Logan E Mitchell

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6582569/publications.pdf

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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	The impact of the COVID-19 lockdown on greenhouse gases: a multi-city analysis of in situ atmospheric observations. Environmental Research Communications, 2022, 4, 041004.	2.3	2
2	A multi-city urban atmospheric greenhouse gas measurement data synthesis. Scientific Data, 2022, 9, .	5.3	5
3	Community-Based Measurements Reveal Unseen Differences during Air Pollution Episodes. Environmental Science & Technology, 2021, 55, 120-128.	10.0	23
4	Coupled Air Quality and Boundary-Layer Meteorology in Western U.S. Basins during Winter: Design and Rationale for a Comprehensive Study. Bulletin of the American Meteorological Society, 2021, 102, E2012-E2033.	3.3	14
5	The Wasatch Environmental Observatory: A mountain to urban research network in the semiâ€arid western US. Hydrological Processes, 2021, 35, e14352.	2.6	2
6	Evaluating Wildfire Smoke Transport Within a Coupled Fireâ€Atmosphere Model Using a Highâ€Density Observation Network for an Episodic Smoke Event Along Utah's Wasatch Front. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032712.	3.3	18
7	Human Health and Economic Costs of Air Pollution in Utah: An Expert Assessment. Atmosphere, 2020, 11, 1238.	2.3	12
8	Historic and Modern Air Pollution Studies Conducted in Utah. Atmosphere, 2020, 11, 1094.	2.3	3
9	Constraining Urban CO_₂ Emissions Using Mobile Observations from a Light Rail Public Transit Platform. Environmental Science & Technology, 2020, 54, 15613-15621.	10.0	16
10	The TRAX Light-Rail Train Air Quality Observation Project. Urban Science, 2019, 3, 108.	2.3	21
11	The Utah urban carbon dioxide (UUCON) and Uintah Basin greenhouse gas networks: instrumentation, data, and measurement uncertainty. Earth System Science Data, 2019, 11, 1291-1308.	9.9	15
12	The Wintertime Covariation of CO₂ and Criteria Pollutants in an Urban Valley of the Western United States. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2684-2703.	3.3	47
13	Long-term urban carbon dioxide observations reveal spatial and temporal dynamics related to urban characteristics and growth. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2912-2917.	7.1	120
14	Simulating atmospheric tracer concentrations for spatially distributed receptors: updates to the Stochastic Time-Inverted Lagrangian Transport model's R interface (STILT-R version 2). Geoscientific Model Development, 2018, 11, 2813-2824.	3.6	72
15	Monitoring of greenhouse gases and pollutants across an urban area using a light-rail public transit platform. Atmospheric Environment, 2018, 187, 9-23.	4.1	62
16	CO2 and Carbon Emissions from Cities: Linkages to Air Quality, Socioeconomic Activity, and Stakeholders in the Salt Lake City Urban Area. Bulletin of the American Meteorological Society, 2018, 99, 2325-2339.	3.3	41
17	Minimal geological methane emissions during the Younger Dryasâ€“Preboreal abrupt warming event. Nature, 2017, 548, 443-446.	27.8	86
18	Observing and modeling the influence of layering on bubble trapping in polar firn. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2558-2574.	3.3	39

#	Article	IF	Citations
19	Precise interpolar phasing of abrupt climate change during the last ice age. Nature, 2015, 520, 661-665.	27.8	310
20	An ice core record of near-synchronous global climate changes at the BÃ¸lling transition. Nature Geoscience, 2014, 7, 459-463.	12.9	48
21	Onset of deglacial warming in West Antarctica driven by local orbital forcing. Nature, 2013, 500, 440-444.	27.8	276
22	Constraints on the Late Holocene Anthropogenic Contribution to the Atmospheric Methane Budget. Science, 2013, 342, 964-966.	12.6	80
23	Continuous methane measurements from a late Holocene Greenland ice core: Atmospheric and in-situ signals. Earth and Planetary Science Letters, 2013, 368, 9-19.	4.4	65
24	High-resolution glacial and deglacial record of atmospheric methane by continuous-flow and laser spectrometer analysis along the NEEM ice core. Climate of the Past, 2013, 9, 2579-2593.	3.4	49
25	Atmospheric CO₂ over the last 1000 years: A highâ€resolution record from the West Antarctic Ice Sheet (WAIS) Divide ice core. Global Biogeochemical Cycles, 2012, 26, .	4.9	68
26	Multidecadal variability of atmospheric methane, 1000â€“1800 C.E.. Journal of Geophysical Research, 2011, 116, .	3.3	78
27	Ice stratigraphy at the PÃ¢kitsoq ice margin, West Greenland, derived from gas records. Journal of Glaciology, 2009, 55, 411-421.	2.2	12
28	Carbon and hydrogen isotopic composition of methane over the last 1000 years. Global Biogeochemical Cycles, 2009, 23, .	4.9	88