

# Derek V Mallia

## List of Publications by Year in descending order

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

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11  
papers

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citations

1040056

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times ranked

465  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Machine Learning Estimation of Fire Arrival Time from Level-2 Active Fires Satellite Data. Remote Sensing, 2021, 13, 2203.	4.0	13
4	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
5	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
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	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
8	An Interactive Data-Driven HPC System for Forecasting Weather, Wildland Fire, and Smoke. , 2019, , .		7
9	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
10	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
11	Optimizing Smoke and Plume Rise Modeling Approaches at Local Scales. Atmosphere, 2018, 9, 166.	2.3	31