Scot M Miller

List of Publications by Year
in descending order

#	Article	IF	Citations
1	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
2	Carbon dioxide sources from Alaska driven by increasing early winter respiration from Arctic tundra. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5361-5366.	7.1	149
3	Chinaâ€™s coal mine methane regulations have not curbed growing emissions. Nature Communications, 2019, 10, 303.	12.8	125
4	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
5	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
6	A multiyear estimate of methane fluxes in Alaska from CARVE atmospheric observations. Global Biogeochemical Cycles, 2016, 30, 1441-1453.	4.9	36
7	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
8	Characterizing biospheric carbon balance using CO₂ observations from the OCO-2 satellite. Atmospheric Chemistry and Physics, 2018, 18, 6785-6799.	4.9	27
9	Nitrous oxide (N₂O) emissions from California based on 2010 CalNex airborne measurements. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2809-2820.	3.3	24
10	Evaluation of wetland methane emissions across North America using atmospheric data and inverse modeling. Biogeosciences, 2016, 13, 1329-1339.	3.3	21
11	Constraining sector-specific CO₂ and CH₄ emissions in the US. Atmospheric Chemistry and Physics, 2017, 17, 3963-3985.	4.9	19
12	The impact of improved satellite retrievals on estimates of biospheric carbon balance. Atmospheric Chemistry and Physics, 2020, 20, 323-331.	4.9	19
13	Geostatistical inverse modeling with very large datasets: an example from the Orbiting Carbon Observatory 2 (OCO-2) satellite. Geoscientific Model Development, 2020, 13, 1771-1785.	3.6	18
14	Linking global terrestrial CO₂ fluxes and environmental drivers: inferences from the Orbiting Carbon ObservatoryÂ2 satellite and terrestrial biospheric models. Atmospheric Chemistry and Physics, 2021, 21, 6663-6680.	4.9	10
15	Potential Uses of Coal Methane in China and Associated Benefits for Air Quality, Health, and Climate. Environmental Science & Technology, 2020, 54, 12447-12455.	10.0	9
16	Five years of variability in the global carbon cycle: comparing an estimate from the Orbiting Carbon Observatory-2 and process-based models. Environmental Research Letters, 2021, 16, 054041.	5.2	8
17	Underestimates of methane from intensively raised animals could undermine goals of sustainable development. Environmental Research Letters, 2021, 16, 063006.	5.2	7
18	Atmospheric inverse modeling via sparse reconstruction. Geoscientific Model Development, 2017, 10, 3695-3713.	3.6	6

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19	Implications of Generation Efficiencies and Supply Chain Leaks for the Life Cycle Greenhouse Gas Emissions of Natural Gas-Fired Electricity in the United States. Environmental Science & Technology, 2022, 56, 2540-2550.	10.0	5
20	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
21	Jet Streamâ€Surface Tracer Relationships: Mechanism and Sensitivity to Source Region. Geophysical Research Letters, 2021, 48, .	4.0	3
22	Data reduction for inverse modeling: an adaptive approach v1.0. Geoscientific Model Development, 2021, 14, 4683-4696.	3.6	3
23	Higher Autumn Temperatures Lead to Contrasting CO 2 Flux Responses in Boreal Forests Versus Tundra and Shrubland. Geophysical Research Letters, 2021, 48, e2021GL093843.	4.0	2
24	Surface Ozoneâ€Temperature Relationship: The Meridional Gradient Ratio Approximation. Geophysical Research Letters, 2022, 49, .	4.0	2