Da Pan

List of Publications by Year
in descending order

23	1,942	516710 16	713466 21
papers	citations	h-index	g-index

23	23	23	3006
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transboundary health impacts of transported global air pollution and international trade. Nature, 2017, 543, 705-709.	27.8	737
2	Chinaâ€™s international trade and air pollution in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1736-1741.	7.1	391
3	Vehicle Emissions as an Important Urban Ammonia Source in the United States and China. Environmental Science & Technology, 2017, 51, 2472-2481.	10.0	202
4	Air quality, nitrogen use efficiency and food security in China are improved by cost-effective agricultural nitrogen management. Nature Food, 2020, 1, 648-658.	14.0	131
5	Global climate forcing of aerosols embodied in international trade. Nature Geoscience, 2016, 9, 790-794.	12.9	79
6	Characterization of Ammonia, Methane, and Nitrous Oxide Emissions from Concentrated Animal Feeding Operations in Northeastern Colorado. Environmental Science & Technology, 2016, 50, 10885-10893.	10.0	48
7	Quantifying uncertainties from mobile-laboratory-derived emissions of well pads using inverse Gaussian methods. Atmospheric Chemistry and Physics, 2018, 18, 15145-15168.	4.9	47
8	Low-power, open-path mobile sensing platform for high-resolution measurements of greenhouse gases and air pollutants. Applied Physics B: Lasers and Optics, 2015, 119, 153-164.	2.2	42
9	Lightweight mid-infrared methane sensor for unmanned aerial systems. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	39
10	Importance of Superemitter Natural Gas Well Pads in the Marcellus Shale. Environmental Science & Technology, 2019, 53, 4747-4754.	10.0	32
11	Ammonia and methane dairy emission plumes in the San Joaquin Valley of California from individual feedlot to regional scales. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9718-9738.	3.3	30
12	Methane emissions from natural gas vehicles in China. Nature Communications, 2020, 11, 4588.	12.8	30
13	Validation of IASI Satellite Ammonia Observations at the Pixel Scale Using In Situ Vertical Profiles. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033475.	3.3	28
14	Reply to Lopez et al.: Consumption-based accounting helps mitigate global air pollution. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2631.	7.1	27
15	Variability of Ammonia and Methane Emissions from Animal Feeding Operations in Northeastern Colorado. Environmental Science & Technology, 2020, 54, 11015-11024.	10.0	23
16	Monthly Patterns of Ammonia Over the Contiguous United States at 2â€‰km Resolution. Geophysical Research Letters, 2021, 48, e2020GL090579.	4.0	16
17	Ammonia Dry Deposition in an Alpine Ecosystem Traced to Agricultural Emission Hotpots. Environmental Science & Technology, 2021, 55, 7776-7785.	10.0	13
18	Socioeconomic and atmospheric factors affecting aerosol radiative forcing: Production-based versus consumption-based perspective. Atmospheric Environment, 2019, 200, 197-207.	4.1	12

#	Article	IF	Citations
19	Environmental Consequences of Potential Strategies for China to Prepare for Natural Gas Import Disruptions. Environmental Science & Technology, 2022, 56, 1183-1193.	10.0	6
20	Effluent Gas Flux Characterization during Pyrolysis of Chicken Manure. ACS Sustainable Chemistry and Engineering, 2017, 5, 7568-7575.	6.7	4
21	A new openâ€path eddy covariance method for nitrous oxide and other trace gases that minimizes temperature corrections. Global Change Biology, 2022, 28, 1446-1457.	9.5	3
22	UAV-based laser spectrometer to quantify methane from agricultural and petrochemical activities. , 2015, , .		1
23	Open-Path C2H6 Sensor for Fast, Low-Power, Measurement of Natural Gas Emissions. , 2017, , .		1