

Sun Wong

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

826
citations

471509

17
h-index

501196

28
g-index

33
all docs

33
docs citations

33
times ranked

1296
citing authors

#	ARTICLE	IF	CITATIONS
1	On the quantification of oceanic rainfall using spaceborne sensors. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	89
2	Impact of increased water vapor on precipitation efficiency over northern Eurasia. <i>Geophysical Research Letters</i> , 2014, 41, 2941-2947.	4.0	63
3	Maintenance of Lower Tropospheric Temperature Inversion in the Saharan Air Layer by Dust and Dry Anomaly. <i>Journal of Climate</i> , 2009, 22, 5149-5162.	3.2	54
4	Validation of MODIS cloud mask and multilayer flag using CloudSatâ€œCALIPSO cloud profiles and a crossâ€œreference of their cloud classifications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,620.	3.3	52
5	Rapid decadal convective precipitation increase over Eurasia during the last three decades of the 20th century. <i>Science Advances</i> , 2017, 3, e1600944.	10.3	43
6	Interannual Variability of the Antarctic Ozone Hole in a GCM. Part I: The Influence of Tropospheric Wave Variability. <i>Journals of the Atmospheric Sciences</i> , 1997, 54, 2308-2319.	1.7	41
7	Cloudâ€œinduced uncertainties in AIRS and ECMWF temperature and specific humidity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1880-1901.	3.3	39
8	Single-footprint retrievals of temperature, water vapor and cloud properties from AIRS. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 971-995.	3.1	39
9	Classification of atmospheric river events on the U.S. West Coast using a trajectory model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3007-3028.	3.3	38
10	Increasing atmospheric water vapor and higher daily precipitation intensity over northern Eurasia. <i>Geophysical Research Letters</i> , 2015, 42, 9404-9410.	4.0	36
11	Cloud-State-Dependent Sampling in AIRS Observations Based on CloudSat Cloud Classification. <i>Journal of Climate</i> , 2013, 26, 8357-8377.	3.2	35
12	Closing the Global Water Vapor Budget with AIRS Water Vapor, MERRA Reanalysis, TRMM and GPCP Precipitation, and GSSTF Surface Evaporation. <i>Journal of Climate</i> , 2011, 24, 6307-6321.	3.2	30
13	Tropical Atlantic dust and smoke aerosol variations related to the Maddenâ€œJulian Oscillation in MODIS and MISR observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4947-4963.	3.3	30
14	Increasing Daily Precipitation Intensity Associated with Warmer Air Temperatures over Northern Eurasia. <i>Journal of Climate</i> , 2016, 29, 623-636.	3.2	29
15	The Apparent Water Vapor Sinks and Heat Sources Associated with the Intraseasonal Oscillation of the Indian Summer Monsoon. <i>Journal of Climate</i> , 2011, 24, 4466-4479.	3.2	28
16	Observation-Based Longwave Cloud Radiative Kernels Derived from the A-Train. <i>Journal of Climate</i> , 2016, 29, 2023-2040.	3.2	28
17	Validation of AIRS version 6 temperature profiles and surfaceâ€œbased inversions over Antarctica using Concordiasi dropsonde data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 992-1007.	3.3	27
18	On the response of MODIS cloud coverage to global mean surface air temperature. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 966-979.	3.3	18

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19	The Pacific Subtropical Cloud Transition: A MAGIC Assessment of AIRS and ECMWF Thermodynamic Structure. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1586-1590.	3.1	16
20	Cloud regime evolution in the Indian monsoon intraseasonal oscillation: Connection to large-scale dynamical conditions and the atmospheric water budget. Geophysical Research Letters, 2015, 42, 9465-9472.	4.0	13
21	More frequent showers and thunderstorm days under a warming climate: evidence observed over Northern Eurasia from 1966 to 2000. Climate Dynamics, 2017, 49, 1933-1944.	3.8	11
22	On the net surface water exchange rate estimated from remote-sensing observation and reanalysis. International Journal of Remote Sensing, 2014, 35, 2170-2185.	2.9	10
23	Responses of Tropical Ocean Clouds and Precipitation to the Large-Scale Circulation: Atmospheric-Water-Budget-Related Phase Space and Dynamical Regimes. Journal of Climate, 2016, 29, 7127-7143.	3.2	10
24	The 2005 Amazon Drought Legacy Effect Delayed the 2006 Wet Season Onset. Geophysical Research Letters, 2019, 46, 9082-9090.	4.0	10
25	Extreme Convection and Tropical Climate Variability: Scaling of Cold Brightness Temperatures to Sea Surface Temperature. Journal of Climate, 2016, 29, 3893-3905.	3.2	8
26	Temporal and Spatial Characteristics of Short-Term Cloud Feedback on Global and Local Interannual Climate Fluctuations from A-Train Observations. Journal of Climate, 2019, 32, 1875-1893.	3.2	7
27	Coupling of Precipitation and Cloud Structures in Oceanic Extratropical Cyclones to Large-Scale Moisture Flux Convergence. Journal of Climate, 2018, 31, 9565-9584.	3.2	5
28	Moist convection: a key to tropical wave moisture interaction in Indian monsoon intraseasonal oscillation. Climate Dynamics, 2018, 51, 3673-3684.	3.8	5
29	Local Balance and Variability of Atmospheric Heat Budget over Oceans: Observation and Reanalysis-Based Estimates. Journal of Climate, 2014, 27, 893-913.	3.2	4
30	Regime-Dependent Differences in Surface Freshwater Exchange Estimates Over the Ocean. Geophysical Research Letters, 2018, 45, 955-963.	4.0	3
31	Impacts of Storm Track Variations on Wintertime Extreme Precipitation and Moisture Budgets over the Ohio Valley and Northwestern United States. Journal of Climate, 2020, 33, 5371-5391.	3.2	3
32	ENSO regulation of far- and mid-infrared contributions to clear-sky OLR. Geophysical Research Letters, 2016, 43, 8751-8759.	4.0	2