

Sally E Pusede

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,306
citations

236612

25
h-index

233125

45
g-index

46
all docs

46
docs citations

46
times ranked

3032
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for NO _x Control over Nighttime SOA Formation. <i>Science</i> , 2012, 337, 1210-1212.	6.0	266
2	An Observational Perspective on the Atmospheric Impacts of Alkyl and Multifunctional Nitrates on Ozone and Secondary Organic Aerosol. <i>Chemical Reviews</i> , 2013, 113, 5848-5870.	23.0	211
3	Temperature and Recent Trends in the Chemistry of Continental Surface Ozone. <i>Chemical Reviews</i> , 2015, 115, 3898-3918.	23.0	176
4	On the observed response of ozone to NO _x and VOC reactivity reductions in San Joaquin Valley California 1995–present. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8323-8339.	1.9	155
5	Observational Insights into Aerosol Formation from Isoprene. <i>Environmental Science & Technology</i> , 2013, 47, 11403-11413.	4.6	113
6	Secondary organic aerosol production from local emissions dominates the organic aerosol budget over Seoul, South Korea, during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17769-17800.	1.9	105
7	Importance of biogenic precursors to the budget of organic nitrates: observations of multifunctional organic nitrates by CIMS and TD-LIF during BEARPEX 2009. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5773-5785.	1.9	93
8	On the temperature dependence of organic reactivity, nitrogen oxides, ozone production, and the impact of emission controls in San Joaquin Valley, California. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3373-3395.	1.9	92
9	Dry Deposition of Ozone Over Land: Processes, Measurement, and Modeling. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000670.	9.0	86
10	A relaxed eddy accumulation system for measuring vertical fluxes of nitrous acid. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 2093-2103.	1.2	76
11	Microbial mechanisms and ecosystem flux estimation for aerobic NO _y emissions from deciduous forest soils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2138-2145.	3.3	66
12	Evidence for a nitrous acid (HONO) reservoir at the ground surface in Bakersfield, CA, during CalNex 2010. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9093-9106.	1.2	59
13	Ozone production chemistry in the presence of urban plumes. <i>Faraday Discussions</i> , 2016, 189, 169-189.	1.6	56
14	On the effectiveness of nitrogen oxide reductions as a control over ammonium nitrate aerosol. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2575-2596.	1.9	53
15	Gas/particle partitioning of total alkyl nitrates observed with TD-LIF in Bakersfield. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6651-6662.	1.2	51
16	Frequency and impact of summertime stratospheric intrusions over Maryland during DISCOVER-AQ (2011): New evidence from NASA's GEOS-5 simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 3687-3706.	1.2	49
17	Observing Nitrogen Dioxide Air Pollution Inequality Using High-Spatial-Resolution Remote Sensing Measurements in Houston, Texas. <i>Environmental Science & Technology</i> , 2020, 54, 9882-9895.	4.6	44
18	Characterization, sources and reactivity of volatile organic compounds (VOCs) in Seoul and surrounding regions during KORUS-AQ. <i>Elementa</i> , 2020, 8, .	1.1	44

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19	The Ozone Waterâ€“Land Environmental Transition Study: An Innovative Strategy for Understanding Chesapeake Bay Pollution Events. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 291-306.	1.7	41
20	Nitrogen cycling microbiomes are structured by plant mycorrhizal associations with consequences for nitrogen oxide fluxes in forests. <i>Global Change Biology</i> , 2021, 27, 1068-1082.	4.2	41
21	Eddy covariance fluxes and vertical concentration gradient measurements of NO and NO ₂ over a ponderosa pine ecosystem: observational evidence for within-canopy chemical removal of NO _x . <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5495-5512.	1.9	36
22	Spaceâ€“Based Observational Constraints on NO ₂ Air Pollution Inequality From Diesel Traffic in Major US Cities. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094333.	1.5	36
23	Measurements of CH ₃ O and NO ₂ in the upper troposphere. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 987-997.	1.5	36
24	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14617-14647.	1.9	34
25	Observing Severe Drought Influences on Ozone Air Pollution in California. <i>Environmental Science & Technology</i> , 2019, 53, 4695-4706.	4.6	30
26	Evaluation of the use of a commercially available cavity ringdown absorption spectrometer for measuring NO ₂ in flight, and observations over the Mid-Atlantic States, during DISCOVER-AQ. <i>Journal of Atmospheric Chemistry</i> , 2015, 72, 503-521.	1.4	27
27	An Atmospheric Constraint on the NO ₂ Dependence of Daytime Near-Surface Nitrous Acid (HONO). <i>Environmental Science & Technology</i> , 2015, 49, 12774-12781.	4.6	26
28	Impacts of the Denver Cyclone on regional air quality and aerosol formation in the Colorado Front Range during FRAPPâ€“2014. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12039-12058.	1.9	24
29	Estimating Source Region Influences on Black Carbon Abundance, Microphysics, and Radiative Effect Observed Over South Korea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,527.	1.2	24
30	Modeling NH ₄ NO ₃ Over the San Joaquin Valley During the 2013 DISCOVERâ€“AQ Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4727-4745.	1.2	18
31	Activation of P ₄ by Singlet Silylene (SiH ₂): A Computational Study. <i>Organometallics</i> , 2009, 28, 1289-1294.	1.1	17
32	Observations of atmosphere-biosphere exchange of total and speciated peroxy nitrates: nitrogen fluxes and biogenic sources of peroxy nitrates. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9763-9773.	1.9	16
33	Singlet and Triplet Methylene (CH ₂) Plus P ₄ : A Computational Study. <i>Organometallics</i> , 2008, 27, 3399-3402.	1.1	15
34	Characterizing CO and NO _x Sources and Relative Ambient Ratios in the Baltimore Area Using Ambient Measurements and Source Attribution Modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3304-3320.	1.2	14
35	Observing U.S. Regional Variability in Lightning NO ₂ Production Rates. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031362.	1.2	13
36	Modeling Regional Pollution Transport Events During KORUSâ€“AQ: Progress and Challenges in Improving Representation of Landâ€“Atmosphere Feedbacks. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10732-10756.	1.2	10

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37	Measurement report: Variability in the composition of biogenic volatile organic compounds in a Southeastern US forest and their role in atmospheric reactivity. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 15755-15770.	1.9	10
38	Airborne measurements of particulate organic matter by proton-transfer-reaction mass spectrometry (PTR-MS): a pilot study. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5947-5958.	1.2	9
39	Changes in the Relative Importance of Biogenic Isoprene and Soil NO _x Emissions on Ozone Concentrations in Nonattainment Areas of the United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	8
40	On the effect of upwind emission controls on ozone in Sequoia National Park. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17061-17076.	1.9	7
41	Observations of atmospheric oxidation and ozone production in South Korea. <i>Atmospheric Environment</i> , 2022, 269, 118854.	1.9	6
42	Field observational constraints on the controllers in glyoxal (CHOCHO) reactive uptake to aerosol. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 805-821.	1.9	5
43	Wintertime Nitrous Oxide Emissions in the San Joaquin Valley of California Estimated from Aircraft Observations. <i>Environmental Science & Technology</i> , 2021, 55, 4462-4473.	4.6	4
44	Validation of XCO ₂ and XCH ₄ retrieved from a portable Fourier transform spectrometer with those from in situ profiles from aircraft-borne instruments. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5149-5163.	1.2	3
45	Computational Studies of Electron Affinities, Acidities, and Bond Dissociation Energies of Boron-Containing Species: The CH ₃ (CH ₂) _n -1BH ₂ , CH ₂ F(CH ₂) _n -1BH ₂ , and CH ₃ (CH ₂) _n -1BHF Series. <i>Organometallics</i> , 2007, 26, 1599-1606.	1.1	2