

# Xingfeng Chen

## List of Publications by Year in descending order

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51  
papers

519  
citations

759233

12  
h-index

677142

22  
g-index

54  
all docs

54  
docs citations

54  
times ranked

531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote sensing of atmospheric particulate mass of dry PM <sub>2.5</sub> near the ground: Method validation using ground-based measurements. <i>Remote Sensing of Environment</i> , 2016, 173, 59-68.	11.0	92
2	Joint retrieval of the aerosol fine mode fraction and optical depth using MODIS spectral reflectance over northern and eastern China: Artificial neural network method. <i>Remote Sensing of Environment</i> , 2020, 249, 112006.	11.0	48
3	Multi-Scale Ship Detection Algorithm Based on a Lightweight Neural Network for Spaceborne SAR Images. <i>Remote Sensing</i> , 2022, 14, 1149.	4.0	42
4	A Dark Target Method for Himawari-8/AHI Aerosol Retrieval: Application and Validation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 381-394.	6.3	40
5	Simultaneous retrieval of aerosol optical properties over the Pearl River Delta, China using multi-angular, multi-spectral, and polarized measurements. <i>Remote Sensing of Environment</i> , 2011, 115, 1643-1652.	11.0	33
6	Estimating Spatio-Temporal Variations of PM <sub>2.5</sub> Concentrations Using VIIRS-Derived AOD in the Guanzhong Basin, China. <i>Remote Sensing</i> , 2019, 11, 2679.	4.0	29
7	Retrieval of Aerosol Fine-Mode Fraction from Intensity and Polarization Measurements by PARASOL over East Asia. <i>Remote Sensing</i> , 2016, 8, 417.	4.0	26
8	Estimation of atmospheric aerosol composition from ground-based remote sensing measurements of Sun-sky radiometer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 498-518.	3.3	25
9	Aerosol optical, microphysical, chemical and radiative properties of high aerosol load cases over the Arctic based on AERONET measurements. <i>Scientific Reports</i> , 2018, 8, 9376.	3.3	22
10	The Impacts of the COVID-19 Lockdown on Air Quality in the Guanzhong Basin, China. <i>Remote Sensing</i> , 2020, 12, 3042.	4.0	21
11	Improving Remote Sensing of Aerosol Optical Depth over Land by Polarimetric Measurements at 1640 nm: Airborne Test in North China. <i>Remote Sensing</i> , 2015, 7, 6240-6256.	4.0	19
12	Validation of the aerosol optical property products derived by the GRASP/Component approach from multi-angular polarimetric observations. <i>Atmospheric Research</i> , 2021, 263, 105802.	4.1	17
13	In-Flight Calibration of GF-1/WFV Visible Channels Using Rayleigh Scattering. <i>Remote Sensing</i> , 2017, 9, 513.	4.0	10
14	Retrieval of Aerosol Optical Depth Using the Empirical Orthogonal Functions (EOFs) Based on PARASOL Multi-Angle Intensity Data. <i>Remote Sensing</i> , 2017, 9, 578.	4.0	9
15	Air Quality over China. <i>Remote Sensing</i> , 2021, 13, 3542.	4.0	8
16	Neural Network AEROSol Retrieval for Geostationary Satellite (NNAeroG) Based on Temporal, Spatial and Spectral Measurements. <i>Remote Sensing</i> , 2022, 14, 980.	4.0	8
17	Ground-Based Polarimetric Remote Sensing of Dust Aerosol Properties in Chinese Deserts near Hexi Corridor. <i>Advances in Meteorology</i> , 2014, 2014, 1-10.	1.6	7
18	Improving Daytime Planetary Boundary Layer Height Determination from CALIOP: Validation Based on Ground-Based Lidar Station. <i>Advances in Meteorology</i> , 2017, 2017, 1-14.	1.6	7

#	ARTICLE	IF	CITATIONS
19	Method to intercalibrate sunphotometer constants using an integrating sphere as a light source in the laboratory. <i>Applied Optics</i> , 2013, 52, 2226.	1.8	6
20	Studying aerosol light scattering based on aspect ratio distribution observed by fluorescence microscope. <i>Optics Express</i> , 2017, 25, A813.	3.4	6
21	Using the Gaofen-4 geostationary satellite to retrieve aerosols with high spatiotemporal resolution. <i>Journal of Applied Remote Sensing</i> , 2018, 12, 1.	1.3	6
22	Hyperspectral Identification of Ginseng Growth Years and Spectral Importance Analysis Based on Random Forest. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5852.	2.5	5
23	Transfer method to calibrate the normalized radiance for a CE318 Sun/sky radiometer. <i>Chinese Optics Letters</i> , 2015, 13, 041001-41005.	2.9	4
24	Autonomous Mission Planning Method for Optical Imaging Satellites Based on Real-Time Cloud Cover Information. <i>Remote Sensing</i> , 2022, 14, 2635.	4.0	4
25	Power control algorithm based on game theory in cognitive radio networks. , 2010, , .		3
26	Initial research on the polarized reflectance of typical urban surface types measured by the Directional Polarimetric Camera. <i>Science China Earth Sciences</i> , 2011, 54, 1199-1205.	5.2	3
27	Radiation environment study of near space in China area. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
28	Sun-sky radiometer observation network with the extension of multi-wavelength polarization measurements. <i>Yaogan Xuebao/Journal of Remote Sensing</i> , 2015, 19, 495-519.	0.9	3
29	The Enteromorpha prolifera spatial distribution monitoring using multispectral aerial remote sensing images in 29th Olympics sailing area. , 2009, , .		2
30	Study on aerosol optical depth retrieval over land from Himawari-8 data based on dark target method. <i>Yaogan Xuebao/Journal of Remote Sensing</i> , 2018, 22, 38-50.	0.9	2
31	QUantitative and Automatic Atmospheric Correction (QUAAC): Application and Validation. <i>Sensors</i> , 2022, 22, 3280.	3.8	2
32	Multi-image space resection based geometric calibration for Four bands CCD camera. , 2010, , .		1
33	Geometric calibration and accuracy assessment of a multispectral imager on UAVs. , 2012, , .		1
34	Comparison between dust and haze aerosol properties of the 2015 Spring in Beijing using ground-based sun photometer and lidar. , 2015, , .		1
35	A sensitivity study of atmospheric reflectance to aerosol layer height based on multi-angular polarimetric measurements. , 2015, , .		1
36	Study on pixel matching method of the multi-angle observation from airborne AMPR measurements. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Identifying ginkgo trees using spectrum and texture time series from very high resolution satellite data. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	1
38	Evaluation of radiometric performance of MODIS visible bands using the Rayleigh scattering method. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	1
39	Blind estimation of subcarrier number in MB-OFDM ultra-wide band communications system. , 2009, , .		0
40	A feedforward control idea for CBIR using obvious features. Proceedings of SPIE, 2009, , .	0.8	0
41	Enteromorpha Prolifera aerial remote sensing monitoring using array camera. , 2010, , .		0
42	Research on 3D canopy's reflectance model of semi-arid grassland. , 2010, , .		0
43	Ocean surface winds measurement using reflected GNSS signals. , 2010, , .		0
44	Time series of cross-calibration of HJ-1B thermal infrared channel. Proceedings of SPIE, 2011, , .	0.8	0
45	The research of dual-path optical visibility measurement technology. , 2011, , .		0
46	Design of the attitude automatic adjusting system for the solar panel. , 2011, , .		0
47	A study on typical aerosol extinction profile under clear sky condition in Beijing measured by ground-based Lidar. Proceedings of SPIE, 2015, , .	0.8	0
48	Retrieval of aerosol extinction coefficients from ground-based 532nm lidar during APEC conference in Beijing. , 2015, , .		0
49	Retrieval of absorptive gas columnar amounts using atmospheric hyper-spectral irradiance measurements within visible spectrum. Proceedings of SPIE, 2015, , .	0.8	0
50	Water vapor retrieval from near-IR measurements of polarized scanning atmospheric corrector. , 2018, , .		0
51	A parallel method of atmospheric correction for multispectral high spatial resolution remote sensing images. , 2018, , .		0