Hannakaisa Lindqvist

List of Publications by Year
in descending order

26	1,009	430874 18	552781 26
papers	citations	h-index	g-index

28	28	28	1145
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved retrievals of carbon dioxide from Orbiting Carbon Observatory-2 with the version 8 ACOS algorithm. Atmospheric Measurement Techniques, 2018, 11, 6539-6576.	3.1	188
2	Optical properties of light absorbing carbon aggregates mixed with sulfate: assessment of different model geometries for climate forcing calculations. Optics Express, 2012, 20, 10042.	3.4	87
3	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
4	Does GOSAT capture the true seasonal cycle of carbon dioxide?. Atmospheric Chemistry and Physics, 2015, 15, 13023-13040.	4.9	63
5	Models for integrated and differential scattering optical properties of encapsulated light absorbing carbon aggregates. Optics Express, 2013, 21, 7974.	3.4	60
6	Review: Model particles in atmospheric optics. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 146, 41-58.	2.3	58
7	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
8	Comparison of scattering by different nonspherical, wavelength-scale particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2391-2405.	2.3	46
9	Climate Models and Remote Sensing Retrievals Neglect Substantial Desert Dust Asphericity. Geophysical Research Letters, 2020, 47, e2019GL086592.	4.0	41
10	The impact of surface roughness on scattering by realistically shaped wavelength-scale dust particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 150, 55-67.	2.3	39
11	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
12	Light scattering by coated Gaussian and aggregate particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2009, 110, 1398-1410.	2.3	32
13	Estimating the spatial and temporal variability of the ground-level NO2 concentration in China during 2005â€“2019 based on satellite remote sensing. Atmospheric Pollution Research, 2021, 12, 57-67.	3.8	32
14	Optical modeling of vesicular volcanic ash particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1871-1880.	2.3	31
15	Small Irregular Ice Crystals in Tropical Cirrus. Journals of the Atmospheric Sciences, 2011, 68, 2614-2627.	1.7	28
16	Polarization of light backscattered by small particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 2193-2212.	2.3	27
17	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. Atmospheric Research, 2018, 203, 44-61.	4.1	22
18	Ray optics for absorbing particles with application to ice crystals at near-infrared wavelengths. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 217, 329-337.	2.3	20

#	Article	IF	Citations
19	Evaluation and Analysis of the Seasonal Cycle and Variability of the Trend from GOSAT Methane Retrievals. Remote Sensing, 2019, 11, 882.	4.0	17
20	Monitoring Greenhouse Gases from Space. Remote Sensing, 2021, 13, 2700.	4.0	17
21	Spectral modeling of meteorites at UV-vis-NIR wavelengths. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 204, 144-151.	2.3	13
22	Systematic comparison of vectorial spherical radiative transfer models in limb scattering geometry. Atmospheric Measurement Techniques, 2021, 14, 3953-3972.	3.1	10
23	Vertical Distribution of Arctic Methane in 2009â€“2018 Using Ground-Based Remote Sensing. Remote Sensing, 2020, 12, 917.	4.0	6
24	Accelerated MCMC for Satellite-Based Measurements of Atmospheric CO2. Remote Sensing, 2019, 11, 2061.	4.0	5
25	Light scattering by fractal roughness elements on ice crystal surfaces. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 267, 107561.	2.3	4
26	Towards Robust Calculation of Interannual CO2 Growth Signal from TCCON (Total Carbon Column) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.0	0