

# Jens Voigtländer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1090455/publications.pdf>

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