

Jonathan H Slade

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4801976/publications.pdf>

Version: 2024-02-01

15
papers

844
citations

840776

11
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

1059
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphase OH oxidation kinetics of organic aerosol: The role of particle phase state and relative humidity. <i>Geophysical Research Letters</i> , 2014, 41, 5297-5306.	4.0	130
2	Microplastics and nanoplastics in the marine-atmosphere environment. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 393-405.	29.7	121
3	Heterogeneous OH oxidation of biomass burning organic aerosol surrogate compounds: assessment of volatilisation products and the role of OH concentration on the reactive uptake kinetics. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5898.	2.8	116
4	Multiphase Chemical Kinetics of OH Radical Uptake by Molecular Organic Markers of Biomass Burning Aerosols: Humidity and Temperature Dependence, Surface Reaction, and Bulk Diffusion. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4533-4544.	2.5	101
5	Heterogeneous oxidation kinetics of organic biomass burning aerosol surrogates by O ₃ , NO ₂ , N ₂ O ₅ , and NO ₃ . <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 21050.	2.8	90
6	Bouncier Particles at Night: Biogenic Secondary Organic Aerosol Chemistry and Sulfate Drive Diel Variations in the Aerosol Phase in a Mixed Forest. <i>Environmental Science & Technology</i> , 2019, 53, 4977-4987.	10.0	72
7	The acid-catalyzed hydrolysis of an α -pinene-derived organic nitrate: kinetics, products, reaction mechanisms, and atmospheric impact. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15425-15432.	4.9	56
8	Cloud droplet activation through oxidation of organic aerosol influenced by temperature and particle phase state. <i>Geophysical Research Letters</i> , 2017, 44, 1583-1591.	4.0	53
9	Nontargeted Tandem Mass Spectrometry Analysis Reveals Diversity and Variability in Aerosol Functional Groups across Multiple Sites, Seasons, and Times of Day. <i>Environmental Science and Technology Letters</i> , 2020, 7, 60-69.	8.7	33
10	Nitrate radical oxidation of α -terpinene: hydroxy nitrate, total organic nitrate, and secondary organic aerosol yields. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8635-8650.	4.9	20
11	The production and hydrolysis of organic nitrates from OH radical oxidation of α -pinene. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 129-145.	4.9	16
12	Lake Spray Aerosol Incorporated into Great Lakes Clouds. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2765-2774.	2.7	11
13	The Sea Spray Chemistry and Particle Evolution study (SeaSCAPE): overview and experimental methods. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 290-315.	3.5	11
14	Evolution of Sea Spray Aerosol Particle Phase State Across a Phytoplankton Bloom. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2995-3007.	2.7	10
15	FORest Canopy Atmosphere Transfer (FORCAsT) 2.0: model updates and evaluation with observations at a mixed forest site. <i>Geoscientific Model Development</i> , 2021, 14, 6309-6329.	3.6	4