Tara I Yacovitch

List of Publications by Year
in descending order

30	1,824	304743	477307
papers	citations	22 h-index	29 g-index

42	42	42	1474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reconciling divergent estimates of oil and gas methane emissions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15597-15602.	7.1	209
2	Aircraft-Based Estimate of Total Methane Emissions from the Barnett Shale Region. Environmental Science & Technology, 2015, 49, 8124-8131.	10.0	190
3	Measurements of Methane Emissions from Natural Gas Gathering Facilities and Processing Plants: Measurement Results. Environmental Science & Technology, 2015, 49, 3219-3227.	10.0	133
4	Constructing a Spatially Resolved Methane Emission Inventory for the Barnett Shale Region. Environmental Science & Technology, 2015, 49, 8147-8157.	10.0	133
5	Methane Emissions from Natural Gas Compressor Stations in the Transmission and Storage Sector: Measurements and Comparisons with the EPA Greenhouse Gas Reporting Program Protocol. Environmental Science & Technology, 2015, 49, 3252-3261.	10.0	129
6	Mobile Laboratory Observations of Methane Emissions in the Barnett Shale Region. Environmental Science & Technology, 2015, 49, 7889-7895.	10.0	128
7	Demonstration of an Ethane Spectrometer for Methane Source Identification. Environmental Science & Technology, 2014, 48, 8028-8034.	10.0	101
8	Airborne Ethane Observations in the Barnett Shale: Quantification of Ethane Flux and Attribution of Methane Emissions. Environmental Science & Technology, 2015, 49, 8158-8166.	10.0	100
9	Aircraft-Based Measurements of Point Source Methane Emissions in the Barnett Shale Basin. Environmental Science & Technology, 2015, 49, 7904-7913.	10.0	93
10	Measurements of methane emissions from natural gas gathering facilities and processing plants: measurement methods. Atmospheric Measurement Techniques, 2015, 8, 2017-2035.	3.1	82
11	Recent progress in laser-based trace gas instruments: performance and noise analysis. Applied Physics B: Lasers and Optics, 2015, 119, 203-218.	2.2	64
12	Comparison of methane emission estimates from multiple measurement techniques at natural gas production pads. Elementa, 2017, 5, .	3.2	49
13	Methane Emissions from Offshore Oil and Gas Platforms in the Gulf of Mexico. Environmental Science & Technology, 2020, 54, 3530-3538.	10.0	48
14	Methane emissions from oil and gas production sites in Alberta, Canada. Elementa, 2018, 6, .	3.2	45
15	Revisiting global fossil fuel and biofuel emissions of ethane. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2493-2512.	3.3	43
16	Characterization of methane emissions from five cold heavy oil production with sands (CHOPS) facilities. Journal of the Air and Waste Management Association, 2018, 68, 671-684.	1.9	32
17	Natural gas facility methane emissions: measurements by tracer flux ratio in two US natural gas producing basins. Elementa, 2017, 5, .	3.2	31
18	Comparing facility-level methane emission rate estimates at natural gas gathering and boosting stations. Elementa, 2017, 5, .	3.2	29

#	Article	IF	Citations
19	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
20	Emission factors of black carbon and co-pollutants from diesel vehicles in Mexico City. Atmospheric Chemistry and Physics, 2017, 17, 15293-15305.	4.9	26
21	Methane emissions in the Netherlands: The Groningen field. Elementa, 2018, 6, .	3.2	25
22	Using Observations and Sourceâ€Specific Model Tracers to Characterize Pollutant Transport During FRAPPÃ‰ and DISCOVERâ€AQ. Journal of Geophysical Research D: Atmospheres, 2017, 122, 10510-10538.	3.3	22
23	Use of Light Alkane Fingerprints in Attributing Emissions from Oil and Gas Production. Environmental Science & Technology, 2019, 53, 5483-5492.	10.0	20
24	Characterization of ozone production in San Antonio, Texas, using measurements of total peroxy radicals. Atmospheric Chemistry and Physics, 2019, 19, 2845-2860.	4.9	16
25	Mobile Near-Field Measurements of Biomass Burning Volatile Organic Compounds: Emission Ratios and Factor Analysis. Environmental Science and Technology Letters, 2022, 9, 383-390.	8.7	13
26	Using the tracer flux ratio method with flight measurements to estimate dairy farm CH₄ emissions in central California. Atmospheric Measurement Techniques, 2019, 12, 2085-2095.	3.1	10
27	Methane source attribution in a U.S. dry gas basin using spatial patterns of ground and airborne ethane and methane measurements. Elementa, 2019, 7, .	3.2	10
28	Traffic, transport, and vegetation drive VOC concentrations in a major urban area in Texas. Science of the Total Environment, 2022, 838, 155861.	8.0	5
29	Ground-based investigation of HO_{<i>x</i>} and ozone chemistry in biomass burning plumes in rural Idaho. Atmospheric Chemistry and Physics, 2022, 22, 4909-4928.	4.9	4
30	Isotopes on a Boat: Real-Time Spectroscopic Measurement of Methane Isotopologues from Offshore Oil and Gas Emissions. , 2021, , .		0