

Logan E Mitchell

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,677
citations

471509

17
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

2576
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise inter-polar phasing of abrupt climate change during the last ice age. <i>Nature</i> , 2015, 520, 661-665.	27.8	310
2	Onset of deglacial warming in West Antarctica driven by local orbital forcing. <i>Nature</i> , 2013, 500, 440-444.	27.8	276
3	Long-term urban carbon dioxide observations reveal spatial and temporal dynamics related to urban characteristics and growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2912-2917.	7.1	120
4	Carbon and hydrogen isotopic composition of methane over the last 1000 years. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	88
5	Minimal geological methane emissions during the Younger Dryas—Preboreal abrupt warming event. <i>Nature</i> , 2017, 548, 443-446.	27.8	86
6	Constraints on the Late Holocene Anthropogenic Contribution to the Atmospheric Methane Budget. <i>Science</i> , 2013, 342, 964-966.	12.6	80
7	Multidecadal variability of atmospheric methane, 1000—1800 C.E.. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	78
8	Simulating atmospheric tracer concentrations for spatially distributed receptors: updates to the Stochastic Time-Inverted Lagrangian Transport model's R interface (STILT-R version 2). <i>Geoscientific Model Development</i> , 2018, 11, 2813-2824.	3.6	72
9	Atmospheric CO ₂ over the last 1000 years: A high-resolution record from the West Antarctic Ice Sheet (WAIS) Divide ice core. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	68
10	Continuous methane measurements from a late Holocene Greenland ice core: Atmospheric and in-situ signals. <i>Earth and Planetary Science Letters</i> , 2013, 368, 9-19.	4.4	65
11	Monitoring of greenhouse gases and pollutants across an urban area using a light-rail public transit platform. <i>Atmospheric Environment</i> , 2018, 187, 9-23.	4.1	62
12	High-resolution glacial and deglacial record of atmospheric methane by continuous-flow and laser spectrometer analysis along the NEEM ice core. <i>Climate of the Past</i> , 2013, 9, 2579-2593.	3.4	49
13	An ice core record of near-synchronous global climate changes at the Bølling transition. <i>Nature Geoscience</i> , 2014, 7, 459-463.	12.9	48
14	The Wintertime Covariation of CO ₂ and Criteria Pollutants in an Urban Valley of the Western United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2684-2703.	3.3	47
15	CO ₂ and Carbon Emissions from Cities: Linkages to Air Quality, Socioeconomic Activity, and Stakeholders in the Salt Lake City Urban Area. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 2325-2339.	3.3	41
16	Observing and modeling the influence of layering on bubble trapping in polar firn. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2558-2574.	3.3	39
17	Community-Based Measurements Reveal Unseen Differences during Air Pollution Episodes. <i>Environmental Science & Technology</i> , 2021, 55, 120-128.	10.0	23
18	The TRAX Light-Rail Train Air Quality Observation Project. <i>Urban Science</i> , 2019, 3, 108.	2.3	21

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19	Evaluating Wildfire Smoke Transport Within a Coupled Fire-Atmosphere Model Using a High-Density Observation Network for an Episodic Smoke Event Along Utah's Wasatch Front. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032712.	3.3	18
20	Constraining Urban CO ₂ Emissions Using Mobile Observations from a Light Rail Public Transit Platform. <i>Environmental Science & Technology</i> , 2020, 54, 15613-15621.	10.0	16
21	The Utah urban carbon dioxide (UUCON) and Uintah Basin greenhouse gas networks: instrumentation, data, and measurement uncertainty. <i>Earth System Science Data</i> , 2019, 11, 1291-1308.	9.9	15
22	Coupled Air Quality and Boundary-Layer Meteorology in Western U.S. Basins during Winter: Design and Rationale for a Comprehensive Study. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E2012-E2033.	3.3	14
23	Ice stratigraphy at the PĀkitsoq ice margin, West Greenland, derived from gas records. <i>Journal of Glaciology</i> , 2009, 55, 411-421.	2.2	12
24	Human Health and Economic Costs of Air Pollution in Utah: An Expert Assessment. <i>Atmosphere</i> , 2020, 11, 1238.	2.3	12
25	A multi-city urban atmospheric greenhouse gas measurement data synthesis. <i>Scientific Data</i> , 2022, 9, .	5.3	5
26	Historic and Modern Air Pollution Studies Conducted in Utah. <i>Atmosphere</i> , 2020, 11, 1094.	2.3	3
27	The Wasatch Environmental Observatory: A mountain to urban research network in the semi-arid western US. <i>Hydrological Processes</i> , 2021, 35, e14352.	2.6	2
28	The impact of the COVID-19 lockdown on greenhouse gases: a multi-city analysis of in situ atmospheric observations. <i>Environmental Research Communications</i> , 2022, 4, 041004.	2.3	2