

# Ping Yang

## List of Publications by Year in descending order

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381  
papers

18,116  
citations

15466

65  
h-index

22102

113  
g-index

390  
all docs

390  
docs citations

390  
times ranked

7830  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of Cloud 3D Solvers in Ice Cloud Shortwave Radiation Closure Over the Equatorial Western Pacific Ocean. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	2
2	Edge effect correction formula for superspheroids using the Debye series. <i>Optics Express</i> , 2022, 30, 146.	1.7	2
3	Appreciation of Peer Reviewers for 2021. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	0
4	Analytical Prediction of Scattering Properties of Spheroidal Dust Particles With Machine Learning. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
5	Synergistic Use of Farâ€and Midâ€Infrared Spectral Radiances for Satelliteâ€Based Detection of Polar Ice Clouds Over Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	0
6	CERES MODIS Cloud Product Retrievals for Edition 4â€”Part I: Algorithm Changes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 2744-2780.	2.7	75
7	Global Impact of Cloud Longwave Scattering in an Atmosphereâ€Only General Circulation Model Simulation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033968.	1.2	4
8	A comprehensive database of the optical properties of irregular aerosol particles for radiative transfer simulations. <i>Journals of the Atmospheric Sciences</i> , 2021, , .	0.6	19
9	Version 4 CALIPSO Imaging Infrared Radiometer ice and liquid water cloud microphysical properties â€” Part II: Results over oceans. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3277-3299.	1.2	6
10	Version 4 CALIPSO Imaging Infrared Radiometer ice and liquid water cloud microphysical properties â€” Part I: The retrieval algorithms. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3253-3276.	1.2	9
11	Sensitivity of radiative flux simulations to ice cloud parameterization over the equatorial western Pacific Ocean region. <i>Journals of the Atmospheric Sciences</i> , 2021, , .	0.6	5
12	Optical Property Model for Cirrus Clouds Based on Airborne Multi-Angle Polarization Observations. <i>Remote Sensing</i> , 2021, 13, 2754.	1.8	3
13	An Improved Ocean Surface Albedo Computational Scheme: Structure and Performance. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016958.	1.0	3
14	Radiative Transfer Modeling of an SN 1987A Light Echoâ€”AT 2019xis. <i>Astrophysical Journal</i> , 2021, 919, 104.	1.6	5
15	Advanced Bulk Optical Models Linking the Backscattering and Microphysical Properties of Mineral Dust Aerosol. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095121.	1.5	15
16	Simulations of the Optical Properties of Nonspherical Dielectric Particles in the Atmosphere. , 2021, , .		0
17	Solving Global Cirrus Cloud Top-of-the-Atmosphere Radiative Forcing from Satellite Lidar. , 2021, , .		0
18	A New Scattering Property Database of Nonspherical Mineral Dust Aerosol Particles: Introduction and Applications. , 2021, , .		0

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19	Assessing the accuracy and efficiency of longwave radiative transfer models involving scattering effect with cloud optical property parameterizations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 240, 106683.	1.1	10
20	Improved $\hat{\mu}$ -Eddington approximation for optically thin clouds. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 240, 106694.	1.1	4
21	T-matrix concept. , 2020, , 57-144.		0
22	Invariant-embedding T-matrix method. , 2020, , 145-188.		3
23	Application examples of optical properties of small-to-moderate size particles. , 2020, , 189-248.		0
24	A closure study of ocean inherent optical properties using flow cytometry measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 241, 106730.	1.1	3
25	An Improved Beta Method for Ice Cloud Property Retrievals: Theory. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031863.	1.2	5
26	Spaceborne Middle- and Far-Infrared Observations Improving Nighttime Ice Cloud Property Retrievals. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087491.	1.5	8
27	Impact of Cloud Longwave Scattering on Radiative Fluxes Associated With the Madden-Julian Oscillation in the Indian Ocean and Maritime Continent. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032591.	1.2	6
28	Sensitivity Analyses for the Retrievals of Ice Cloud Properties From Radiometric and Polarimetric Measurements in Sub-mm/mm and Infrared Bands. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031422.	1.2	7
29	A test of the ability of current bulk optical models to represent the radiative properties of cirrus cloud across the mid- and far-infrared. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12889-12903.	1.9	9
30	Seasonal Dependent Impact of Ice Cloud Longwave Scattering on the Polar Climate. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090534.	1.5	4
31	Identify the limits of geometric optics ray tracing by numerically solving the vector Kirchhoff integral. <i>Optics Express</i> , 2020, 28, 10670.	1.7	5
32	ON THE CONVERGENCE OF NUMERICAL COMPUTATIONS FOR BOTH EXACT AND APPROXIMATE SOLUTIONS FOR ELECTROMAGNETIC SCATTERING BY NONSPHERICAL DIELECTRIC PARTICLES (INVITED REVIEW). <i>Progress in Electromagnetics Research</i> , 2019, 164, 27-61.	1.6	34
33	Ice Cloud Optical Thickness, Effective Radius, And Ice Water Path Inferred From Fused MISR and MODIS Measurements Based on a Pixel-Level Optimal Ice Particle Roughness Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12126-12140.	1.2	9
34	A fast vector radiative transfer model for the atmosphere-ocean coupled system. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 239, 106667.	1.1	10
35	Oriented Ice Crystals: A Single-Scattering Property Database for Applications to Lidar and Optical Phenomenon Simulations. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 2635-2652.	0.6	7
36	Afterword. Laser-light and interactions with particles (LIP), 2018. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 225, 45-49.	1.1	2

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37	Internal electromagnetic waves, energy trapping, and energy release in simple time-domain simulations of single particle scattering.. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 228, 27-46.	1.1	0
38	A Novel Parameterization of Snow Albedo Based on a Two-Layer Snow Model with a Mixture of Grain Habits. Journals of the Atmospheric Sciences, 2019, 76, 1419-1436.	0.6	27
39	An Efficient Method for Microphysical Property Retrievals in Vertically Inhomogeneous Marine Water Clouds Using MODIS's CloudSat Measurements. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2174-2193.	1.2	11
40	Study of the effects of phytoplankton morphology and vertical profile on lidar attenuated backscatter and depolarization ratio. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 225, 1-15.	1.1	9
41	Improvements in the computational efficiency and convergence of the Invariant Imbedding T-matrix method for spheroids and hexagonal prisms. Optics Express, 2019, 27, A1441.	1.7	7
42	On the Convergence of Numerical Computations for Both Exact and Approximate Solutions for Electromagnetic Scattering by Nonspherical Dielectric Particles. Progress in Electromagnetics Research, 2019, 164, 27-61.	1.6	6
43	Laboratory measurements of light scattering properties of kaolinite dust at 532nm. Aerosol Science and Technology, 2018, 52, 666-678.	1.5	4
44	Improved Representation of Surface Spectral Emissivity in a Global Climate Model and Its Impact on Simulated Climate. Journal of Climate, 2018, 31, 3711-3727.	1.2	24
45	Impact of Grain Shape and Multiple Black Carbon Internal Mixing on Snow Albedo: Parameterization and Radiative Effect Analysis. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1253-1268.	1.2	57
46	A stochastic model for density-dependent microwave Snow- and Graupel scattering coefficients of the NOAA JCSDA community radiative transfer model. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 211, 9-24.	1.1	14
47	Cloud Property Retrieval from Multiband Infrared Measurements by Himawari-8. Journal of the Meteorological Society of Japan, 2018, 96B, 27-42.	0.7	45
48	Far-field Lorenz's Mie scattering in an absorbing host medium: Theoretical formalism and FORTRAN program. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 205, 241-252.	1.1	44
49	A Review of Ice Cloud Optical Property Models for Passive Satellite Remote Sensing. Atmosphere, 2018, 9, 499.	1.0	38
50	A Brief Review of Mueller Matrix Calculations Associated with Oceanic Particles. Applied Sciences (Switzerland), 2018, 8, 2686.	1.3	4
51	Inference of an Optimal Ice Particle Model through Latitudinal Analysis of MISR and MODIS Data. Remote Sensing, 2018, 10, 1981.	1.8	6
52	Net radiative effects of dust in the tropical North Atlantic based on integrated satellite observations and in situ measurements. Atmospheric Chemistry and Physics, 2018, 18, 11303-11322.	1.9	36
53	Preface: Electromagnetic and light scattering by nonspherical particles XVII. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 221, A1-A3.	1.1	5
54	Impact of Ice Cloud Microphysics on Satellite Cloud Retrievals and Broadband Flux Radiative Transfer Model Calculations. Journal of Climate, 2018, 31, 1851-1864.	1.2	36

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55	Diel variations of the attenuation, backscattering and absorption coefficients of four phytoplankton species and comparison with spherical, coated spherical and hexahedral particle optical models. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 217, 288-304.	1.1	24
56	Improvement of the Simulation of Cloud Longwave Scattering in Broadband Radiative Transfer Models. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 2217-2233.	0.6	16
57	A Fast Hyperspectral Radiative Transfer Model. , 2018, , .		0
58	Single-scattering properties of ice particles in the microwave regime: Temperature effect on the ice refractive index with implications in remote sensing. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 190, 26-37.	1.1	23
59	Modeling the inherent optical properties of aquatic particles using an irregular hexahedral ensemble. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 191, 30-39.	1.1	19
60	An Improved Small-Angle Approximation for Forward Scattering and Its Use in a Fast Two-Component Radiative Transfer Method. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 1959-1987.	0.6	10
61	A comparison of Aqua MODIS ice and liquid water cloud physical and optical properties between collection 6 and collection 5.1: Pixel-to-pixel comparisons. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4528-4549.	1.2	23
62	A comparison of Aqua MODIS ice and liquid water cloud physical and optical properties between collection 6 and collection 5.1: Cloud radiative effects. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4550-4564.	1.2	33
63	The MODIS Cloud Optical and Microphysical Products: Collection 6 Updates and Examples From Terra and Aqua. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 502-525.	2.7	489
64	Effects of ice crystal surface roughness and air bubble inclusions on cirrus cloud radiative properties from remote sensing perspective. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 195, 119-131.	1.1	21
65	Validation of quasi-invariant ice cloud radiative quantities with MODIS satellite-based cloud property retrievals. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 194, 47-57.	1.1	7
66	Improved ice particle optical property simulations in the ultraviolet to far-infrared regime. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 189, 228-237.	1.1	33
67	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.	1.8	23
68	Impact of Snow Grain Shape and Black Carbon-Snow Internal Mixing on Snow Optical Properties: Parameterizations for Climate Models. <i>Journal of Climate</i> , 2017, 30, 10019-10036.	1.2	66
69	AERONET-Based Nonspherical Dust Optical Models and Effects on the VIIRS Deep Blue/SOAR Over Water Aerosol Product. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10384-10401.	1.2	33
70	Impact of Multiple Scattering on Longwave Radiative Transfer Involving Clouds. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 3082-3098.	1.3	24
71	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.	2.7	11
72	Using depolarization to quantify ice nucleating particle concentrations: a new method. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 4639-4657.	1.2	7

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73	Modeling the single and multiple scattering properties of soot-laden mineral dust aerosols. Optics Express, 2017, 25, A990.	1.7	12
74	Physical-geometric optics method for large size faceted particles. Optics Express, 2017, 25, 24044.	1.7	52
75	On Babinet's principle and diffraction associated with an arbitrary particle. Optics Letters, 2017, 42, 5026.	1.7	10
76	Ice particle morphology and microphysical properties of cirrus clouds inferred from combined CALIOP-IR measurements. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4440-4462.	1.2	21
77	Extinction by a homogeneous spherical particle in an absorbing medium. Optics Letters, 2017, 42, 4873.	1.7	27
78	Development of a fast and accurate PCRTM radiative transfer model in the solar spectral region. Applied Optics, 2016, 55, 8236.	2.1	31
79	Retrieval of ice cloud properties using an optimal estimation algorithm and MODIS infrared observations: 2. Retrieval evaluation. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5827-5845.	1.2	20
80	Expansion of tabulated scattering matrices in generalized spherical functions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 183, 78-84.	1.1	5
81	Sensitivity study of ice crystal optical properties in the 874 GHz submillimeter band. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 416-421.	1.1	6
82	First-principles modeling of electromagnetic scattering by discrete and discretely heterogeneous random media. Physics Reports, 2016, 632, 1-75.	10.3	104
83	Q-space analysis of light scattering by ice crystals. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 185, 86-94.	1.1	8
84	Intercomparison of the GOS approach, superposition T-matrix method, and laboratory measurements for black carbon optical properties during aging. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 184, 287-296.	1.1	40
85	Ice cloud backscatter study and comparison with CALIPSO and MODIS satellite data. Optics Express, 2016, 24, 620.	1.7	29
86	Validation of a weather forecast model at radiance level against satellite observations allowing quantification of temperature, humidity, and cloud-related biases. Journal of Advances in Modeling Earth Systems, 2016, 8, 1453-1467.	1.3	9
87	Improvements on the ice cloud modeling capabilities of the Community Radiative Transfer Model. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,577.	1.2	23
88	The Microphysical Properties of Small Ice Particles Measured by the Small Ice Detector-3 Probe during the MACPEX Field Campaign. Journals of the Atmospheric Sciences, 2016, 73, 4775-4791.	0.6	8
89	Degree of ice particle surface roughness inferred from polarimetric observations. Atmospheric Chemistry and Physics, 2016, 16, 7545-7558.	1.9	25
90	Resolving ice cloud optical thickness biases between CALIOP and MODIS using infrared retrievals. Atmospheric Chemistry and Physics, 2016, 16, 5075-5090.	1.9	73

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91	Impact of Aviation on Climate: FAA's Aviation Climate Change Research Initiative (ACCRI) Phase II. Bulletin of the American Meteorological Society, 2016, 97, 561-583.	1.7	93
92	Radiance and polarization in the diffusion region with an arbitrary scattering phase matrix. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 183, 154-161.	1.1	5
93	Tunneling effects in electromagnetic wave scattering by nonspherical particles: A comparison of the Debye series and physical-geometric optics approximations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 93-107.	1.1	19
94	Truncation of the scattering phase matrix for vector radiative transfer simulation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 183, 70-77.	1.1	9
95	Retrieval of ice cloud properties using an optimal estimation algorithm and MODIS infrared observations: 1. Forward model, error analysis, and information content. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5809-5826.	1.2	38
96	Light scattering by hexagonal ice crystals with distributed inclusions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 336-349.	1.1	7
97	Rigorous 3-D vectorial complex ray model applied to light scattering by an arbitrary spheroid. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 179, 1-10.	1.1	12
98	Enhancement of the computational efficiency of the near-to-far field mapping in the finite-difference method and ray-by-ray method with the fast multi-pole plane wave expansion approach. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 176, 70-81.	1.1	3
99	Simulation of the scattering properties of a chain-forming triangular prism oceanic diatom. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 390-399.	1.1	21
100	Optical scattering simulation of ice particles with surface roughness modeled using the Edwards-Wilkinson equation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 325-335.	1.1	11
101	Polarization of light in the atmosphere and ocean. , 2016, , 3-39.		5
102	Optical tunneling by arbitrary macroscopic three-dimensional objects. Physical Review A, 2015, 92, .	1.0	11
103	On the aerosol and cloud phase function expansion moments for radiative transfer simulations. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12,128.	1.2	8
104	Variation of the radiative properties during black carbon aging: theoretical and experimental intercomparison. Atmospheric Chemistry and Physics, 2015, 15, 11967-11980.	1.9	127
105	Retrieval of Cirrus Cloud Optical Depth under Day and Night Conditions from MODIS Collection 6 Cloud Property Data. Remote Sensing, 2015, 7, 7257-7271.	1.8	31
106	Dust-aerosol optical modeling with Gaussian spheres: Combined invariant-embedding T-matrix and geometric-optics approach. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 161, 136-144.	1.1	30
107	A High-Spectral-Resolution Radiative Transfer Model for Simulating Multilayered Clouds and Aerosols in the Infrared Spectral Region. Journals of the Atmospheric Sciences, 2015, 72, 926-942.	0.6	6
108	Polarization of cosmic dust simulated with the rough spheroid model. Planetary and Space Science, 2015, 116, 30-38.	0.9	24

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109	Impact of calcification state on the inherent optical properties of <i>Emiliana huxleyi</i> coccoliths and coccolithophores. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 155, 10-21.	1.1	24
110	A fast Visible Infrared Imaging Radiometer Suite simulator for cloudy atmospheres. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 240-255.	1.2	26
111	On the radiative properties of ice clouds: Light scattering, remote sensing, and radiation parameterization. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 32-63.	1.9	141
112	Mother-of-pearl cloud particle size and composition from aircraft-based photography of coloration and lidar measurements. <i>Applied Optics</i> , 2015, 54, B140.	0.9	2
113	Backscattering peak of ice cloud particles. <i>Optics Express</i> , 2015, 23, 11995.	1.7	45
114	Estimation of Errors in Two-Stream Approximations of the Solar Radiative Transfer Equation for Cloudy-Sky Conditions. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 4053-4074.	0.6	25
115	Response of Aerosol Direct Radiative Effect to the East Asian Summer Monsoon. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 597-600.	1.4	5
116	Effect of mineral dust aerosol aspect ratio on polarized reflectance. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 151, 97-109.	1.1	39
117	Impact of pollution on the optical properties of trans-Pacific East Asian dust from satellite and ground-based measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5397-5409.	1.2	19
118	Radiative and Microphysical Properties of Cirrus Cloud Inferred from Infrared Measurements Made by the Moderate Resolution Imaging Spectroradiometer (MODIS). Part I: Retrieval Method. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 1297-1316.	0.6	29
119	Assessment and validation of the community radiative transfer model for ice cloud conditions. , 2014, , .		1
120	Optical properties of ice clouds: new modeling capabilities and relevant applications. , 2014, , .		0
121	High-frequency extinction efficiencies of spheroids: rigorous T-matrix solutions and semi-empirical approximations. <i>Optics Express</i> , 2014, 22, 10270.	1.7	15
122	The effective equivalence of geometric irregularity and surface roughness in determining particle single-scattering properties. <i>Optics Express</i> , 2014, 22, 23620.	1.7	28
123	Comparison of the pseudo-spectral time domain method and the discrete dipole approximation for light scattering by ice spheres. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 402-409.	1.1	14
124	Ice cloud single-scattering property models with the full phase matrix at wavelengths from 0.2 to 100 $\mu$ m. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 123-139.	1.1	126
125	Accurate simulation of the optical properties of atmospheric ice crystals with the invariant imbedding T-matrix method. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 138, 17-35.	1.1	155
126	Scattering of 1-D periodic scatterer and asymptotic comparison using the many-body iterative T-matrix method. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 459-467.	1.1	7

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127	Scattering of partially coherent electromagnetic beams by water droplets and ice crystals. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 134, 74-84.	1.1	13
128	Assessment of the accuracy of the conventional ray-tracing technique: Implications in remote sensing and radiative transfer involving ice clouds. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 158-174.	1.1	29
129	Inhomogeneity structure and the applicability of effective medium approximations in calculating light scattering by inhomogeneous particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 331-348.	1.1	42
130	Considering polarization in MODIS-based cloud property retrievals by using a vector radiative transfer code. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 540-548.	1.1	13
131	Estimation of the cirrus cloud scattering phase function from satellite observations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 138, 36-49.	1.1	17
132	Impact of radiatively interactive dust aerosols in the NASA GEOS-5 climate model: Sensitivity to dust particle shape and refractive index. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 753-786.	1.2	138
133	Cirrus feedback on interannual climate fluctuations. <i>Geophysical Research Letters</i> , 2014, 41, 9166-9173.	1.5	47
134	Stochastic parameterization for light absorption by internally mixed BC/dust in snow grains for application to climate models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 7616-7632.	1.2	74
135	A two-habit model for the microphysical and optical properties of ice clouds. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13719-13737.	1.9	49
136	Ice particle habit and surface roughness derived from PARASOL polarization measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3739-3750.	1.9	54
137	Many-body iterative T-matrix method for large aspect ratio particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 127, 165-175.	1.1	7
138	A pseudo-spectral time domain method for light scattering computation. , 2013, , 139-188.		9
139	Physical-geometric optics hybrid methods for computing the scattering and absorption properties of ice crystals and dust aerosols. , 2013, , 69-114.		9
140	A Resampling-Based Stochastic Approximation Method for Analysis of Large Geostatistical Data. <i>Journal of the American Statistical Association</i> , 2013, 108, 325-339.	1.8	41
141	Polarized extinction properties of plates with large aspect ratios. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 131, 72-81.	1.1	8
142	Role of stabilized Criegee Intermediates in the formation of atmospheric sulfate in eastern United States. <i>Atmospheric Environment</i> , 2013, 79, 442-447.	1.9	37
143	The effects of surface roughness on the scattering properties of hexagonal columns with sizes from the Rayleigh to the geometric optics regimes. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 129, 169-185.	1.1	57
144	Influence of Ice Particle Surface Roughening on the Global Cloud Radiative Effect. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 2794-2807.	0.6	72

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145	Statistical Properties of Horizontally Oriented Plates in Optically Thick Clouds From Satellite Observations. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013, 10, 986-990.	1.4	14
146	Intensity and polarization of dust aerosols over polarized anisotropic surfaces. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 127, 149-157.	1.1	6
147	A fast radiative transfer model for visible through shortwave infrared spectral reflectances in clear and cloudy atmospheres. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 116, 122-131.	1.1	17
148	Efficient implementation of the invariant imbedding T-matrix method and the separation of variables method applied to large nonspherical inhomogeneous particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 116, 169-183.	1.1	146
149	Spectrally Consistent Scattering, Absorption, and Polarization Properties of Atmospheric Ice Crystals at Wavelengths from 0.2 to 100 $\mu\text{m}$ . <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 330-347.	0.6	358
150	A numerical combination of extended boundary condition method and invariant imbedding method applied to light scattering by large spheroids and cylinders. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 123, 17-22.	1.1	54
151	An Analysis of the Short-Term Cloud Feedback Using MODIS Data. <i>Journal of Climate</i> , 2013, 26, 4803-4815.	1.2	51
152	The single-scattering properties of black carbon aggregates determined from the geometric-optics surface-wave approach and the T-matrix method. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 125, 51-56.	1.1	28
153	Modeling the scattering properties of mineral aerosols using concave fractal polyhedra. <i>Applied Optics</i> , 2013, 52, 640.	0.9	33
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