

Umo, N S

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

765
citations

840776

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h-index

996975

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29
all docs

29
docs citations

29
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	Ice nucleation by fertile soil dusts: relative importance of mineral and biogenic components. Atmospheric Chemistry and Physics, 2014, 14, 1853-1867.	4.9	187
2	The relevance of nanoscale biological fragments for ice nucleation in clouds. Scientific Reports, 2015, 5, 8082.	3.3	164
3	A technique for quantifying heterogeneous ice nucleation in microlitre supercooled water droplets. Atmospheric Measurement Techniques, 2015, 8, 2437-2447.	3.1	106
4	Glass formation and unusual hygroscopic growth of iodine acid solution droplets with relevance for iodine mediated particle formation in the marine boundary layer. Atmospheric Chemistry and Physics, 2012, 12, 8575-8587.	4.9	64
5	Ice nucleation by combustion ash particles at conditions relevant to mixed-phase clouds. Atmospheric Chemistry and Physics, 2015, 15, 5195-5210.	4.9	55
6	Is Black Carbon an Unimportant Ice-Nucleating Particle in Mixed-Phase Clouds?. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4273-4283.	3.3	34
7	The seasonal cycle of ice-nucleating particles linked to the abundance of biogenic aerosol in boreal forests. Atmospheric Chemistry and Physics, 2021, 21, 3899-3918.	4.9	31
8	Enhanced ice nucleation activity of coal fly ash aerosol particles initiated by ice-filled pores. Atmospheric Chemistry and Physics, 2019, 19, 8783-8800.	4.9	29
9	Synergistic HNO ₃ -H ₂ SO ₄ -NH ₃ upper tropospheric particle formation. Nature, 2022, 605, 483-489.	27.8	26
10	Complex plant-derived organic aerosol as ice-nucleating particles – more than the sums of their parts?. Atmospheric Chemistry and Physics, 2020, 20, 11387-11397.	4.9	16
11	Heterogeneous Ice Nucleation by Soufriere Hills Volcanic Ash Immersed in Water Droplets. PLoS ONE, 2017, 12, e0169720.	2.5	14
12	Heterogeneous ice nucleation ability of aerosol particles generated from Arctic sea surface microlayer and surface seawater samples at cirrus temperatures. Atmospheric Chemistry and Physics, 2021, 21, 13903-13930.	4.9	11
13	The Influence of Chemical and Mineral Compositions on the Parameterization of Immersion Freezing by Volcanic Ash Particles. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033356.	3.3	6
14	Measurement report: Introduction to the HyICE-2018 campaign for measurements of ice-nucleating particles and instrument inter-comparison in the Hyytiälä boreal forest. Atmospheric Chemistry and Physics, 2022, 22, 5117-5145.	4.9	4
15	Laboratory and field studies of ice-nucleating particles from open-lot livestock facilities in Texas. Atmospheric Chemistry and Physics, 2021, 21, 14215-14234.	4.9	2
16	Ice nucleation efficiency of soot from biomass combustion. , 2013, , .		1