

Yikun Yang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,191
citations

394421

19
h-index

414414

32
g-index

41
all docs

41
docs citations

41
times ranked

1120
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive analysis of the spatio-temporal variation of urban air pollution in China during 2014–2018. <i>Atmospheric Environment</i> , 2020, 220, 117066.	4.1	264
2	Aerosol characteristics and impacts on weather and climate over the Tibetan Plateau. <i>National Science Review</i> , 2020, 7, 492-495.	9.5	128
3	A Universal Dynamic Threshold Cloud Detection Algorithm (UDTCDA) supported by a prior surface reflectance database. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7172-7196.	3.3	70
4	Temperature-Based and Radiance-Based Validation of the Collection 6 MYD11 and MYD21 Land Surface Temperature Products Over Barren Surfaces in Northwestern China. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 1794-1807.	6.3	56
5	Spatio-Temporal Variations of the PM _{2.5} /PM ₁₀ Ratios and Its Application to Air Pollution Type Classification in China. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	50
6	Toward Understanding the Differences of PM _{2.5} Characteristics Among Five China Urban Cities. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2020, 56, 493-502.	2.3	49
7	Spatiotemporal distributions of cloud properties over China based on Himawari-8 advanced Himawari imager data. <i>Atmospheric Research</i> , 2020, 240, 104927.	4.1	47
8	Health risk and disease burden attributable to long-term global fine-mode particles. <i>Chemosphere</i> , 2022, 287, 132435.	8.2	44
9	The Role of Primary Emission and Transboundary Transport in the Air Quality Changes During and After the COVID-19 Lockdown in China. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091065.	4.0	42
10	Distinct Impacts of Light and Heavy Precipitation on PM _{2.5} Mass Concentration in Beijing. <i>Earth and Space Science</i> , 2019, 6, 1915-1925.	2.6	37
11	A cloud shadow detection method combined with cloud height iteration and spectral analysis for Landsat 8 OLI data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 138, 193-207.	11.1	36
12	Comparison of the MuSyQ and MODIS Collection 6 Land Surface Temperature Products Over Barren Surfaces in the Heihe River Basin, China. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 8081-8094.	6.3	35
13	Aerosol characteristics at the three poles of the Earth as characterized by Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4849-4868.	4.9	33
14	Long-term multi-source data analysis about the characteristics of aerosol optical properties and types over Australia. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3803-3825.	4.9	33
15	Statistical aerosol properties associated with fire events from 2002 to 2019 and a case analysis in 2019 over Australia. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3833-3853.	4.9	24
16	Validation and Accuracy Analysis of Global MODIS Aerosol Products over Land. <i>Atmosphere</i> , 2017, 8, 155.	2.3	21
17	Improved Aerosol Retrievals Over Complex Regions Using NPP Visible Infrared Imaging Radiometer Suite Observations. <i>Earth and Space Science</i> , 2019, 6, 629-645.	2.6	20
18	Machine learning-based estimation of ground-level NO ₂ concentrations over China. <i>Science of the Total Environment</i> , 2022, 807, 150721.	8.0	20

#	ARTICLE	IF	CITATIONS
19	Machine learning-based retrieval of day and night cloud macrophysical parameters over East Asia using Himawari-8 data. <i>Remote Sensing of Environment</i> , 2022, 273, 112971.	11.0	20
20	Multi-Source Data Based Investigation of Aerosol-Cloud Interaction Over the North China Plain and North of the Yangtze Plain. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035609.	3.3	19
21	Ground-level NO ₂ concentration estimation based on OMI tropospheric NO ₂ and its spatiotemporal characteristics in typical regions of China. <i>Atmospheric Research</i> , 2021, 264, 105821.	4.1	19
22	Enhanced Aerosol Estimations From Suomi-NPP VIIRS Images Over Heterogeneous Surfaces. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 9534-9543.	6.3	16
23	Evaluation of Atmospheric Correction Methods for the ASTER Temperature and Emissivity Separation Algorithm Using Ground Observation Networks in the HiWATER Experiment. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 3001-3014.	6.3	16
24	A simplified Suomi NPP VIIRS dust detection algorithm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 164, 314-323.	1.6	15
25	An Operational Split-Window Algorithm for Retrieving Land Surface Temperature from Geostationary Satellite Data: A Case Study on Himawari-8 AHI Data. <i>Remote Sensing</i> , 2020, 12, 2613.	4.0	14
26	Atmospheric inverse estimates of CO emissions from Zhengzhou, China. <i>Environmental Pollution</i> , 2020, 267, 115164.	7.5	13
27	Increase of precipitation by cloud seeding observed from a case study in November 2020 over Shijiazhuang, China. <i>Atmospheric Research</i> , 2021, 262, 105766.	4.1	13
28	Impact of emissions from a single urban source on air quality estimated from mobile observation and WRF-STILT model simulations. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 1313-1323.	3.3	7
29	Distinct changes of cloud microphysical properties and height development by dust aerosols from a case study over Inner-Mongolia region. <i>Atmospheric Research</i> , 2022, 273, 106175.	4.1	7
30	Dynamic threshold cloud detection algorithms for MODIS and Landsat 8 data. , 2016, , .		6
31	Cloud macrophysical characteristics in China mainland and east coast from 2006 to 2017 using satellite active remote sensing observations. <i>International Journal of Climatology</i> , 2022, 42, 8984-9002.	3.5	6
32	A high-resolution global dataset of aerosol optical depth over land from MODIS data. , 2016, , .		2
33	A Temperature and Emissivity Separation Algorithm for Chinese Gaofen-5 Satellite Data. , 2018, , .		2
34	Observed slump of sea land breeze in Brisbane under the effect of aerosols from remote transport during 2019 Australian mega fire events. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 419-439.	4.9	2
35	A comparison of the cloud detection results between the UDTCA mask and MOD35 cloud products. , 2017, , .		1
36	MODIS Aerosol Optical Depth Inversion Over Urban Areas Supported by BRDF/Albedo Products. <i>Journal of the Indian Society of Remote Sensing</i> , 2020, 48, 1345-1354.	2.4	1

#	ARTICLE	IF	CITATIONS
37	Aerosol first indirect effect over narrow longitude regions of North Pacific and same-latitude lands. Atmospheric Environment, 2022, 277, 119081.	4.1	1
38	Detection and validation of dust storm from NPP VIIRS. , 2017, , .		0
39	Preliminary Evaluation of the Two Collection 6 Modis Land Surface Temperature Products in an Arid Area of Northwest China. , 2018, , .		0
40	MODIS Aerosol Inversion Under Complex Background Conditions Supported By BRDF/ALBEDO Products. , 2019, , .		0