

Joannes D Maasakkers

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,093
citations

304368

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476904

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42
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docs citations

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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. | 1.9 | 25 |
| 2 | Satellites Detect Abatable Super-Emissions in One of the World’s Largest Methane Hotspot Regions. Environmental Science & Technology, 2022, 56, 2143-2152. | 4.6 | 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. | 1.9 | 24 |
| 4 | A high-resolution gridded inventory of coal mine methane emissions for India and Australia. Elementa, 2022, 10, . | 1.1 | 5 |
| 5 | Multisatellite Imaging of a Gas Well Blowout Enables Quantification of Total Methane Emissions. Geophysical Research Letters, 2021, 48, e2020GL090864. | 1.5 | 39 |
| 6 | A tale of two regions: methane emissions from oil and gas production in offshore/onshore Mexico. Environmental Research Letters, 2021, 16, 024019. | 2.2 | 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. | 1.9 | 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. | 1.9 | 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. | 1.9 | 68 |
| 10 | Satellite-based survey of extreme methane emissions in the Permian basin. Science Advances, 2021, 7, . | 4.7 | 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. | 1.2 | 5 |
| 12 | Satellite Constraints on the Latitudinal Distribution and Temperature Sensitivity of Wetland Methane Emissions. AGU Advances, 2021, 2, e2021AV000408. | 2.3 | 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. | 1.9 | 54 |
| 14 | Sustained methane emissions from China after 2012 despite declining coal production and rice-cultivated area. Environmental Research Letters, 2021, 16, 104018. | 2.2 | 19 |
| 15 | Methane Emissions from Superemitting Coal Mines in Australia Quantified Using TROPOMI Satellite Observations. Environmental Science & Technology, 2021, 55, 16573-16580. | 4.6 | 39 |
| 16 | A Bayesian framework for deriving sector-based methane emissions from top-down fluxes. Communications Earth & Environment, 2021, 2, . | 2.6 | 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. | 1.9 | 11 |
| 18 | Quantifying methane emissions from the largest oil-producing basin in the United States from space. Science Advances, 2020, 6, eaaz5120. | 4.7 | 155 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 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. | 3.7 | 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. | 1.9 | 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. | 3.3 | 107 |
| 22 | High-resolution inversion of methane emissions in the Southeast US using SEAC4RS aircraft observations of atmospheric methane: anthropogenic and wetland sources. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6483-6491. | 1.9 | 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. | 1.2 | 17 |
| 24 | Monitoring global tropospheric OH concentrations using satellite observations of atmospheric methane. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15959-15973. | 1.9 | 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. | 1.9 | 35 |
| 26 | Assessment of methane emissions from the U.S. oil and gas supply chain. <i>Science</i> , 2018, 361, 186-188. | 6.0 | 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. | 1.9 | 34 |
| 28 | Gridded National Inventory of U.S. Methane Emissions. <i>Environmental Science & Technology</i> , 2016, 50, 13123-13133. | 4.6 | 165 |
| 29 | Satellite observations of atmospheric methane and their value for quantifying methane emissions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14371-14396. | 1.9 | 230 |