

Prasad Kasibhatla

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

8,950
citations

257450

24
h-index

377865

34
g-index

53
all docs

53
docs citations

53
times ranked

10951
citing authors

#	ARTICLE	IF	CITATIONS
1	Global fire emissions and the contribution of deforestation, savanna, forest, agricultural, and peat fires (1997–2009). Atmospheric Chemistry and Physics, 2010, 10, 11707-11735.	4.9	2,326
2	Global fire emissions estimates during 1997–2016. Earth System Science Data, 2017, 9, 697-720.	9.9	1,159
3	CO2 emissions from forest loss. Nature Geoscience, 2009, 2, 737-738.	12.9	1,095
4	Mortality from Ship Emissions: A Global Assessment. Environmental Science & Technology, 2007, 41, 8512-8518.	10.0	834
5	A human-driven decline in global burned area. Science, 2017, 356, 1356-1362.	12.6	694
6	Continental-Scale Partitioning of Fire Emissions During the 1997 to 2001 El Nino/La Nina Period. Science, 2004, 303, 73-76.	12.6	549
7	Climate regulation of fire emissions and deforestation in equatorial Asia. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20350-20355.	7.1	336
8	Effects of ship emissions on sulphur cycling and radiative climate forcing over the ocean. Nature, 1999, 400, 743-746.	27.8	300
9	Rethinking the global secondary organic aerosol (SOA) budget: stronger production, faster removal, shorter lifetime. Atmospheric Chemistry and Physics, 2016, 16, 7917-7941.	4.9	216
10	Forecasting Fire Season Severity in South America Using Sea Surface Temperature Anomalies. Science, 2011, 334, 787-791.	12.6	197
11	Global Chemical Composition of Ambient Fine Particulate Matter for Exposure Assessment. Environmental Science & Technology, 2014, 48, 13060-13068.	10.0	164
12	Long-term trends and interannual variability of forest, savanna and agricultural fires in South America. Carbon Management, 2013, 4, 617-638.	2.4	120
13	Evaluating the performance of regional-scale photochemical modeling systems: Part II—ozone predictions. Atmospheric Environment, 2001, 35, 4175-4188.	4.1	111
14	Global inorganic nitrate production mechanisms: comparison of a global model with nitrate isotope observations. Atmospheric Chemistry and Physics, 2020, 20, 3859-3877.	4.9	106
15	Time-dependent inversion estimates of global biomass-burning CO emissions using Measurement of Pollution in the Troposphere (MOPITT) measurements. Journal of Geophysical Research, 2006, 111, .	3.3	94
16	Evaluating the performance of regional-scale photochemical modeling systems: Part I—meteorological predictions. Atmospheric Environment, 2001, 35, 4159-4174.	4.1	89
17	Nitrogen deposition in tropical forests from savanna and deforestation fires. Global Change Biology, 2010, 16, 2024-2038.	9.5	84
18	Organic photolysis reactions in tropospheric aerosols: effect on secondary organic aerosol formation and lifetime. Atmospheric Chemistry and Physics, 2015, 15, 9253-9269.	4.9	74

#	ARTICLE	IF	CITATIONS
19	Contribution of ocean, fossil fuel, land biosphere, and biomass burning carbon fluxes to seasonal and interannual variability in atmospheric CO ₂ . Journal of Geophysical Research, 2008, 113, .	3.3	70
20	Global impact of nitrate photolysis in sea-salt aerosol on NO ₂ , OH, and O ₃ in the marine boundary layer. Atmospheric Chemistry and Physics, 2018, 18, 11185-11203.	4.9	62
21	Reconciling Oil Palm Expansion and Climate Change Mitigation in Kalimantan, Indonesia. PLoS ONE, 2015, 10, e0127963.	2.5	50
22	Constraining remote oxidation capacity with ATom observations. Atmospheric Chemistry and Physics, 2020, 20, 7753-7781.	4.9	36
23	Separating the influence of temperature, drought, and fire on interannual variability in atmospheric CO ₂ . Global Biogeochemical Cycles, 2014, 28, 1295-1310.	4.9	33
24	Magnitude, trends, and impacts of ambient long-term ozone exposure in the United States from 2000 to 2015. Atmospheric Chemistry and Physics, 2020, 20, 1757-1775.	4.9	26
25	Heterogeneous Nitrate Production Mechanisms in Intense Haze Events in the North China Plain. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034688.	3.3	25
26	Sulfur and nitrogen levels in the North Atlantic Ocean's atmosphere: A synthesis of field and modeling results. Global Biogeochemical Cycles, 1992, 6, 77-100.	4.9	19
27	Iconic CO ₂ Time Series at Risk. Science, 2012, 337, 1038-1040.	12.6	15
28	Impacts of current and projected oil palm plantation expansion on air quality over Southeast Asia. Atmospheric Chemistry and Physics, 2016, 16, 10621-10635.	4.9	12
29	Bayesian statistical modeling of spatially correlated error structure in atmospheric tracer inverse analysis. Atmospheric Chemistry and Physics, 2011, 11, 5365-5382.	4.9	9
30	Numerical simulation of transport from an infinite line source: Error analysis. Atmospheric Environment, 1988, 22, 75-82.	1.0	8
31	Spatially varying SAR models and Bayesian inference for high-resolution lattice data. Annals of the Institute of Statistical Mathematics, 2014, 66, 473-494.	0.8	5
32	An Eulerian transport/transformation/removal model for SO ₂ and sulfate ^{III} . Comparison with the July 1974 sure database. Atmospheric Environment, 1988, 22, 2003-2011.	1.0	4
33	Correction to "Top-down estimates of global CO sources using MOPITT measurements". Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	4
34	Numerical simulation of transport from a point source: error analysis. Atmospheric Environment Part A General Topics, 1990, 24, 693-702.	1.3	1