

Amir H Souri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10984711/publications.pdf>

Version: 2024-02-01

12
papers

302
citations

1040056

9
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

526
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the effectiveness of HCHO/NO ₂ ratios for inferring ozone sensitivity to its precursors using high resolution airborne remote sensing observations in a high ozone episode during the KORUS-AQ campaign. Atmospheric Environment, 2020, 224, 117341.	4.1	65
2	The Impact of the Direct Effect of Aerosols on Meteorology and Air Quality Using Aerosol Optical Depth Assimilation During the KORUS-AQ Campaign. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8303-8319.	3.3	49
3	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
4	Quantifying the Impact of Biomass Burning Emissions on Major Inorganic Aerosols and Their Precursors in the U.S.. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,020.	3.3	31
5	An inversion of NO _x and non-methane volatile organic compound (NMVOC) emissions using satellite observations during the KORUS-AQ campaign and implications for surface ozone over East Asia. Atmospheric Chemistry and Physics, 2020, 20, 9837-9854.	4.9	30
6	Unraveling pathways of elevated ozone induced by the 2020 lockdown in Europe by an observationally constrained regional model using TROPOMI. Atmospheric Chemistry and Physics, 2021, 21, 18227-18245.	4.9	25
7	First Top-Down Estimates of Anthropogenic NO _x Emissions Using High-Resolution Airborne Remote Sensing Observations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3269-3284.	3.3	21
8	The Impact of Springtime-Transported Air Pollutants on Local Air Quality With Satellite-Constrained NO _x Emission Adjustments Over East Asia. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	14
9	Development and Implementation of a Physics-Based Convective Mixing Scheme in the Community Multiscale Air Quality Modeling Framework. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002475.	3.8	11
10	Dealing with spatial heterogeneity in pointwise-to-gridded- data comparisons. Atmospheric Measurement Techniques, 2022, 15, 41-59.	3.1	10
11	Response of Hurricane Harvey's rainfall to anthropogenic aerosols: A sensitivity study based on spectral bin microphysics with simulated aerosols. Atmospheric Research, 2020, 242, 104965.	4.1	9
12	Quantifying the Impact of Excess Moisture From Transpiration From Crops on an Extreme Heat Wave Event in the Midwestern U.S.: A Top-Down Constraint From Moderate Resolution Imaging Spectroradiometer Water Vapor Retrieval. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031941.	3.3	5