Prasad Kasibhatla

List of Publications by Year
in descending order

34 papers	8,950 citations	293460 24 h-index	425179 34 g-index
53 all docs	53 docs citations	53 times ranked	12401 citing authors

#	Article	IF	Citations
1	Heterogeneous Nitrate Production Mechanisms in Intense Haze Events in the North China Plain. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034688.	1.2	25
2	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.	1.9	26
3	Global inorganic nitrate production mechanisms: comparison of a global model with nitrate isotope observations. Atmospheric Chemistry and Physics, 2020, 20, 3859-3877.	1.9	106
4	Constraining remote oxidation capacity with ATom observations. Atmospheric Chemistry and Physics, 2020, 20, 7753-7781.	1.9	36
5	Global impact of nitrate photolysis in sea-salt aerosol on NO_{<i>x</i>}, OH, and O₃ in the marine boundary layer. Atmospheric Chemistry and Physics, 2018, 18, 11185-11203.	1.9	62
6	A human-driven decline in global burned area. Science, 2017, 356, 1356-1362.	6.0	694
7	Global fire emissions estimates during 1997â€“2016. Earth System Science Data, 2017, 9, 697-720.	3.7	1,159
8	Impacts of current and projected oil palm plantation expansion on air quality over Southeast Asia. Atmospheric Chemistry and Physics, 2016, 16, 10621-10635.	1.9	12
9	Rethinking the global secondary organic aerosol (SOA) budget: stronger production, faster removal, shorter lifetime. Atmospheric Chemistry and Physics, 2016, 16, 7917-7941.	1.9	216
10	Organic photolysis reactions in tropospheric aerosols: effect on secondary organic aerosol formation and lifetime. Atmospheric Chemistry and Physics, 2015, 15, 9253-9269.	1.9	74
11	Reconciling Oil Palm Expansion and Climate Change Mitigation in Kalimantan, Indonesia. PLoS ONE, 2015, 10, e0127963.	1.1	50
12	Global Chemical Composition of Ambient Fine Particulate Matter for Exposure Assessment. Environmental Science & Technology, 2014, 48, 13060-13068.	4.6	164
13	Separating the influence of temperature, drought, and fire on interannual variability in atmospheric CO₂. Global Biogeochemical Cycles, 2014, 28, 1295-1310.	1.9	33
14	Spatially varying SAR models and Bayesian inference for high-resolution lattice data. Annals of the Institute of Statistical Mathematics, 2014, 66, 473-494.	0.5	5
15	Long-term trends and interannual variability of forest, savanna and agricultural fires in South America. Carbon Management, 2013, 4, 617-638.	1.2	120
16	Iconic CO ₂ Time Series at Risk. Science, 2012, 337, 1038-1040.	6.0	15
17	Bayesian statistical modeling of spatially correlated error structure in atmospheric tracer inverse analysis. Atmospheric Chemistry and Physics, 2011, 11, 5365-5382.	1.9	9
18	Forecasting Fire Season Severity in South America Using Sea Surface Temperature Anomalies. Science, 2011, 334, 787-791.	6.0	197

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19	Nitrogen deposition in tropical forests from savanna and deforestation fires. Global Change Biology, 2010, 16, 2024-2038.	4.2	84
20	Global fire emissions and the contribution of deforestation, savanna, forest, agricultural, and peat fires (1997â€“2009). Atmospheric Chemistry and Physics, 2010, 10, 11707-11735.	1.9	2,326
21	CO2 emissions from forest loss. Nature Geoscience, 2009, 2, 737-738.	5.4	1,095
22	Contribution of ocean, fossil fuel, land biosphere, and biomass burning carbon fluxes to seasonal and interannual variability in atmospheric CO₂. Journal of Geophysical Research, 2008, 113, .	3.3	70
23	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.	3.3	336
24	Mortality from Ship Emissions: A Global Assessment. Environmental Science & Technology, 2007, 41, 8512-8518.	4.6	834
25	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
26	Continental-Scale Partitioning of Fire Emissions During the 1997 to 2001 El Nino/La Nina Period. Science, 2004, 303, 73-76.	6.0	549
27	Correction to â€œTop-down estimates of global CO sources using MOPITT measurementsâ€• Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	4
28	Evaluating the performance of regional-scale photochemical modeling systems: Part Iâ€”meteorological predictions. Atmospheric Environment, 2001, 35, 4159-4174.	1.9	89
29	Evaluating the performance of regional-scale photochemical modeling systems: Part IIâ€”ozone predictions. Atmospheric Environment, 2001, 35, 4175-4188.	1.9	111
30	Effects of ship emissions on sulphur cycling and radiative climate forcing over the ocean. Nature, 1999, 400, 743-746.	13.7	300
31	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.	1.9	19
32	Numerical simulation of transport from a point source: error analysis. Atmospheric Environment Part A General Topics, 1990, 24, 693-702.	1.3	1
33	An Eulerian transport/transformation/removal model for SO2 and sulfateâ€”III. Comparison with the July 1974 sure database. Atmospheric Environment, 1988, 22, 2003-2011.	1.1	4
34	Numerical simulation of transport from an infinite line source: Error analysis. Atmospheric Environment, 1988, 22, 75-82.	1.1	8