

Amy Townsend-Small

List of Publications by Year in descending order

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41
papers

2,721
citations

186265
28
h-index

276875
41
g-index

43
all docs

43
docs citations

43
times ranked

3949
citing authors

#	ARTICLE	IF	CITATIONS
1	Street-level methane emissions of Bucharest, Romania and the dominance of urban wastewater.. Atmospheric Environment: X, 2022, 13, 100153.	1.4	8
2	Direct measurements from shut-in and other abandoned wells in the Permian Basin of Texas indicate some wells are a major source of methane emissions and produced water. Environmental Research Letters, 2021, 16, 054081.	5.2	23
3	Measurements show that marginal wells are a disproportionate source of methane relative to production. Journal of the Air and Waste Management Association, 2020, 70, 1030-1042.	1.9	18
4	Methane Mitigation: Methods to Reduce Emissions, on the Path to the Paris Agreement. Reviews of Geophysics, 2020, 58, e2019RG000675.	23.0	163
5	Methane and nitrous oxide measured throughout Lake Erie over all seasons indicate highest emissions from the eutrophic Western Basin. Journal of Great Lakes Research, 2020, 46, 1604-1614.	1.9	14
6	Street-level emissions of methane and nitrous oxide from the wastewater collection system in Cincinnati, Ohio. Environmental Pollution, 2018, 236, 247-256.	7.5	16
7	Greenhouse gas emissions from diverse Arctic Alaskan lakes are dominated by young carbon. Nature Climate Change, 2018, 8, 166-171.	18.8	72
8	Monitoring concentration and isotopic composition of methane in groundwater in the Utica Shale hydraulic fracturing region of Ohio. Environmental Monitoring and Assessment, 2018, 190, 322.	2.7	19
9	Assessment of methane emissions from the U.S. oil and gas supply chain. Science, 2018, 361, 186-188.	12.6	519
10	Can Deep Groundwater Influx be Detected from the Geochemistry of Thermokarst Lakes in Arctic Alaska?. Permafrost and Periglacial Processes, 2017, 28, 552-557.	3.4	8
11	Spatial and Temporal Variation in Methane Concentrations, Fluxes, and Sources in Lakes in Arctic Alaska. Journal of Geophysical Research C: Biogeosciences, 2017, 122, 2966-2981.	3.0	18
12	Impact of Land-Use History and Forest Trees on Soil Organic Carbon and Nitrogen Stocks. Soil Science Society of America Journal, 2016, 80, 1089-1097.	2.2	6
13	Emissions of coalbed and natural gas methane from abandoned oil and gas wells in the United States. Geophysical Research Letters, 2016, 43, 2283-2290.	4.0	100
14	Estimating Emissions of Toxic Hydrocarbons from Natural Gas Production Sites in the Barnett Shale Region of Northern Texas. Environmental Science & Technology, 2016, 50, 10756-10764.	10.0	41
15	Using stable isotopes of hydrogen to quantify biogenic and thermogenic atmospheric methane sources: A case study from the Colorado Front Range. Geophysical Research Letters, 2016, 43, 11,462.	4.0	34
16	Quantifying emissions of methane derived from anaerobic organic matter respiration and natural gas extraction in Lake Erie. Limnology and Oceanography, 2016, 61, S356.	3.1	32
17	Effect of <i>Lonicera maackii</i> on Soil Carbon and Nitrogen in Southwestern Ohio Forests. Invasive Plant Science and Management, 2015, 8, 375-384.	1.1	15
18	Shallow Groundwater Conveyance of Geologically Derived Contaminants to Urban Creeks in Southern California. Environmental Science & Technology, 2015, 49, 9610-9619.	10.0	5

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19	Sensor transition failure in the high flow sampler: Implications for methane emission inventories of natural gas infrastructure. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 856-862.	1.9	41
20	Reconciling divergent estimates of oil and gas methane emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15597-15602.	7.1	209
21	Integrating Source Apportionment Tracers into a Bottom-up Inventory of Methane Emissions in the Barnett Shale Hydraulic Fracturing Region. <i>Environmental Science & Technology</i> , 2015, 49, 8175-8182.	10.0	55
22	Direct Measurements Show Decreasing Methane Emissions from Natural Gas Local Distribution Systems in the United States. <i>Environmental Science & Technology</i> , 2015, 49, 5161-5169.	10.0	152
23	Impact of direct greenhouse gas emissions on the carbon footprint of water reclamation processes employing nitrification–denitrification. <i>Science of the Total Environment</i> , 2015, 505, 1166-1173.	8.0	24
24	Climatic and topographic controls on soil organic matter storage and dynamics in the Indian Himalaya: Potential carbon cycle–climate change feedbacks. <i>Catena</i> , 2014, 119, 125-135.	5.0	40
25	High Methane Emissions from a Midlatitude Reservoir Draining an Agricultural Watershed. <i>Environmental Science & Technology</i> , 2014, 48, 11100-11108.	10.0	76
26	Timing and climatic drivers for glaciation across monsoon-influenced regions of the Himalayan–Tibetan orogen. <i>Quaternary Science Reviews</i> , 2014, 88, 159-182.	3.0	135
27	Nitrous oxide cycling in the water column and sediments of the oxygen minimum zone, eastern subtropical North Pacific, Southern California, and Northern Mexico (23°N-34°N). <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3158-3170.	2.6	16
28	Denitrification alternates between a source and sink of nitrous oxide in the hypolimnion of a thermally stratified reservoir. <i>Limnology and Oceanography</i> , 2014, 59, 495-506.	3.1	57
29	River export of nutrients and organic matter from the North Slope of Alaska to the Beaufort Sea. <i>Water Resources Research</i> , 2014, 50, 1823-1839.	4.2	89
30	Nitrogen losses in anoxic marine sediments driven by Thioploca–anammox bacterial consortia. <i>Nature</i> , 2013, 500, 194-198.	27.8	96
31	Increasing summer river discharge in southern California, USA, linked to urbanization. <i>Geophysical Research Letters</i> , 2013, 40, 4643-4647.	4.0	36
32	Isotopic measurements of atmospheric methane in Los Angeles, California, USA: Influence of “fugitive” fossil fuel emissions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	95
33	Nitrogen cycling within suboxic and anoxic sediments from the continental margin of Western North America. <i>Marine Chemistry</i> , 2012, 128-129, 13-25.	2.3	37
34	Nitrous oxide emissions and isotopic composition in urban and agricultural systems in southern California. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	41
35	Denitrification in anoxic sediments supported by biological nitrate transport. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7180-7199.	3.9	63
36	Nitrous Oxide Emissions from Wastewater Treatment and Water Reclamation Plants in Southern California. <i>Journal of Environmental Quality</i> , 2011, 40, 1542-1550.	2.0	34

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37	Seasonal and hydrologic drivers of dissolved organic matter and nutrients in the upper Kuparuk River, Alaskan Arctic. Biogeochemistry, 2011, 103, 109-124.	3.5	59
38	Carbon sequestration and greenhouse gas emissions in urban turf. Geophysical Research Letters, 2010, 37, .	4.0	83
39	Suspended sediments and organic matter in mountain headwaters of the Amazon River: Results from a 1-year time series study in the central Peruvian Andes. Geochimica Et Cosmochimica Acta, 2008, 72, 732-740.	3.9	61
40	Isotopic and elemental indicators of nutrient sources and status of coastal habitats in the Caribbean Sea, Yucatan Peninsula, Mexico. Estuarine, Coastal and Shelf Science, 2007, 74, 449-457.	2.1	70
41	Contributions of carbon and nitrogen from the Andes Mountains to the Amazon River: Evidence from an elevational gradient of soils, plants, and river material. Limnology and Oceanography, 2005, 50, 672-685.	3.1	41