

# Patrick G Stegmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8473511/publications.pdf>

Version: 2024-02-01

13  
papers

127  
citations

1163117

8  
h-index

1281871

11  
g-index

14  
all docs

14  
docs citations

14  
times ranked

126  
citing authors

#	ARTICLE	IF	CITATIONS
1	A regional, size-dependent, and causal effective medium model for Asian and Saharan mineral dust refractive index spectra. <i>Journal of Aerosol Science</i> , 2017, 114, 327-341.	3.8	23
2	A deep learning approach to fast radiative transfer. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 280, 108088.	2.3	15
3	A stochastic model for density-dependent microwave Snow- and Graupel scattering coefficients of the NOAA JCSDA community radiative transfer model. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 211, 9-24.	2.3	14
4	Simulation of light scattering from a colloidal droplet using a polarized Monte Carlo method: application to the time-shift technique. <i>Optics Express</i> , 2019, 27, 36388.	3.4	14
5	Comparison of measured and computed phase functions of individual tropospheric ice crystals. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 178, 379-389.	2.3	13
6	Modeling the single and multiple scattering properties of soot-laden mineral dust aerosols. <i>Optics Express</i> , 2017, 25, A990.	3.4	12
7	Effect of Particle Shape, Density, and Inhomogeneity on the Microwave Optical Properties of Graupel and Hailstones. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 6366-6378.	6.3	11
8	Study of the effects of phytoplankton morphology and vertical profile on lidar attenuated backscatter and depolarization ratio. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 225, 1-15.	2.3	9
9	Preface: Electromagnetic and light scattering by nonspherical particles XVII. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 221, A1-A3.	2.3	5
10	pyCRTM: A python interface for the community radiative transfer model. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 288, 108263.	2.3	4
11	The Influence of Aerosols on Satellite Infrared Radiance Simulations and Jacobians: Numerical Experiments of CRTM and GSI. <i>Remote Sensing</i> , 2022, 14, 683.	4.0	2
12	The Aerosol Module in the Community Radiative Transfer Model (v2.2 and v2.3): accounting for aerosol transmittance effects on the radiance observation operator. <i>Geoscientific Model Development</i> , 2022, 15, 1317-1329.	3.6	2
13	Temperature-dependent optical constants of water in the thermal infrared derived from data archaeology. , 2022, 1, 738.		2