

# 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  | Health risk and disease burden attributable to long-term global fine-mode particles. <i>Chemosphere</i> , 2022, 287, 132435.   | 8.2  | 44        |
| 2  | Machine learning-based estimation of ground-level NO <sub>2</sub> concentrations over China. <i>Science of the Total Environment</i> , 2022, 807, 150721.  | 8.0  | 20        |
| 3  | 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         |
| 4  | Aerosol first indirect effect over narrow longitude regions of North Pacific and same-latitude lands. <i>Atmospheric Environment</i> , 2022, 277, 119081.  | 4.1  | 1         |
| 5  | Machine learning-based retrieval of day and night cloud microphysical parameters over East Asia using Himawari-8 data. <i>Remote Sensing of Environment</i> , 2022, 273, 112971.   | 11.0 | 20        |
| 6  | 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         |
| 7  | Cloud microphysical 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         |
| 8  | 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        |
| 9  | Aerosol characteristics at the three poles of the Earth as characterized by Cloudâ€™s Aerosol Lidar and Infrared Pathfinder Satellite Observations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4849-4868.                                | 4.9  | 33        |
| 10 | 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        |
| 11 | 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        |
| 12 | 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         |
| 13 | The Role of Primary Emission and Transboundary Transport in the Air Quality Changes During and After the COVIDâ€™19 Lockdown in China. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091065.  | 4.0  | 42        |
| 14 | Spatio-Temporal Variations of the PM <sub>2.5</sub> /PM <sub>10</sub> Ratios and Its Application to Air Pollution Type Classification in China. <i>Frontiers in Environmental Science</i> , 2021, 9, .   | 3.3  | 50        |
| 15 | Multiâ€™Source Data Based Investigation of Aerosolâ€™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        |
| 16 | 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        |
| 17 | Ground-level NO <sub>2</sub> concentration estimation based on OMI tropospheric NO <sub>2</sub> and its spatiotemporal characteristics in typical regions of China. <i>Atmospheric Research</i> , 2021, 264, 105821.                               | 4.1  | 19        |
| 18 | Toward Understanding the Differences of PM <sub>2.5</sub> Characteristics Among Five China Urban Cities. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2020, 56, 493-502.  | 2.3  | 49        |

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|----|--|------|-----------|
| 19 | 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       |
| 20 | Atmospheric inverse estimates of CO emissions from Zhengzhou, China. <i>Environmental Pollution</i> , 2020, 267, 115164.   | 7.5  | 13        |
| 21 | 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         |
| 22 | 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        |
| 23 | 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        |
| 24 | Aerosol characteristics and impacts on weather and climate over the Tibetan Plateau. <i>National Science Review</i> , 2020, 7, 492-495.  | 9.5  | 128       |
| 25 | 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        |
| 26 | 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        |
| 27 | 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        |
| 28 | Distinct Impacts of Light and Heavy Precipitation on PM <sub>2.5</sub> Mass Concentration in Beijing. <i>Earth and Space Science</i> , 2019, 6, 1915-1925.   | 2.6  | 37        |
| 29 | MODIS Aerosol Inversion Under Complex Background Conditions Supported By BRDF/ALBEDO Products. , 2019, , .   |      | 0         |
| 30 | 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        |
| 31 | 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        |
| 32 | Preliminary Evaluation of the Two Collection 6 Modis Land Surface Temperature Products in an Arid Area of Northwest China. , 2018, , .   |      | 0         |
| 33 | A Temperature and Emissivity Separation Algorithm for Chinese Gaofen-5 Satellite Data. , 2018, , .   |      | 2         |
| 34 | A simplified Suomi NPP VIIRS dust detection algorithm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 164, 314-323.   | 1.6  | 15        |
| 35 | Detection and validation of dust storm from NPP VIIRS. , 2017, , .   |      | 0         |
| 36 | Validation and Accuracy Analysis of Global MODIS Aerosol Products over Land. <i>Atmosphere</i> , 2017, 8, 155.   | 2.3  | 21        |

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|----|---|-----|-----------|
| 37 | A comparison of the cloud detection results between the UDTCDA mask and MOD35 cloud products. , 2017, , .   |     | 1         |
| 38 | Dynamic threshold cloud detection algorithms for MODIS and Landsat 8 data. , 2016, , .  |     | 6         |
| 39 | A high-resolution global dataset of aerosol optical depth over land from MODIS data. , 2016, , .  |     | 2         |
| 40 | A Universal Dynamic Threshold Cloud Detection Algorithm (UDTCDA) supported by a prior surface reflectance database. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7172-7196. | 3.3 | 70        |