Fabian Mahrt

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5774303/publications.pdf

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16	563	840776 11	940533 16
papers	citations	h-index	g-index

32	32	32	725
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phase Behavior of Internal Mixtures of Hydrocarbon-like Primary Organic Aerosol and Secondary Aerosol Based on Their Differences in Oxygen-to-Carbon Ratios. Environmental Science & Technology, 2022, 56, 3960-3973.	10.0	12
2	Possible Effects of Ozone Chemistry on the Phase Behavior of Skin Oil and Cooking Oil Films and Particles Indoors. ACS Earth and Space Chemistry, 2022, 6, 1836-1845.	2.7	7
3	Coexistence of three liquid phases in individual atmospheric aerosol particles. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	46
4	The Role of Cloud Processing for the Ice Nucleating Ability of Organic Aerosol and Coal Fly Ash Particles. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033338.	3.3	10
5	Soot PCF: pore condensation and freezing framework for soot aggregates. Atmospheric Chemistry and Physics, 2021, 21, 7791-7843.	4.9	22
6	Process-oriented analysis of aircraft soot-cirrus interactions constrains the climate impact of aviation. Communications Earth & Environment, 2021, 2, .	6.8	17
7	Phase Behavior of Hydrocarbon-like Primary Organic Aerosol and Secondary Organic Aerosol Proxies Based on Their Elemental Oxygen-to-Carbon Ratio. Environmental Science & Technology, 2021, 55, 12202-12214.	10.0	13
8	Heterogeneous Nucleation Drives Particle Size Segregation in Sequential Ozone and Nitrate Radical Oxidation of Catechol. Environmental Science & Technology, 2021, 55, 15637-15645.	10.0	13
9	The Impact of Cloud Processing on the Ice Nucleation Abilities of Soot Particles at Cirrus Temperatures. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030922.	3.3	45
10	Future warming exacerbated by aged-soot effect on cloud formation. Nature Geoscience, 2020, 13, 674-680.	12.9	44
11	Aging induced changes in ice nucleation activity of combustion aerosol as determined by near edge X-ray absorption fine structure (NEXAFS) spectroscopy. Environmental Sciences: Processes and Impacts, 2020, 22, 895-907.	3.5	16
12	Quantifying and improving the optical performance of the laser ablation aerosol particle time of flight mass spectrometer (LAAPToF) instrument. Aerosol Science and Technology, 2020, 54, 761-771.	3.1	3
13	The role of contact angle and pore width on pore condensation and freezing. Atmospheric Chemistry and Physics, 2020, 20, 9419-9440.	4.9	20
14	A high-speed particle phase discriminator (PPD-HS) for the classification of airborne particles, as tested in a continuous flow diffusion chamber. Atmospheric Measurement Techniques, 2019, 12, 3183-3208.	3.1	4
15	Pore condensation and freezing is responsible for ice formation below water saturation for porous particles. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8184-8189.	7.1	113
16	Ice nucleation abilities of soot particles determined with the Horizontal Ice Nucleation Chamber. Atmospheric Chemistry and Physics, 2018, 18, 13363-13392.	4.9	67