

# Yaping Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6134250/publications.pdf>

Version: 2024-02-01

20  
papers

1,043  
citations

623734

14  
h-index

752698

20  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1140  
citing authors

#	ARTICLE	IF	CITATIONS
1	Absorption of Solar Radiation by Clouds: Observations Versus Models. <i>Science</i> , 1995, 267, 496-499.	12.6	383
2	Characteristics of Landfalling Tropical Cyclones in the United States and Mexico: Climatology and Interannual Variability. <i>Journal of Climate</i> , 2005, 18, 1247-1262.	3.2	156
3	Recent trends of the tropical hydrological cycle inferred from Global Precipitation Climatology Project and International Satellite Cloud Climatology Project data. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	90
4	An improved algorithm for retrieving surface downwelling longwave radiation from satellite measurements. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	70
5	The Dark Target Algorithm for Observing the Global Aerosol System: Past, Present, and Future. <i>Remote Sensing</i> , 2020, 12, 2900.	4.0	43
6	Use of High-Resolution Satellite Observations to Evaluate Cloud and Precipitation Statistics from Cloud-Resolving Model Simulations. Part I: South China Sea Monsoon Experiment. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 4309-4329.	1.7	38
7	A machine-learning-based cloud detection and thermodynamic-phase classification algorithm using passive spectral observations. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2257-2277.	3.1	37
8	Algorithm development strategies for retrieving the downwelling longwave flux at the Earth's surface. <i>Journal of Geophysical Research</i> , 2001, 106, 12477-12488.	3.3	32
9	Cloud products from the Earth Polychromatic Imaging Camera (EPIC): algorithms and initial evaluation. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2019-2031.	3.1	27
10	Observation and modeling of the historic "Godzilla" African dust intrusion into the Caribbean Basin and the southern US in June 2020. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12359-12383.	4.9	27
11	Mapping TRMM TMPA into Average Recurrence Interval for Monitoring Extreme Precipitation Events. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 979-995.	1.5	25
12	A Spatial-Temporal Extreme Precipitation Database from GPM IMERG. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10344-10363.	3.3	24
13	Sensitivity of boreal-summer circulation and precipitation to atmospheric aerosols in selected regions " Part 1: Africa and India. <i>Annales Geophysicae</i> , 2009, 27, 3989-4007.	1.6	20
14	Dust Aerosol Retrieval Over the Oceans With the MODIS/VIIRS Dark Target Algorithm: 1. Dust Detection. <i>Earth and Space Science</i> , 2020, 7, e2020EA001221.	2.6	15
15	Rain characteristics and large-scale environments of precipitation objects with extreme rain volumes from TRMM observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9673-9689.	3.3	14
16	Dust Aerosol Retrieval Over the Oceans With the MODIS/VIIRS Dark Target Algorithm: 2. Nonspherical Dust Model. <i>Earth and Space Science</i> , 2020, 7, e2020EA001222.	2.6	12
17	The relationships between the trends of mean and extreme precipitation. <i>International Journal of Climatology</i> , 2017, 37, 3883-3894.	3.5	9
18	Cloud detection over snow and ice with oxygen A- and B-band observations from the Earth Polychromatic Imaging Camera (EPIC). <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1575-1591.	3.1	7

#	ARTICLE	IF	CITATIONS
19	Atmospheric Corrections Using MODTRAN for TOA and Surface BRDF Characteristics from High Resolution Spectroradiometric/Angular Measurements from a Helicopter Platform. <i>Advances in Atmospheric Sciences</i> , 2001, 18, 984-1004.	4.3	6
20	Cloud Detection Over Sunlint Regions With Observations From the Earth Polychromatic Imaging Camera. <i>Frontiers in Remote Sensing</i> , 2021, 2, .	3.5	4