

# Derek V Mallia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8130682/publications.pdf>

Version: 2024-02-01

11  
papers

287  
citations

1040056

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1372567

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all docs

11  
docs citations

11  
times ranked

465  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Modeling Wildfire Smoke Feedback Mechanisms Using a Coupled Fire-Atmosphere Model With a Radiatively Active Aerosol Scheme. Journal of Geophysical Research D: Atmospheres, 2019, 124, 9099-9116.	3.3	32
3	Optimizing Smoke and Plume Rise Modeling Approaches at Local Scales. Atmosphere, 2018, 9, 166.	2.3	31
4	Bayesian inverse estimation of urban CO <sub>2</sub> emissions: Results from a synthetic data simulation over Salt Lake City, UT. Elementa, 2019, 7, .	3.2	20
5	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. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032712.	3.3	18
6	Constraining Urban CO <sub>2</sub> Emissions Using Mobile Observations from a Light Rail Public Transit Platform. Environmental Science & Technology, 2020, 54, 15613-15621.	10.0	16
7	Incorporating a Canopy Parameterization within a Coupled Fire-Atmosphere Model to Improve a Smoke Simulation for a Prescribed Burn. Atmosphere, 2020, 11, 832.	2.3	15
8	Machine Learning Estimation of Fire Arrival Time from Level-2 Active Fires Satellite Data. Remote Sensing, 2021, 13, 2203.	4.0	13
9	Expanding number of Western US urban centers face declining summertime air quality due to enhanced wildland fire activity. Environmental Research Letters, 2021, 16, 054036.	5.2	11
10	An Interactive Data-Driven HPC System for Forecasting Weather, Wildland Fire, and Smoke. , 2019, , .		7
11	Wintertime Nitrous Oxide Emissions in the San Joaquin Valley of California Estimated from Aircraft Observations. Environmental Science & Technology, 2021, 55, 4462-4473.	10.0	4