

Daniel P Veghte

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

460
citations

687363

13
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

715
citing authors

#	ARTICLE	IF	CITATIONS
1	Size Dependence of the Structure of Organic Aerosol. <i>Journal of the American Chemical Society</i> , 2013, 135, 16046-16049.	13.7	88
2	Cryo-Transmission Electron Microscopy Imaging of the Morphology of Submicrometer Aerosol Containing Organic Acids and Ammonium Sulfate. <i>Analytical Chemistry</i> , 2014, 86, 2436-2442.	6.5	53
3	Chemical and Physical Transformations of Aluminosilicate Clay Minerals Due to Acid Treatment and Consequences for Heterogeneous Ice Nucleation. <i>Journal of Physical Chemistry A</i> , 2014, 118, 8787-8796.	2.5	37
4	Particle-Phase Diffusion Modulates Partitioning of Semivolatile Organic Compounds to Aged Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2020, 54, 2595-2605.	10.0	37
5	Facile Method for Determining the Aspect Ratios of Mineral Dust Aerosol by Electron Microscopy. <i>Aerosol Science and Technology</i> , 2014, 48, 715-724.	3.1	34
6	Fractal-like Tar Ball Aggregates from Wildfire Smoke. <i>Environmental Science and Technology Letters</i> , 2018, 5, 360-365.	8.7	29
7	Ice nucleation, shape, and composition of aerosol particles in one of the most polluted cities in the world: Ulaanbaatar, Mongolia. <i>Atmospheric Environment</i> , 2016, 139, 222-229.	4.1	25
8	Acidic processing of fly ash: chemical characterization, morphology, and immersion freezing. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1581-1592.	3.5	20
9	The Necessity of Microscopy to Characterize the Optical Properties of Size-Selected, Nonspherical Aerosol Particles. <i>Analytical Chemistry</i> , 2012, 84, 9101-9108.	6.5	19
10	Optical properties of non-absorbing mineral dust components and mixtures. <i>Aerosol Science and Technology</i> , 2016, 50, 1239-1252.	3.1	19
11	Influence of shape on the optical properties of hematite aerosol. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7025-7039.	3.3	17
12	Optical Properties of Airborne Soil Organic Particles. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 511-521.	2.7	14
13	Vertical profiles of trace gas and aerosol properties over the eastern North Atlantic: variations with season and synoptic condition. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11079-11098.	4.9	14
14	Optical properties and composition of viscous organic particles found in the Southern Great Plains. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11593-11606.	4.9	12
15	Depositional ice nucleation on NX illite and mixtures of NX illite with organic acids. <i>Journal of Atmospheric Chemistry</i> , 2017, 74, 55-69.	3.2	10
16	Impact of dry intrusion events on the composition and mixing state of particles during the winter Aerosol and Cloud Experiment in the Eastern North Atlantic (ACE-ENA). <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18123-18146.	4.9	10
17	Heating-Induced Transformations of Atmospheric Particles: Environmental Transmission Electron Microscopy Study. <i>Analytical Chemistry</i> , 2018, 90, 9761-9768.	6.5	7
18	Environmental Transmission Electron Microscopy of Individual Atmospheric Particles from the North Atlantic. <i>Microscopy and Microanalysis</i> , 2018, 24, 396-397.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Microanalysis of Primary Biological Particles from Model Grass over Its Life Cycle. ACS Earth and Space Chemistry, 2020, 4, 1895-1905.	2.7	5
20	Deciphering the Incipient Phases of Ice-Mineral Interactions as a Precursor of Physical Weathering. ACS Earth and Space Chemistry, 2021, 5, 1233-1241.	2.7	5
21	Mineral Surface Transformations by Ice Nucleation. Microscopy and Microanalysis, 2019, 25, 2464-2465.	0.4	0
22	Composition and Size Effects on the Phase of Mixed Organic/Inorganic Particles. Microscopy and Microanalysis, 2020, 26, 2846-2848.	0.4	0
23	In-situ Gold-Silicon Eutectic Mixture Formation. Microscopy and Microanalysis, 2021, 27, 948-950.	0.4	0