

Thomas Kuhn

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,234
citations

567281

15
h-index

552781

26
g-index

37
all docs

37
docs citations

37
times ranked

1750
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Daytime and Nighttime Concentration Profiles and Size Distributions of Ultrafine Particles near a Major Highway. <i>Environmental Science & Technology</i> , 2006, 40, 2531-2536.	10.0	160
2	Penetration of freeway ultrafine particles into indoor environments. <i>Journal of Aerosol Science</i> , 2005, 36, 303-322.	3.8	155
3	Laser excited N ₂ ⁺ in a 22-pole ion trap. <i>International Journal of Mass Spectrometry</i> , 1999, 185-187, 589-602.	1.5	112
4	A microphysics guide to cirrus – Part 2: Climatologies of clouds and humidity from observations. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12569-12608.	4.9	80
5	Characterization and in vitro biological effects of concentrated particulate matter from Mexico City. <i>Atmospheric Environment</i> , 2006, 40, 583-592.	4.1	77
6	Effects of Sampling Artifacts and Operating Parameters on the Performance of a Semicontinuous Particulate Elemental Carbon/Organic Carbon Monitor. <i>Environmental Science & Technology</i> , 2006, 40, 945-954.	10.0	75
7	A review on ice fog measurements and modeling. <i>Atmospheric Research</i> , 2015, 151, 2-19.	4.1	68
8	Ice Fog in Arctic During FRAM – Ice Fog Project: Aviation and Nowcasting Applications. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 211-226.	3.3	64
9	Volume nucleation rates for homogeneous freezing in supercooled water microdroplets: results from a combined experimental and modelling approach. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7945-7961.	4.9	62
10	Physical and Chemical Characteristics and Volatility of PM in the Proximity of a Light-Duty Vehicle Freeway. <i>Aerosol Science and Technology</i> , 2005, 39, 347-357.	3.1	61
11	Diurnal and seasonal characteristics of particle volatility and chemical composition in the vicinity of a light-duty vehicle freeway. <i>Atmospheric Environment</i> , 2005, 39, 7154-7166.	4.1	61
12	Volatility of indoor and outdoor ultrafine particulate matter near a freeway. <i>Journal of Aerosol Science</i> , 2005, 36, 291-302.	3.8	57
13	Field Comparison of P-Trak and Condensation Particle Counters. <i>Aerosol Science and Technology</i> , 2006, 40, 422-430.	3.1	50
14	Size dependence of volume and surface nucleation rates for homogeneous freezing of supercooled water droplets. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2853-2861.	4.9	40
15	Systematic and random errors between collocated satellite ice water path observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2629-2642.	3.3	19
16	Arctic ice clouds over northern Sweden: microphysical properties studied with the Balloon-borne Ice Cloud particle Imager B-ICI. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17371-17386.	4.9	14
17	Characterising aerosol transport into the Canadian High Arctic using aerosol mass spectrometry and Lagrangian modelling. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10489-10502.	4.9	13
18	In Situ Balloon-Borne Ice Particle Imaging in High-Latitude Cirrus. <i>Pure and Applied Geophysics</i> , 2016, 173, 3065-3084.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Shape dependence of snow crystal fall speed. Atmospheric Chemistry and Physics, 2021, 21, 7545-7565.	4.9	9
20	Microphysical properties and fall speed measurements of snow ice crystals using the Dual Ice Crystal Imager (D-ICI). Atmospheric Measurement Techniques, 2020, 13, 1273-1285.	3.1	9
21	Improved Imaging and Image Analysis System for Application to Measurement of Small Ice Crystals. Journal of Atmospheric and Oceanic Technology, 2012, 29, 1811-1824.	1.3	8
22	Shape Dependence of Falling Snow Crystalsâ€™ Microphysical Properties Using an Updated Shape Classification. Applied Sciences (Switzerland), 2020, 10, 1163.	2.5	8
23	On the Dependence of Cirrus Parametrizations on the Cloud Origin. Geophysical Research Letters, 2019, 46, 12565-12571.	4.0	5
24	Ice Fog and Light Snow Measurements Using a High-Resolution Camera System. Pure and Applied Geophysics, 2016, 173, 3049-3064.	1.9	4
25	Mass of different snow crystal shapes derived from fall speed measurements. Atmospheric Chemistry and Physics, 2021, 21, 18669-18688.	4.9	3
26	Balloon Design for Mars, Venus, and Titan Atmospheres. Applied Sciences (Switzerland), 2020, 10, 3204.	2.5	2
27	Development of a Competence Ecosystem for the future space workforce: Strategies, practices and recommendations from international master programs in Northern Sweden. Acta Astronautica, 2022, ,	3.2	0