Preeti Rao

List of Publications by Year
in descending order

20	891	516710 16	752698 20
papers	citations	h-index	g-index

27	27	27	1310
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Los Angeles megacity: a high-resolution landâ€“atmosphere modelling system for urban CO₂ emissions. Atmospheric Chemistry and Physics, 2016, 16, 9019-9045.	4.9	101
2	Carbon dioxide and methane measurements from the Los Angeles Megacity Carbon Project â€“ PartÂ1: calibration, urban enhancements, and uncertainty estimates. Atmospheric Chemistry and Physics, 2017, 17, 8313-8341.	4.9	96
3	Inconsistent definitions of â€œurbanâ€•result in different conclusions about the size of urban carbon and nitrogen stocks. Ecological Applications, 2012, 22, 1015-1035.	3.8	89
4	Atmospheric nitrogen inputs and losses along an urbanization gradient from Boston to Harvard Forest, MA. Biogeochemistry, 2014, 121, 229-245.	3.5	79
5	Toward consistency between trends in bottom-up CO₂ emissions and top-down atmospheric measurements in the Los Angeles megacity. Atmospheric Chemistry and Physics, 2016, 16, 3843-3863.	4.9	72
6	Variability, drivers, and effects of atmospheric nitrogen inputs across an urban area: Emerging patterns among human activities, the atmosphere, and soils. Science of the Total Environment, 2017, 609, 1524-1534.	8.0	65
7	Comparison of Global Downscaled Versus Bottomâ€Up Fossil Fuel CO₂ Emissions at the Urban Scale in Four U.S. Urban Areas. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2823-2840.	3.3	61
8	Urban high-resolution fossil fuel CO2 emissions quantification and exploration of emission drivers for potential policy applications. Urban Ecosystems, 2016, 19, 1013-1039.	2.4	51
9	Monthly trends of methane emissions in Los Angeles from 2011 to 2015 inferred by CLARS-FTS observations. Atmospheric Chemistry and Physics, 2016, 16, 13121-13130.	4.9	39
10	The impact of agricultural interventions can be doubled by using satellite data. Nature Sustainability, 2019, 2, 931-934.	23.7	37
11	The Hestia fossil fuel CO₂ emissions data product for the Los Angeles megacity (Hestia-LA). Earth System Science Data, 2019, 11, 1309-1335.	9.9	36
12	Using Sentinel-1, Sentinel-2, and Planet Imagery to Map Crop Type of Smallholder Farms. Remote Sensing, 2021, 13, 1870.	4.0	34
13	On the impact of granularity of space-based urban CO2 emissions in urban atmospheric inversions: A case study for Indianapolis, IN. Elementa, 2017, 5, 28.	3.2	34
14	Field and remotely sensed measures of soil and vegetation carbon and nitrogen across an urbanization gradient in the Boston metropolitan area. Urban Ecosystems, 2013, 16, 593-616.	2.4	32
15	Emissions and topographic effects on column CO 2 () variations, with a focus on the Southern California Megacity. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7200-7215.	3.3	22
16	Vista-LA: Mapping methane-emitting infrastructure in the Los Angeles megacity. Earth System Science Data, 2018, 10, 653-676.	9.9	17
17	Spatio-temporal Variations in on-road CO₂ Emissions in the Los Angeles Megacity. AIMS Geosciences, 2017, 3, 239-267.	1.0	8
18	Using Sentinel-2 to Track Field-Level Tillage Practices at Regional Scales in Smallholder Systems. Remote Sensing, 2021, 13, 5108.	4.0	4

#	Article	IF	Citations
19	Comment on â€œAnalysis of Highâ€Resolution Utility Data for Understanding Energy Use in Urban Systemsâ€. Journal of Industrial Ecology, 2016, 20, 192-193.	5.5	1
20	Optimizing the Spatial Resolution for Urban CO2 Flux Studies Using the Shannon Entropy. Atmosphere, 2017, 8, 90.	2.3	1