

Marielle Saunois

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

5,051
citations

430754

18
h-index

752573

20
g-index

22
all docs

22
docs citations

22
times ranked

6348
citing authors

#	ARTICLE	IF	CITATIONS
1	Three decades of global methane sources and sinks. <i>Nature Geoscience</i> , 2013, 6, 813-823.	5.4	1,649
2	The Global Methane Budget 2000–2017. <i>Earth System Science Data</i> , 2020, 12, 1561-1623.	3.7	1,199
3	The global methane budget 2000–2012. <i>Earth System Science Data</i> , 2016, 8, 697-751.	3.7	824
4	The growing role of methane in anthropogenic climate change. <i>Environmental Research Letters</i> , 2016, 11, 120207.	2.2	274
5	Increasing anthropogenic methane emissions arise equally from agricultural and fossil fuel sources. <i>Environmental Research Letters</i> , 2020, 15, 071002.	2.2	232
6	Global wetland contribution to 2000–2012 atmospheric methane growth rate dynamics. <i>Environmental Research Letters</i> , 2017, 12, 094013.	2.2	129
7	Variability and quasi-decadal changes in the methane budget over the period 2000–2012. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11135-11161.	1.9	85
8	Inverse modelling of European CH ₄ emissions during 2006–2012 using different inverse models and reassessed atmospheric observations. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 901-920.	1.9	77
9	Impact of transport model errors on the global and regional methane emissions estimated by inverse modelling. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9917-9937.	1.9	68
10	Comparing national greenhouse gas budgets reported in UNFCCC inventories against atmospheric inversions. <i>Earth System Science Data</i> , 2022, 14, 1639-1675.	3.7	58
11	Regional trends and drivers of the global methane budget. <i>Global Change Biology</i> , 2022, 28, 182-200.	4.2	56
12	Inter-model comparison of global hydroxyl radical (OH) distributions and their impact on atmospheric methane over the 2000–2016 period. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 13701-13723.	1.9	52
13	U.S. CH ₄ emissions from oil and gas production: Have recent large increases been detected?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4070-4083.	1.2	47
14	Sensitivity of the recent methane budget to LMDz sub-grid-scale physical parameterizations. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9765-9780.	1.9	45
15	Impact of sampling frequency in the analysis of tropospheric ozone observations. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6757-6773.	1.9	38
16	Ten new insights in climate science 2021: a horizon scan. <i>Global Sustainability</i> , 2021, 4, .	1.6	26
17	Accelerating methane growth rate from 2010 to 2017: leading contributions from the tropics and East Asia. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12631-12647.	1.9	23
18	Anthropogenic emission is the main contributor to the rise of atmospheric methane during 1993–2017. <i>National Science Review</i> , 2022, 9, nwab200.	4.6	20

#	ARTICLE	IF	CITATIONS
19	Analysis of the Anthropogenic and Biogenic NO _x Emissions Over 2008–2017: Assessment of the Trends in the 30 Most Populated Urban Areas in Europe. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092206.	1.5	5
20	Diagnosing Mixing Properties in Model Simulations for CH ₄ in the Stratosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032524.	1.2	2