

Scot M Miller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11644219/publications.pdf>

Version: 2024-02-01

24
papers

1,062
citations

687363

13
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

2178
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications of Generation Efficiencies and Supply Chain Leaks for the Life Cycle Greenhouse Gas Emissions of Natural Gas-Fired Electricity in the United States. <i>Environmental Science & Technology</i> , 2022, 56, 2540-2550.	10.0	5
2	Surface Ozone-Temperature Relationship: The Meridional Gradient Ratio Approximation. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
3	Jet Stream-Surface Tracer Relationships: Mechanism and Sensitivity to Source Region. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	3
4	Linking global terrestrial CO ₂ fluxes and environmental drivers: inferences from the Orbiting Carbon Observatory-2 satellite and terrestrial biospheric models. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6663-6680.	4.9	10
5	Five years of variability in the global carbon cycle: comparing an estimate from the Orbiting Carbon Observatory-2 and process-based models. <i>Environmental Research Letters</i> , 2021, 16, 054041.	5.2	8
6	Underestimates of methane from intensively raised animals could undermine goals of sustainable development. <i>Environmental Research Letters</i> , 2021, 16, 063006.	5.2	7
7	Data reduction for inverse modeling: an adaptive approach v1.0. <i>Geoscientific Model Development</i> , 2021, 14, 4683-4696.	3.6	3
8	Higher Autumn Temperatures Lead to Contrasting CO ₂ Flux Responses in Boreal Forests Versus Tundra and Shrubland. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093843.	4.0	2
9	Potential Uses of Coal Methane in China and Associated Benefits for Air Quality, Health, and Climate. <i>Environmental Science & Technology</i> , 2020, 54, 12447-12455.	10.0	9
10	Geostatistical inverse modeling with very large datasets: an example from the Orbiting Carbon Observatory 2 (OCO-2) satellite. <i>Geoscientific Model Development</i> , 2020, 13, 1771-1785.	3.6	18
11	The impact of improved satellite retrievals on estimates of biospheric carbon balance. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 323-331.	4.9	19
12	China's coal mine methane regulations have not curbed growing emissions. <i>Nature Communications</i> , 2019, 10, 303.	12.8	125
13	Characterizing biospheric carbon balance using CO ₂ observations from the OCO-2 satellite. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6785-6799.	4.9	27
14	Carbon dioxide sources from Alaska driven by increasing early winter respiration from Arctic tundra. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5361-5366.	7.1	149
15	Constraining sector-specific CO ₂ and CH ₄ emissions in the US. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3963-3985.	4.9	19
16	Atmospheric inverse modeling via sparse reconstruction. <i>Geoscientific Model Development</i> , 2017, 10, 3695-3713.	3.6	6
17	Evaluation of wetland methane emissions across North America using atmospheric data and inverse modeling. <i>Biogeosciences</i> , 2016, 13, 1329-1339.	3.3	21
18	A multiyear estimate of methane fluxes in Alaska from CARVE atmospheric observations. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1441-1453.	4.9	36

#	ARTICLE	IF	CITATIONS
19	Continued emissions of carbon tetrachloride from the United States nearly two decades after its phaseout for dispersive uses. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2880-2885.	7.1	32
20	Observational constraints on the distribution, seasonality, and environmental predictors of North American boreal methane emissions. Global Biogeochemical Cycles, 2014, 28, 146-160.	4.9	37
21	Reply to Hristov et al.: Linking methane emissions inventories with atmospheric observations. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1321.	7.1	4
22	Global emissions of refrigerants HCFC-22 and HFC-134a: Unforeseen seasonal contributions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17379-17384.	7.1	59
23	Anthropogenic emissions of methane in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20018-20022.	7.1	437
24	Nitrous oxide (N ₂ O) emissions from California based on 2010 CalNex airborne measurements. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2809-2820.	3.3	24