Marielle Saunois

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Regional trends and drivers of the global methane budget. Global Change Biology, 2022, 28, 182-200.	4.2	56
2	Anthropogenic emission is the main contributor to the rise of atmospheric methane during 1993â€“2017. National Science Review, 2022, 9, nwab200.	4.6	20
3	Comparing national greenhouse gas budgets reported in UNFCCC inventories against atmospheric inversions. Earth System Science Data, 2022, 14, 1639-1675.	3.7	58
4	Analysis of the Anthropogenic and Biogenic NO_x Emissions Over 2008â€“2017: Assessment of the Trends in the 30 Most Populated Urban Areas in Europe. Geophysical Research Letters, 2021, 48, e2020GL092206.	1.5	5
5	Accelerating methane growth rate from 2010 to 2017: leading contributions from the tropics and East Asia. Atmospheric Chemistry and Physics, 2021, 21, 12631-12647.	1.9	23
6	Ten new insights in climate science 2021: a horizon scan. Global Sustainability, 2021, 4, .	1.6	26
7	Increasing anthropogenic methane emissions arise equally from agricultural and fossil fuel sources. Environmental Research Letters, 2020, 15, 071002.	2.2	232
8	Diagnosing Mixing Properties in Model Simulations for CH₄ in the Stratosphere. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032524.	1.2	2
9	The Global Methane Budget 2000â€“2017. Earth System Science Data, 2020, 12, 1561-1623.	3.7	1,199
10	Inter-model comparison of global hydroxyl radical (OH) distributions and their impact on atmospheric methane over the 2000â€“2016 period. Atmospheric Chemistry and Physics, 2019, 19, 13701-13723.	1.9	52
11	Inverse modelling of European CH₄ emissions during 2006â€“2012 using different inverse models and reassessed atmospheric observations. Atmospheric Chemistry and Physics, 2018, 18, 901-920.	1.9	77
12	U.S. CH₄ emissions from oil and gas production: Have recent large increases been detected?. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4070-4083.	1.2	47
13	Global wetland contribution to 2000â€“2012 atmospheric methane growth rate dynamics. Environmental Research Letters, 2017, 12, 094013.	2.2	129
14	Variability and quasi-decadal changes in the methane budget over the period 2000â€“2012. Atmospheric Chemistry and Physics, 2017, 17, 11135-11161.	1.9	85
15	The growing role of methane in anthropogenic climate change. Environmental Research Letters, 2016, 11, 120207.	2.2	274
16	The global methane budget 2000â€“2012. Earth System Science Data, 2016, 8, 697-751.	3.7	824
17	Sensitivity of the recent methane budget to LMDz sub-grid-scale physical parameterizations. Atmospheric Chemistry and Physics, 2015, 15, 9765-9780.	1.9	45
18	Three decades of global methane sources and sinks. Nature Geoscience, 2013, 6, 813-823.	5.4	1,649

#	Article	IF	Citations
19	Impact of transport model errors on the global and regional methane emissions estimated by inverse modelling. Atmospheric Chemistry and Physics, 2013, 13, 9917-9937.	1.9	68
20	Impact of sampling frequency in the analysis of tropospheric ozone observations. Atmospheric Chemistry and Physics, 2012, 12, 6757-6773.	1.9	38