

Denis Duft

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8590507/publications.pdf>

Version: 2024-02-01

16
papers

673
citations

840776

11
h-index

940533

16
g-index

26
all docs

26
docs citations

26
times ranked

899
citing authors

#	ARTICLE	IF	CITATIONS
1	Rayleigh jets from levitated microdroplets. <i>Nature</i> , 2003, 421, 128-128.	27.8	355
2	Time-resolved explosion dynamics of H ₂ O droplets induced by femtosecond laser pulses. <i>Applied Optics</i> , 2004, 43, 5263.	2.1	62
3	On the role of surface charges for homogeneous freezing of supercooled water microdroplets. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9359.	2.8	36
4	PHIPSâ€“HALO: the airborne Particle Habit Imaging and Polar Scattering probe â€“ Part 1: Design and operation. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3131-3144.	3.1	34
5	Laser-induced plasma cloud interaction and ice multiplication under cirrus cloud conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10106-10110.	7.1	28
6	The vapor pressure over nano-crystalline ice. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3419-3431.	4.9	27
7	Laboratory measurements of heterogeneous CO ₂ ice nucleation on nanoparticles under conditions relevant to the Martian mesosphere. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 753-769.	3.6	22
8	Temperature-dependent formation of NaCl dihydrate in levitated NaCl and sea salt aerosol particles. <i>Journal of Chemical Physics</i> , 2016, 145, 244503.	3.0	21
9	The vapor pressure of liquid and solid water phases at conditions relevant to the atmosphere. <i>Journal of Chemical Physics</i> , 2019, 151, .	3.0	21
10	Laser vaporization of cirrus-like ice particles with secondary ice multiplication. <i>Science Advances</i> , 2016, 2, e1501912.	10.3	14
11	Unravelling the microphysics of polar mesospheric cloud formation. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2871-2879.	4.9	14
12	Volatility of Amorphous Solid Water. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10044-10050.	2.6	12
13	A Linear Trap for Studying the Interaction of Nanoparticles with Supersaturated Vapors. <i>Aerosol Science and Technology</i> , 2015, 49, 683-691.	3.1	11
14	Composition, Mixing State and Water Affinity of Meteoric Smoke Analogue Nanoparticles Produced in a Non-Thermal Microwave Plasma Source. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 635-648.	2.8	7
15	The impact of solar radiation on polar mesospheric ice particle formation. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4311-4322.	4.9	3
16	Optical properties of meteoric smoke analogues. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12767-12777.	4.9	3