Yinghui Liu

List of Publications by Year
in descending order

36 papers	1,406 citations	394421 19 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	1722 citing authors

#	Article	IF	Citations
1	Observational evaluation of global climate model simulations of arctic sea ice and adjacent land pertaining to the radiative effects of frozen hydrometeors. Environmental Research Communications, 2022, 4, 025008.	2.3	1
2	A New Perspective on Four Decades of Changes in Arctic Sea Ice from Satellite Observations. Remote Sensing, 2022, 14, 1846.	4.0	7
3	A Blended Sea Ice Concentration Product from AMSR2 and VIIRS. Remote Sensing, 2021, 13, 2982.	4.0	3
4	Application of a Convolutional Neural Network for the Detection of Sea Ice Leads. Remote Sensing, 2021, 13, 4571.	4.0	8
5	Snow and Ice Products from ABI on the GOES-R Series. , 2020, , 165-177.		2
6	Assessment of AMSR2 Ice Extent and Ice Edge in the Arctic Using IMS. Remote Sensing, 2020, 12, 1582.	4.0	4
7	Multidecadal Arctic sea ice thickness and volume derived from ice age. Cryosphere, 2020, 14, 1325-1345.	3.9	17
8	Potential faster Arctic sea ice retreat triggered by snowflakes' greenhouse effect. Cryosphere, 2019, 13, 969-980.	3.9	6
9	The Detection and Characterization of Arctic Sea Ice Leads with Satellite Imagers. Remote Sensing, 2019, 11, 521.	4.0	22
10	Ice Surface Temperature Retrieval from a Single Satellite Imager Band. Remote Sensing, 2018, 10, 1909.	4.0	7
11	Arctic climate: changes in sea ice extent outweigh changes in snow cover. Cryosphere, 2018, 12, 3373-3382.	3.9	18
12	Time Evolution of the Cloud Response to Moisture Intrusions into the Arctic during Winter. Journal of Climate, 2018, 31, 9389-9405.	3.2	22
13	Operational Implementation of Sea Ice Concentration Estimates From the AMSR2 Sensor. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3904-3911.	4.9	11
14	Validation of Suomi-NPP VIIRS sea ice concentration with very high-resolution satellite and airborne camera imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 130, 122-138.	11.1	5
15	Improved simulation of Antarctic sea ice due to the radiative effects of falling snow. Environmental Research Letters, 2017, 12, 084010.	5.2	10
16	Cloud vertical distribution from combined surface and space radarâ€“lidar observations at two Arctic atmospheric observatories. Atmospheric Chemistry and Physics, 2017, 17, 5973-5989.	4.9	31
17	Sea and Freshwater Ice Concentration from VIIRS on Suomi NPP and the Future JPSS Satellites. Remote Sensing, 2016, 8, 523.	4.0	35
18	The AVHRR Polar Pathfinder Climate Data Records. Remote Sensing, 2016, 8, 167.	4.0	44

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19	The influence of winter cloud on summer sea ice in the Arctic, 1983â€“2013. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2178-2187.	3.3	36
20	Assessment of Arctic Cloud Cover Anomalies in Atmospheric Reanalysis Products Using Satellite Data. Journal of Climate, 2016, 29, 6065-6083.	3.2	47
21	Estimating errors in cloud amount and cloud optical thickness due to limited spatial sampling using a satellite imager as a proxy for nadirâ€view sensors. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6980-6991.	3.3	7
22	Validation of the Suomi NPP VIIRS Ice Surface Temperature Environmental Data Record. Remote Sensing, 2015, 7, 17258-17271.	4.0	7
23	Direct impact of El NiÃ±o on East Asian summer precipitation in the observation. Climate Dynamics, 2015, 44, 2979-2987.	3.8	20
24	Less winter cloud aids summer 2013 Arctic sea ice return from 2012 minimum. Environmental Research Letters, 2014, 9, 044002.	5.2	67
25	Snow and ice products from Suomi NPP VIIRS. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,816.	3.3	47
26	Monitoring Change in the Arctic. , 2013, , 127-149.		0
27	Arctic Climate Variability and Trends from Satellite Observations. Advances in Meteorology, 2012, 2012, 1-22.	1.6	18
28	Arctic cloud macrophysical characteristics from CloudSat and CALIPSO. Remote Sensing of Environment, 2012, 124, 159-173.	11.0	83
29	A cloudier Arctic expected with diminishing sea ice. Geophysical Research Letters, 2012, 39, .	4.0	78
30	Errors in Cloud Detection over the Arctic Using a Satellite Imager and Implications for Observing Feedback Mechanisms. Journal of Climate, 2010, 23, 1894-1907.	3.2	91
31	A thermodynamic model for estimating sea and lake ice thickness with optical satellite data. Journal of Geophysical Research, 2010, 115, .	3.3	52
32	Influence of changes in sea ice concentration and cloud cover on recent Arctic surface temperature trends. Geophysical Research Letters, 2009, 36, .	4.0	50
33	Cloud Detection with MODIS. Part I: Improvements in the MODIS Cloud Mask for Collection 5. Journal of Atmospheric and Oceanic Technology, 2008, 25, 1057-1072.	1.3	346
34	The Influence of Changes in Cloud Cover on Recent Surface Temperature Trends in the Arctic. Journal of Climate, 2008, 21, 705-715.	3.2	73
35	Possible causes of decreasing cloud cover in the Arctic winter, 1982â€“2000. Geophysical Research Letters, 2007, 34, .	4.0	32
36	Nighttime polar cloud detection with MODIS. Remote Sensing of Environment, 2004, 92, 181-194.	11.0	99