

Benjamin Fasoli

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

389
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933447

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940533

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docs citations

17
times ranked

536
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	A Lagrangian approach towards extracting signals of urban CO ₂ emissions from satellite observations of atmospheric column CO ₂ (XCO ₂): X-Stochastic Time-Inverted Lagrangian Transport model (X-STILT v1). <i>Geoscientific Model Development</i> , 2018, 11, 4843-4871.	3.6	56
4	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
5	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
6	The TRAX Light-Rail Train Air Quality Observation Project. <i>Urban Science</i> , 2019, 3, 108.	2.3	21
7	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
8	Confirmation of Elevated Methane Emissions in Utah's Uintah Basin With Ground-Based Observations and a High-Resolution Transport Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,026.	3.3	14
9	Incorporating features from the Stochastic Time-Inverted Lagrangian Transport (STILT) model into the Hybrid Single-Particle Lagrangian Integrated Trajectory (HYSPLIT) model: a unified dispersion model for time-forward and time-reversed applications. <i>Journal of Applied Meteorology and Climatology</i> , 2021, ...	1.5	14
10	Declining methane emissions and steady, high leakage rates observed over multiple years in a western US oil/gas production basin. <i>Scientific Reports</i> , 2021, 11, 22291.	3.3	13
11	Quantifying methane emissions in the Uintah Basin during wintertime stagnation episodes. <i>Elementa</i> , 2019, 7, .	3.2	10
12	Mars Methane Sources in Northwestern Gale Crater Inferred From Back Trajectory Modeling. <i>Earth and Space Science</i> , 2021, 8, e2021EA001915.	2.6	8
13	An Interpolation Method to Reduce the Computational Time in the Stochastic Lagrangian Particle Dispersion Modeling of Spatially Dense XCO ₂ Retrievals. <i>Earth and Space Science</i> , 2021, 8, e2020EA001343.	2.6	7
14	Air Quality and Behavioral Impacts of Anti-Idling Campaigns in School Drop-Off Zones. <i>Atmosphere</i> , 2022, 13, 706.	2.3	4
15	Investigation of Indoor and Outdoor Fine Particulate Matter Concentrations in Schools in Salt Lake City, Utah. <i>Pollutants</i> , 2022, 2, 82-97.	2.1	3
16	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