

# Bingqi Yi

## List of Publications by Year in descending order

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37  
papers

1,221  
citations

430874

18  
h-index

377865

34  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diurnal variations of cloud optical properties during day-time over China based on Himawari-8 satellite retrievals. <i>Atmospheric Environment</i> , 2022, 277, 119065.	4.1	5
2	Aerosols over East and South Asia: Type Identification, Optical Properties, and Implications for Radiative Forcing. <i>Remote Sensing</i> , 2022, 14, 2058.	4.0	7
3	Diverse cloud radiative effects and global surface temperature simulations induced by different ice cloud optical property parameterizations. <i>Scientific Reports</i> , 2022, 12, .	3.3	4
4	The Use of Superspheroids as Surrogates for Modeling Electromagnetic Wave Scattering by Ice Crystals. <i>Remote Sensing</i> , 2021, 13, 1733.	4.0	8
5	Sensitivity of Mixed-Phase Cloud Optical Properties to Cloud Particle Model and Microphysical Factors at Wavelengths from 0.2 to 100 Åµm. <i>Remote Sensing</i> , 2021, 13, 2330.	4.0	0
6	Impact of Dust Shortwave Absorbability on the East Asian Summer Monsoon. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089585.	4.0	6
7	Examining Asian dust refractive indices for brightness temperature simulations in the 650â€“1135Åcmâˆ’1 spectral range. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 247, 106945.	2.3	5
8	Advanced radiative transfer modeling system developed for satellite data assimilation and remote sensing applications. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 251, 107043.	2.3	22
9	Impacts of cloud scattering properties on FY-3D HIRAS simulations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 246, 106902.	2.3	3
10	Comparison of Cloud Properties from Himawari-8 and FengYun-4A Geostationary Satellite Radiometers with MODIS Cloud Retrievals. <i>Remote Sensing</i> , 2019, 11, 1703.	4.0	38
11	How the Inhomogeneity of Wet Sea Salt Aerosols Affects Direct Radiative Forcing. <i>Geophysical Research Letters</i> , 2019, 46, 1805-1813.	4.0	21
12	Comparison of three ice cloud optical schemes in climate simulations with community atmospheric model version 5. <i>Atmospheric Research</i> , 2018, 204, 37-53.	4.1	12
13	Optical Modeling of Sea Salt Aerosols: The Effects of Nonsphericity and Inhomogeneity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 543-558.	3.3	62
14	A comparison of Aqua MODIS ice and liquid water cloud physical and optical properties between collection 6 and collection 5.1: Pixelâ€“toâ€“pixel comparisons. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4528-4549.	3.3	23
15	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.	3.3	33
16	Modulation of Soil Initial State on WRF Model Performance Over China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,278.	3.3	8
17	Improvements on the ice cloud modeling capabilities of the Community Radiative Transfer Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13,577.	3.3	23
18	Impact of Aviation on Climate: FAAâ€™s Aviation Climate Change Research Initiative (ACCRI) Phase II. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 561-583.	3.3	93

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19	On the aerosol and cloud phase function expansion moments for radiative transfer simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 12,128.	3.3	8
20	On the radiative properties of ice clouds: Light scattering, remote sensing, and radiation parameterization. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 32-63.	4.3	141
21	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.	1.7	25
22	Response of Aerosol Direct Radiative Effect to the East Asian Summer Monsoon. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 597-600.	3.1	5
23	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.	3.3	19
24	Assessment and validation of the community radiative transfer model for ice cloud conditions. , 2014, , .		1
25	Optical properties of ice clouds: new modeling capabilities and relevant applications. , 2014, , .		0
26	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.	2.3	29
27	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.	2.3	13
28	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.	3.3	138
29	Role of stabilized Criegee Intermediates in the formation of Atmospheric sulfate in eastern United States. <i>Atmospheric Environment</i> , 2013, 79, 442-447.	4.1	37
30	Influence of Ice Particle Surface Roughening on the Global Cloud Radiative Effect. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 2794-2807.	1.7	72
31	Effect of black carbon on dust property retrievals from satellite observations. <i>Journal of Applied Remote Sensing</i> , 2013, 7, 073568.	1.3	6
32	Aerosol-cloud-precipitation relationships from satellite observations and global climate model simulations. <i>Journal of Applied Remote Sensing</i> , 2012, 6, 063503.	1.3	11
33	The impact of circulation patterns on regional transport pathways and air quality over Beijing and its surroundings. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5031-5053.	4.9	224
34	Simulation of the global contrail radiative forcing: A sensitivity analysis. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	20
35	Radiative transfer simulation of dust-like aerosols: Uncertainties from particle shape and refractive index. <i>Journal of Aerosol Science</i> , 2011, 42, 631-644.	3.8	49
36	Simulated variations of eolian dust from inner Asian deserts at the mid-Pliocene, last glacial maximum, and present day: contributions from the regional tectonic uplift and global climate change. <i>Climate Dynamics</i> , 2011, 37, 2289-2301.	3.8	45

#	ARTICLE	IF	CITATIONS
37	Near-equatorial typhoon development: Climatology and numerical simulations. <i>Advances in Atmospheric Sciences</i> , 2010, 27, 1014-1024.	4.3	5