal records to improve dataâ€“model comparisons. Biogeosciences, 2016, 13, 3225-3244.	3.3	142
5	Effects of humidity on aerosols in southern Africa during the biomass burning season. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	114
6	Deciphering the role of solar-induced thermal stresses in rock weathering. Bulletin of the Geological Society of America, 2016, 128, 1315-1338.	3.3	75
7	Evaluation of PM2.5 measured in an urban setting using a low-cost optical particle counter and a Federal Equivalent Method Beta Attenuation Monitor. Aerosol Science and Technology, 2020, 54, 147-159.	3.1	67
8	Historical (1700â€“2012) global multi-model estimates of the fire emissions from the Fire Modeling Intercomparison Project (FireMIP). Atmospheric Chemistry and Physics, 2019, 19, 12545-12567.	4.9	64
9	Separating agricultural and non-agricultural fire seasonality at regional scales. Biogeosciences, 2012, 9, 3003-3012.	3.3	57
10	Vertical profiles of light scattering, light absorption, and single scattering albedo during the dry, biomass burning season in southern Africa and comparisons of in situ and remote sensing measurements of aerosol optical depths. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	53
11	Airborne measurements of carbonaceous aerosols in southern Africa during the dry biomass burning season. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	43
12	Global Modern Charcoal Dataset (GMCD): A tool for exploring proxy-fire linkages and spatial patterns of biomass burning. Quaternary International, 2018, 488, 3-17.	1.5	43
13	Evaluation of tropical and extratropical Southern Hemisphere African aerosol properties simulated by a climate model. Journal of Geophysical Research, 2009, 114, .	3.3	36
14	Aerosol Properties and Chemical Apportionment of Aerosol Optical Depth at Locations off the U.S. East Coast in July and August 2001. Journals of the Atmospheric Sciences, 2005, 62, 919-933.	1.7	30
15	Chemical apportionment of southern African aerosol mass and optical depth. Atmospheric Chemistry and Physics, 2009, 9, 7643-7655.	4.9	30
16	Quantifying regional, time-varying effects of cropland and pasture on vegetation fire. Biogeosciences, 2015, 12, 6591-6604.	3.3	28
17	A fire model with distinct crop, pasture, and non-agricultural burning: use of new data and a model-fitting algorithm for FINAL.1. Geoscientific Model Development, 2018, 11, 815-842.	3.6	25
18	Warmer, Wetter Climates Accelerate Mechanical Weathering in Field Data, Independent of Stressâ€Loading. Geophysical Research Letters, 2020, 47, 2020GL089062.	4.0	23

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19	Using aircraft measurements to estimate the magnitude and uncertainty of the shortwave direct radiative forcing of southern African biomass burning aerosol. Journal of Geophysical Research, 2008, 113, .	3.3	21
20	Global Lightning Parameterization from CMIP5 Climate Model Output. Journal of Atmospheric and Oceanic Technology, 2015, 32, 434-452.	1.3	21
21	A Global Analysis of Hunter-Gatherers, Broadcast Fire Use, and Lightning-Fire-Prone Landscapes. Fire, 2018, 1, 41.	2.8	21
22	A methodology to retrieve selfâ€consistent aerosol optical properties using common aircraft measurements. Journal of Geophysical Research, 2007, 112, .	3.3	17
23	Fire in the Earth System: Bridging Data and Modeling Research. Bulletin of the American Meteorological Society, 2016, 97, 1069-1072.	3.3	11
24	The Ensemble Oceanic NiÃ±o Index. International Journal of Climatology, 2022, 42, 5321-5341.	3.5	8
25	Land-Cover Dependent Relationships between Fire and Soil Moisture. Fire, 2019, 2, 55.	2.8	7
26	One thousand years of fires: Integrating proxy and model data. Frontiers of Biogeography, 2016, 8, .	1.8	3
27	One thousand years of fires: Integrating proxy and model data. Frontiers of Biogeography, 2016, 8, .	1.8	1
28	Cultural Uses and Impacts of Fire: Past, Present, and Future: Analysis, Integration and Modeling of the Earth System (AIMES), Fourth Young Scholar's Network (YSN) Workshop; Boulder, Colorado, 14â€“18 July 2008. Eos, 2008, 89, 380-380.	0.1	0
29	Estimating Lightning from Microwave Remote Sensing Data. Journal of Applied Meteorology and Climatology, 2016, 55, 2021-2036.	1.5	0