

Joannes D Maasakkers

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9698915/publications.pdf>

Version: 2024-02-01

29
papers

2,093
citations

304743

22
h-index

477307

29
g-index

42
all docs

42
docs citations

42
times ranked

1786
citing authors

#	ARTICLE	IF	CITATIONS
1	Methane emissions in the United States, Canada, and Mexico: evaluation of national methane emission inventories and 2010–2017 sectoral trends by inverse analysis of in situ (GLOBALVIEWplus) Tj ETQq1 1 0.784314 rgBT /Overlock 101 Atmospheric Chemistry and Physics, 2022, 22, 395-418.	4.9	25
2	Satellites Detect Abatable Super-Emissions in One of the World's Largest Methane Hotspot Regions. Environmental Science & Technology, 2022, 56, 2143-2152.	10.0	40
3	The 2019 methane budget and uncertainties at 1° resolution and each country through Bayesian integration Of GOSAT total column methane data and a priori inventory estimates. Atmospheric Chemistry and Physics, 2022, 22, 6811-6841.	4.9	24
4	A high-resolution gridded inventory of coal mine methane emissions for India and Australia. Elementa, 2022, 10, .	3.2	5
5	Multisatellite Imaging of a Gas Well Blowout Enables Quantification of Total Methane Emissions. Geophysical Research Letters, 2021, 48, e2020GL090864.	4.0	39
6	A tale of two regions: methane emissions from oil and gas production in offshore/onshore Mexico. Environmental Research Letters, 2021, 16, 024019.	5.2	30
7	Global methane budget and trend, 2010–2017: complementarity of inverse analyses using in situ (GLOBALVIEWplus CH ₄ and ObsPack) and satellite (GOSAT) observations. Atmospheric Chemistry and Physics, 2021, 21, 4637-4657.	4.9	55
8	2010–2015 North American methane emissions, sectoral contributions, and trends: a high-resolution inversion of GOSAT observations of atmospheric methane. Atmospheric Chemistry and Physics, 2021, 21, 4339-4356.	4.9	45
9	Attribution of the accelerating increase in atmospheric methane during 2010–2018 by inverse analysis of GOSAT observations. Atmospheric Chemistry and Physics, 2021, 21, 3643-3666.	4.9	68
10	Satellite-based survey of extreme methane emissions in the Permian basin. Science Advances, 2021, 7, .	10.3	66
11	Reduced-cost construction of Jacobian matrices for high-resolution inversions of satellite observations of atmospheric composition. Atmospheric Measurement Techniques, 2021, 14, 5521-5534.	3.1	5
12	Satellite Constraints on the Latitudinal Distribution and Temperature Sensitivity of Wetland Methane Emissions. AGU Advances, 2021, 2, e2021AV000408.	5.4	31
13	Global distribution of methane emissions: a comparative inverse analysis of observations from the TROPOMI and GOSAT satellite instruments. Atmospheric Chemistry and Physics, 2021, 21, 14159-14175.	4.9	54
14	Sustained methane emissions from China after 2012 despite declining coal production and rice-cultivated area. Environmental Research Letters, 2021, 16, 104018.	5.2	19
15	Methane Emissions from Superemitting Coal Mines in Australia Quantified Using TROPOMI Satellite Observations. Environmental Science & Technology, 2021, 55, 16573-16580.	10.0	39
16	A Bayesian framework for deriving sector-based methane emissions from top-down fluxes. Communications Earth & Environment, 2021, 2, .	6.8	12
17	Estimating 2010–2015 anthropogenic and natural methane emissions in Canada using ECCC surface and GOSAT satellite observations. Atmospheric Chemistry and Physics, 2021, 21, 18101-18121.	4.9	11
18	Quantifying methane emissions from the largest oil-producing basin in the United States from space. Science Advances, 2020, 6, eaaz5120.	10.3	155

#	ARTICLE	IF	CITATIONS
19	A global gridded (0.1°–0.1°) inventory of methane emissions from oil, gas, and coal exploitation based on national reports to the United Nations Framework Convention on Climate Change. <i>Earth System Science Data</i> , 2020, 12, 563-575.	9.9	60
20	Global distribution of methane emissions, emission trends, and OH concentrations and trends inferred from an inversion of GOSAT satellite data for 2010–2015. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7859-7881.	4.9	111
21	Satellite observations reveal extreme methane leakage from a natural gas well blowout. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26376-26381.	7.1	107
22	High-resolution inversion of methane emissions in the Southeast US using SEAC<sup>4</sup>RS aircraft observations of atmospheric methane: anthropogenic and wetland sources. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6483-6491.	4.9	38
23	Comparative analysis of low-Earth orbit (TROPOMI) and geostationary (GeoCARB, GEO-CAPE) satellite instruments for constraining methane emissions on fine regional scales: application to the Southeast US. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6379-6388.	3.1	17
24	Monitoring global tropospheric OH concentrations using satellite observations of atmospheric methane. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15959-15973.	4.9	34
25	2010–2016 methane trends over Canada, the United States, and Mexico observed by the GOSAT satellite: contributions from different source sectors. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12257-12267.	4.9	35
26	Assessment of methane emissions from the U.S. oil and gas supply chain. <i>Science</i> , 2018, 361, 186-188.	12.6	519
27	A high-resolution (0.1°–0.1°) inventory of methane emissions from Canadian and Mexican oil and gas systems. <i>Atmospheric Environment</i> , 2017, 158, 211-215.	4.1	34
28	Gridded National Inventory of U.S. Methane Emissions. <i>Environmental Science & Technology</i> , 2016, 50, 13123-13133.	10.0	165
29	Satellite observations of atmospheric methane and their value for quantifying methane emissions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14371-14396.	4.9	230