

Da Pan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,942
citations

516710

16
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

3006
citing authors

#	ARTICLE	IF	CITATIONS
1	A new open-path eddy covariance method for nitrous oxide and other trace gases that minimizes temperature corrections. <i>Global Change Biology</i> , 2022, 28, 1446-1457.	9.5	3
2	Environmental Consequences of Potential Strategies for China to Prepare for Natural Gas Import Disruptions. <i>Environmental Science & Technology</i> , 2022, 56, 1183-1193.	10.0	6
3	Monthly Patterns of Ammonia Over the Contiguous United States at 2-km Resolution. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090579.	4.0	16
4	Validation of IASI Satellite Ammonia Observations at the Pixel Scale Using In Situ Vertical Profiles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033475.	3.3	28
5	Ammonia Dry Deposition in an Alpine Ecosystem Traced to Agricultural Emission Hotspots. <i>Environmental Science & Technology</i> , 2021, 55, 7776-7785.	10.0	13
6	Air quality, nitrogen use efficiency and food security in China are improved by cost-effective agricultural nitrogen management. <i>Nature Food</i> , 2020, 1, 648-658.	14.0	131
7	Methane emissions from natural gas vehicles in China. <i>Nature Communications</i> , 2020, 11, 4588.	12.8	30
8	Variability of Ammonia and Methane Emissions from Animal Feeding Operations in Northeastern Colorado. <i>Environmental Science & Technology</i> , 2020, 54, 11015-11024.	10.0	23
9	Importance of Superemitter Natural Gas Well Pads in the Marcellus Shale. <i>Environmental Science & Technology</i> , 2019, 53, 4747-4754.	10.0	32
10	Socioeconomic and atmospheric factors affecting aerosol radiative forcing: Production-based versus consumption-based perspective. <i>Atmospheric Environment</i> , 2019, 200, 197-207.	4.1	12
11	Quantifying uncertainties from mobile-laboratory-derived emissions of well pads using inverse Gaussian methods. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15145-15168.	4.9	47
12	Vehicle Emissions as an Important Urban Ammonia Source in the United States and China. <i>Environmental Science & Technology</i> , 2017, 51, 2472-2481.	10.0	202
13	Transboundary health impacts of transported global air pollution and international trade. <i>Nature</i> , 2017, 543, 705-709.	27.8	737
14	Effluent Gas Flux Characterization during Pyrolysis of Chicken Manure. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7568-7575.	6.7	4
15	Lightweight mid-infrared methane sensor for unmanned aerial systems. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	39
16	Open-Path C ₂ H ₆ Sensor for Fast, Low-Power, Measurement of Natural Gas Emissions. , 2017, , .		1
17	Global climate forcing of aerosols embodied in international trade. <i>Nature Geoscience</i> , 2016, 9, 790-794.	12.9	79
18	Characterization of Ammonia, Methane, and Nitrous Oxide Emissions from Concentrated Animal Feeding Operations in Northeastern Colorado. <i>Environmental Science & Technology</i> , 2016, 50, 10885-10893.	10.0	48

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19	Ammonia and methane dairy emission plumes in the San Joaquin Valley of California from individual feedlot to regional scales. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9718-9738.	3.3	30
20	Low-power, open-path mobile sensing platform for high-resolution measurements of greenhouse gases and air pollutants. <i>Applied Physics B: Lasers and Optics</i> , 2015, 119, 153-164.	2.2	42
21	UAV-based laser spectrometer to quantify methane from agricultural and petrochemical activities. , 2015, , .		1
22	Reply to Lopez et al.: Consumption-based accounting helps mitigate global air pollution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2631.	7.1	27
23	China's international trade and air pollution in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1736-1741.	7.1	391