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List of Publications by Year
in descending order

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35 papers	1,582 citations	257429 24 h-index	361001 35 g-index
61 all docs	61 docs citations	61 times ranked	2823 citing authors

#	Article	IF	Citations
1	Seasonal comparisons of GEOS-Chem-TOMAS (GCT) simulations with AERONET-inversion retrievals over sites in the North American and European Arctic. Atmospheric Environment, 2022, 271, 118852.	4.1	2
2	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. Communications Earth & Environment, 2021, 2, .	6.8	32
3	Improved estimates of preindustrial biomass burning reduce the magnitude of aerosol climate forcing in the Southern Hemisphere. Science Advances, 2021, 7, .	10.3	22
4	Quantifying the Health Benefits of Face Masks and Respirators to Mitigate Exposure to Severe Air Pollution. GeoHealth, 2021, 5, e2021GH000482.	4.0	28
5	Nighttime chemistry of biomass burning emissions in urban areas: A dual mobile chamber study. Atmospheric Chemistry and Physics, 2021, 21, 15337-15349.	4.9	10
6	The contribution of black carbon to global ice nucleating particle concentrations relevant to mixed-phase clouds. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22705-22711.	7.1	43
7	Characterization of organic aerosol across the global remote troposphere: a comparison of ATom measurements and global chemistry models. Atmospheric Chemistry and Physics, 2020, 20, 4607-4635.	4.9	66
8	Comparing regional stoveâ€usage patterns and using those patterns to model indoor air quality impacts. Indoor Air, 2020, 30, 521-533.	4.3	7
9	Response of Hurricane Harveyâ€™s rainfall to anthropogenic aerosols: A sensitivity study based on spectral bin microphysics with simulated aerosols. Atmospheric Research, 2020, 242, 104965.	4.1	9
10	Rapid dark aging of biomass burning as an overlooked source of oxidized organic aerosol. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33028-33033.	7.1	63
11	Vertical profiles of light absorption and scattering associated with black carbon particle fractions in the springtime Arctic above 79Â°â€‰N. Atmospheric Chemistry and Physics, 2020, 20, 10545-10563.	4.9	9
12	Evaluation of global simulations of aerosol particle and cloud condensation nuclei number, with implications for cloud droplet formation. Atmospheric Chemistry and Physics, 2019, 19, 8591-8617.	4.9	60
13	A large source of cloud condensation nuclei from new particle formation in the tropics. Nature, 2019, 574, 399-403.	27.8	135
14	Effects of near-source coagulation of biomass burning aerosols on global predictions of aerosol size distributions and implications for aerosol radiative effects. Atmospheric Chemistry and Physics, 2019, 19, 6561-6577.	4.9	27
15	The potential role of methanesulfonic acid (MSA) in aerosol formation and growth and the associated radiative forcings. Atmospheric Chemistry and Physics, 2019, 19, 3137-3160.	4.9	86
16	Arctic marine secondary organic aerosol contributes significantly to summertime particle size distributions in the Canadian Arctic Archipelago. Atmospheric Chemistry and Physics, 2019, 19, 2787-2812.	4.9	38
17	Overview paper: New insights into aerosol and climate in the Arctic. Atmospheric Chemistry and Physics, 2019, 19, 2527-2560.	4.9	134
18	Premature Mortality Due to PM_{2.5} Over India: Effect of Atmospheric Transport and Anthropogenic Emissions. GeoHealth, 2019, 3, 2-10.	4.0	63

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19	Aerosol Optical Depth Over India. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3688-3703.	3.3	73
20	Quantifying the Contribution to Uncertainty in Mortality Attributed to Household, Ambient, and Joint Exposure to PM_{2.5} From Residential Solid Fuel Use. GeoHealth, 2018, 2, 25-39.	4.0	34
21	Ambient Particulate Matter Size Distributions Drive Regional and Global Variability in Particle Deposition in the Respiratory Tract. GeoHealth, 2018, 2, 298-312.	4.0	36
22	Size-resolved mixing state of black carbon in the Canadian high Arctic and implications for simulated direct radiative effect. Atmospheric Chemistry and Physics, 2018, 18, 11345-11361.	4.9	34
23	Field measurements of solid-fuel cookstove emissions from uncontrolled cooking in China, Honduras, Uganda, and India. Atmospheric Environment, 2018, 190, 116-125.	4.1	52
24	Machine Learning to Predict the Global Distribution of Aerosol Mixing State Metrics. Atmosphere, 2018, 9, 15.	2.3	21
25	The Firepower Sweep Test: A novel approach to cookstove laboratory testing. Indoor Air, 2018, 28, 936-949.	4.3	23
26	Improving the Quality of Heavy Precipitation Estimates from Satellite Passive Microwave Rainfall Retrievals. Journal of Hydrometeorology, 2018, 19, 69-85.	1.9	15
27	Important global and regional differences in aerosol cloudâ€albedo effect estimates between simulations with and without prognostic aerosol microphysics. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4003-4018.	3.3	35
28	Secondary organic aerosol formation in biomass-burning plumes: theoretical analysis of lab studies and ambient plumes. Atmospheric Chemistry and Physics, 2017, 17, 5459-5475.	4.9	61
29	Contribution of Arctic seabird-colony ammonia to atmospheric particles and cloud-albedo radiative effect. Nature Communications, 2016, 7, 13444.	12.8	81
30	The aerosol radiative effects of uncontrolled combustion of domestic waste. Atmospheric Chemistry and Physics, 2016, 16, 6771-6784.	4.9	28
31	Source attribution of aerosol size distributions and model evaluation using Whistler Mountain measurements and GEOS-Chem-TOMAS simulations. Atmospheric Chemistry and Physics, 2016, 16, 383-396.	4.9	9
32	Global burden of mortalities due to chronic exposure to ambient PM _{2.5} from open combustion of domestic waste. Environmental Research Letters, 2016, 11, 124022.	5.2	51
33	The importance of interstitial particle scavenging by cloud droplets in shaping the remote aerosol size distribution and global aerosol-climate effects. Atmospheric Chemistry and Physics, 2015, 15, 6147-6158.	4.9	36
34	Uncertainties in global aerosols and climate effects due to biofuel emissions. Atmospheric Chemistry and Physics, 2015, 15, 8577-8596.	4.9	62
35	Environmental controls on storm intensity and charge structure in multiple regions of the continental United States. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6575-6596.	3.3	83