Yi Wang

List of Publications by Year
in descending order

20 papers	407 citations	840728 11 h-index	839512 18 g-index
21 all docs	21 docs citations	21 times ranked	671 citing authors

#	Article	IF	Citations
1	Passive remote sensing of altitude and optical depth of dust plumes using the oxygen A and B bands: First results from EPIC/DSCOVR at Lagrange–1 point. Geophysical Research Letters, 2017, 44, 7544-7554.	4.0	69
2	Monthly top‑down NO_x emissions for China (2005–2012): A hybrid inversion method and trend analysis. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4600-4625.	3.3	59
3	SO_2 Emission Estimates Using OMI SO_2 Retrievals for 2005–2017. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8336-8359.	3.3	47
4	Detecting layer height of smoke aerosols over vegetated land and water surfaces via oxygen absorption bands: hourly results from EPIC/DSCOVR in deep space. Atmospheric Measurement Techniques, 2019, 12, 3269-3288.	3.1	40
5	A new approach for monthly updates of anthropogenic sulfur dioxide emissions from space: Application to China and implications for air quality forecasts. Geophysical Research Letters, 2016, 43, 9931-9938.	4.0	29
6	MODIS Retrieval of Aerosol Optical Depth over Turbid Coastal Water. Remote Sensing, 2017, 9, 595.	4.0	25
7	Inverse modeling of SO_2 and NO_x emissions over China using multisensor satellite data â€" Part 1: Formulation and sensitivity analysis. Atmospheric Chemistry and Physics, 2020, 20, 6631-6650.	4.9	16
8	Study on multi-scale blending initial condition perturbations for a regional ensemble prediction system. Advances in Atmospheric Sciences, 2015, 32, 1143-1155.	4.3	14
9	*A Tale of Two Dust Storms*: analysis of a complex dust event in the Middle East. Atmospheric Measurement Techniques, 2019, 12, 5101-5118.	3.1	14
10	Tropospheric SO2 and NO2 in 2012–2018: Contrasting views of two sensors (OMI and OMPS) from space. Atmospheric Environment, 2020, 223, 117214.	4.1	13
11	The polarization crossfire (PCF) sensor suite focusing on satellite remote sensing of fine particulate matter PM2.5 from space. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 286, 108217.	2.3	13
12	Sense size-dependent dust loading and emission from space using reflected solar and infrared spectral measurements: An observation system simulation experiment. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8233-8254.	3.3	12
13	Inverse modeling of SO_2 and NO_x emissions over China using multisensor satellite data â€" Part 2: Downscaling techniques for air quality analysis and forecasts. Atmospheric Chemistry and Physics, 2020, 20, 6651-6670.	4.9	12
14	A Two-Stage Quality Control Method for 2-m Temperature Observations Using Biweight Means and a Progressive EOF Analysis. Monthly Weather Review, 2013, 141, 798-808.	1.4	10
15	The influence of simulated surface dust lofting and atmospheric loading on radiative forcing. Atmospheric Chemistry and Physics, 2019, 19, 10279-10301.	4.9	9
16	Passive Remote Sensing of Aerosol Height. , 2018, , 1-22.		8
17	First Retrieval of AOD at Fine Resolution Over Shallow and Turbid Coastal Waters From MODIS. Geophysical Research Letters, 2021, 48, e2021GL094344.	4.0	6
18	Application Potential of Satellite Thermal Anomaly Products in Updating Industrial Emission Inventory of China. Geophysical Research Letters, 2021, 48, e2021GL092997.	4.0	5

#	Article	IF	Citations
19	Characterization of Urban Heat Islands Using City Lights: Insights from MODIS and VIIRS DNB Observations. Remote Sensing, 2021, 13, 3180.	4.0	4
20	Detecting Layer Height of Smoke and Dust Aerosols Over Vegetated Land and Water Surfaces via Oxygen Absorption Bands. , 2020, , .		0