

Jens Voigtländer

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,118
citations

623734

14
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1524
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous ice nucleation: exploring the transition from stochastic to singular freezing behavior. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8767-8775.	4.9	148
2	Atmospheric number size distributions of soot particles and estimation of emission factors. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1021-1031.	4.9	120
3	Kinetics of the unimolecular reaction of CH ₂ OO and the bimolecular reactions with the water monomer, acetaldehyde and acetone under atmospheric conditions. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19862-19873.	2.8	119
4	Immersion freezing of birch pollen washing water. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10989-11003.	4.9	103
5	Gas-Phase Ozonolysis of Cycloalkenes: Formation of Highly Oxidized RO ₂ Radicals and Their Reactions with NO, NO ₂ , SO ₂ , and Other RO ₂ Radicals. <i>Journal of Physical Chemistry A</i> , 2015, 119, 10336-10348.	2.5	94
6	Competing atmospheric reactions of CH ₂ OO with SO ₂ and water vapour. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19130.	2.8	93
7	Immersion freezing of ice nucleation active protein complexes. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5751-5766.	4.9	92
8	Homogeneous and heterogeneous ice nucleation at LACIS: operating principle and theoretical studies. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1753-1767.	4.9	68
9	LACIS-measurements and parameterization of sea-salt particle hygroscopic growth and activation. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 579-590.	4.9	61
10	The SPectrometer for Ice Nuclei (SPIN): an instrument to investigate ice nucleation. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2781-2795.	3.1	56
11	Correlation between traffic density and particle size distribution in a street canyon and the dependence on wind direction. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 4275-4286.	4.9	38
12	A computationally efficient description of heterogeneous freezing: A simplified version of the Soccer ball model. <i>Geophysical Research Letters</i> , 2014, 41, 736-741.	4.0	37
13	Comparison between CARIBIC Aerosol Samples Analysed by Accelerator-Based Methods and Optical Particle Counter Measurements. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2581-2596.	3.1	22
14	Mass accommodation coefficient of water: A combined computational fluid dynamics and experimental data analysis. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	21
15	The Influence of Algal Exudate on the Hygroscopicity of Sea Spray Particles. <i>Advances in Meteorology</i> , 2010, 2010, 1-11.	1.6	16
16	Surface roughness during depositional growth and sublimation of ice crystals. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13687-13702.	4.9	16
17	An optical particle size spectrometer for aircraft-borne measurements in IAGOS-CARIBIC. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2179-2194.	3.1	14