

Hannakaisa Lindqvist

List of Publications by Year in descending order

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26
papers

1,009
citations

430874

18
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

1145
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the spatial and temporal variability of the ground-level NO ₂ concentration in China during 2005–2019 based on satellite remote sensing. <i>Atmospheric Pollution Research</i> , 2021, 12, 57-67.	3.8	32
2	Systematic comparison of vectorial spherical radiative transfer models in limb scattering geometry. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3953-3972.	3.1	10
3	Light scattering by fractal roughness elements on ice crystal surfaces. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 267, 107561.	2.3	4
4	Monitoring Greenhouse Gases from Space. <i>Remote Sensing</i> , 2021, 13, 2700.	4.0	17
5	Towards Robust Calculation of Interannual CO ₂ Growth Signal from TCCON (Total Carbon Column) Tj ETQq1 1 0.784314 rgBT /Overl	4.0	0
6	Climate Models and Remote Sensing Retrievals Neglect Substantial Desert Dust Asphericity. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086592.	4.0	41
7	Vertical Distribution of Arctic Methane in 2009–2018 Using Ground-Based Remote Sensing. <i>Remote Sensing</i> , 2020, 12, 917.	4.0	6
8	Accelerated MCMC for Satellite-Based Measurements of Atmospheric CO ₂ . <i>Remote Sensing</i> , 2019, 11, 2061.	4.0	5
9	Evaluation and Analysis of the Seasonal Cycle and Variability of the Trend from GOSAT Methane Retrievals. <i>Remote Sensing</i> , 2019, 11, 882.	4.0	17
10	Spectral modeling of meteorites at UV-vis-NIR wavelengths. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 204, 144-151.	2.3	13
11	Investigating the size, shape and surface roughness dependence of polarization lidars with light-scattering computations on real mineral dust particles: Application to dust particles' external mixtures and dust mass concentration retrievals. <i>Atmospheric Research</i> , 2018, 203, 44-61.	4.1	22
12	Improved retrievals of carbon dioxide from Orbiting Carbon Observatory-2 with the version 8 ACOS algorithm. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6539-6576.	3.1	188
13	Ray optics for absorbing particles with application to ice crystals at near-infrared wavelengths. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 217, 329-337.	2.3	20
14	Does GOSAT capture the true seasonal cycle of carbon dioxide?. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13023-13040.	4.9	63
15	The impact of surface roughness on scattering by realistically shaped wavelength-scale dust particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 150, 55-67.	2.3	39
16	Review: Model particles in atmospheric optics. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 41-58.	2.3	58
17	Models for integrated and differential scattering optical properties of encapsulated light absorbing carbon aggregates. <i>Optics Express</i> , 2013, 21, 7974.	3.4	60
18	Optical properties of light absorbing carbon aggregates mixed with sulfate: assessment of different model geometries for climate forcing calculations. <i>Optics Express</i> , 2012, 20, 10042.	3.4	87

#	ARTICLE	IF	CITATIONS
19	Comparison of scattering by different nonspherical, wavelength-scale particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2391-2405.	2.3	46
20	Can particle shape information be retrieved from light-scattering observations using spheroidal model particles?. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 2213-2225.	2.3	69
21	Polarization of light backscattered by small particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 2193-2212.	2.3	27
22	Light scattering by large Saharan dust particles: Comparison of modeling and experimental data for two samples. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 420-433.	2.3	34
23	Optical modeling of vesicular volcanic ash particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1871-1880.	2.3	31
24	Small Irregular Ice Crystals in Tropical Cirrus. Journals of the Atmospheric Sciences, 2011, 68, 2614-2627.	1.7	28
25	Light scattering by coated Gaussian and aggregate particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2009, 110, 1398-1410.	2.3	32
26	Light scattering by Gaussian particles with internal inclusions and roughened surfaces using ray optics. Journal of Quantitative Spectroscopy and Radiative Transfer, 2009, 110, 1628-1639.	2.3	56