Peng Zhang

List of Publications by Year
in descending order

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153 papers	3,885 citations	117625 34 h-index	155660 55 g-index
162 all docs	162 docs citations	162 times ranked	5493 citing authors

#	Article	IF	Citations
1	Ultrasmall MoO_x Clusters as a Novel Cocatalyst for Photocatalytic Hydrogen Evolution. Advanced Materials, 2019, 31, e1804883.	21.0	222
2	Genome-wide association study of 40,000 individuals identifies two novel loci associated with bipolar disorder. Human Molecular Genetics, 2016, 25, 3383-3394.	2.9	182
3	An Overview of a New Chinese Weather Satellite FY-3A. Bulletin of the American Meteorological Society, 2009, 90, 1531-1544.	3.3	145
4	Heterogeneous Reactions of Sulfur Dioxide on Typical Mineral Particles. Journal of Physical Chemistry B, 2006, 110, 12588-12596.	2.6	129
5	Oxygen vacancyâ€“induced ferromagnetism in un-doped ZnO thin films. Journal of Applied Physics, 2012, 111, .	2.5	125
6	Satellite-Based Atmospheric Infrared Sounder Development and Applications. Bulletin of the American Meteorological Society, 2018, 99, 583-603.	3.3	124
7	Gasdermin D serves as a key executioner of pyroptosis in experimental cerebral ischemia and reperfusion model both in vivo and in vitro. Journal of Neuroscience Research, 2019, 97, 645-660.	2.9	115
8	Latest Progress of the Chinese Meteorological Satellite Program and Core Data Processing Technologies. Advances in Atmospheric Sciences, 2019, 36, 1027-1045.	4.3	106
9	Identification and physical retrieval of dust storm using three MODIS thermal IR channels. Global and Planetary Change, 2006, 52, 197-206.	3.5	98
10	Scattering and absorbing aerosols in the climate system. Nature Reviews Earth & Environment, 2022, 3, 363-379.	29.7	93
11	Improvements on global meteorological observations from the current Fengyun 3 satellites and beyond. International Journal of Digital Earth, 2012, 5, 251-265.	3.9	83
12	Circular RNA hsa_circ_0000263 participates in cervical cancer development by regulating target gene of miRâ€150â€5p. Journal of Cellular Physiology, 2019, 234, 11391-11400.	4.1	74
13	FY-3E: The First Operational Meteorological Satellite Mission in an Early Morning Orbit. Advances in Atmospheric Sciences, 2022, 39, 1-8.	4.3	74
14	The trend, seasonal cycle, and sources of tropospheric NO2 over China during 1997â€“2006 based on satellite measurement. Science in China Series D: Earth Sciences, 2007, 50, 1877-1884.	0.9	70
15	Magnetic resonance imaging-based finite element stress analysis after linear repair of left ventricular aneurysm. Journal of Thoracic and Cardiovascular Surgery, 2008, 135, 1094-1102.e2.	0.8	68
16	Long noncoding RNA DANCR is activated by SALL4 and promotes the proliferation and invasion of gastric cancer cells. Oncotarget, 2018, 9, 1915-1930.	1.8	68
17	SALL4 activates TGF-β/SMAD signaling pathway to induce EMT and promote gastric cancer metastasis. Cancer Management and Research, 2018, Volume 10, 4459-4470.	1.9	63
18	Modulation the electronic property of 2D monolayer MoS2 by amino acid. Applied Materials Today, 2019, 14, 151-158.	4.3	61

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19	Overview of FY-3 Payload and Ground Application System. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 4846-4853.	6.3	58
20	Interaction with neutrophils promotes gastric cancer cell migration and invasion by inducing epithelial-mesenchymal transition. Oncology Reports, 2017, 38, 2959-2966.	2.6	57
21	PopViz: a webserver for visualizing minor allele frequencies and damage prediction scores of human genetic variations. Bioinformatics, 2018, 34, 4307-4309.	4.1	55
22	General introduction on payloads, ground segment and data application of Fengyun 3A. Frontiers of Earth Science, 2009, 3, 367-373.	0.5	54
23	Nuclearâ€localized At<scp>HSPR</scp> links abscisic acidâ€dependent salt tolerance and antioxidant defense in Arabidopsis. Plant Journal, 2015, 84, 1274-1294.	5.7	51
24	General Comparison of FY-4A/AGRI With Other GEO/LEO Instruments and Its Potential and Challenges in Non-meteorological Applications. Frontiers in Earth Science, 2019, 6, .	1.8	49
25	Catalytic effect of in situ formed nano-Mg2Ni and Mg2Cu on the hydrogen storage properties of Mg-Y hydride composites. Journal of Alloys and Compounds, 2019, 782, 242-250.	5.5	49
26	An introduction to the FY3 GNOS instrument and mountain-top tests. Atmospheric Measurement Techniques, 2014, 7, 1817-1823.	3.1	48
27	Characterization of aerosol over the Northern South China Sea during two cruises in 2003. Atmospheric Environment, 2007, 41, 7821-7836.	4.1	47
28	Capability of Fengyun-3D Satellite in Earth System Observation. Journal of Meteorological Research, 2019, 33, 1113-1130.	2.4	46
29	Extracellular protein analysis of activated sludge and their functions in wastewater treatment plant by shotgun proteomics. Scientific Reports, 2015, 5, 12041.	3.3	43
30	Fengyun Meteorological Satellite Products for Earth System Science Applications. Advances in Atmospheric Sciences, 2021, 38, 1267-1284.	4.3	41
31	Prelaunch Calibration and Radiometric Performance of the Advanced MERSI II on FengYun-3D. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4866-4875.	6.3	40
32	An introduction to China FY3 radio occultation mission and its measurement simulation. Advances in Space Research, 2012, 49, 1191-1197.	2.6	39
33	Hourly Aerosol Assimilation of Himawariâ€8 AOT Using the Fourâ€Dimensional Local Ensemble Transform Kalman Filter. Journal of Advances in Modeling Earth Systems, 2019, 11, 680-711.	3.8	36
34	Wide-field auroral imager onboard the Fengyun satellite. Light: Science and Applications, 2019, 8, 47.	16.6	35
35	The Application of Deep Convective Clouds in the Calibration and Response Monitoring of the Reflective Solar Bands of FY-3A/MERSI (Medium Resolution Spectral Imager). Remote Sensing, 2013, 5, 6958-6975.	4.0	34
36	Assessment and Correction of on-Orbit Radiometric Calibration for FY-3 VIRR Thermal Infrared Channels. Remote Sensing, 2014, 6, 2884-2897.	4.0	34

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37	Human umbilical cord mesenchymal stem cells alleviate inflammatory bowel disease through the regulation of 15-LOX-1 in macrophages. Biotechnology Letters, 2017, 39, 929-938.	2.2	32
38	Applications of Full Spatial Resolution Space-Based Advanced Infrared Soundings in the Preconvection Environment. Weather and Forecasting, 2012, 27, 515-524.	1.4	31
39	Spatiotemporal variations of tropospheric SO2 over China by SCIAMACHY observations during 2004â€“2009. Atmospheric Environment, 2012, 60, 238-246.	4.1	30
40	Preliminary validation of the refractivity from the new radio occultation sounder GNOS/FY-3C. Atmospheric Measurement Techniques, 2016, 9, 781-792.	3.1	30
41	Iron oxide nanoparticles as nanocarriers to improve chlorin e6-based sonosensitivity in sonodynamic therapy. Drug Design, Development and Therapy, 2018, Volume 12, 4207-4216.	4.3	30
42	Temporal and spatial distribution of tropospheric CO2 over China based on satellite observations. Science Bulletin, 2010, 55, 3612-3618.	1.7	26
43	Comparison of atmospheric CO₂ observed by GOSAT and two ground stations in China. International Journal of Remote Sensing, 2013, 34, 3938-3946.	2.9	26
44	A novel glycosyltransferase catalyses the transfer of glucose to glucosylated anthocyanins in purple sweet potato. Journal of Experimental Botany, 2018, 69, 5444-5459.	4.8	26
45	Impacts of meteorological nudging on the global dust cycle simulated by NICAM coupled with an aerosol model. Atmospheric Environment, 2018, 190, 99-115.	4.1	26
46	Antifungal Prenylated Diphenyl Ethers from Arthrinium arundinis, an Endophytic Fungus Isolated from the Leaves of Tobacco (Nicotiana tabacum L.). Molecules, 2018, 23, 3179.	3.8	25
47	FY3E GNOS II GNSS Reflectometry: Mission Review and First Results. Remote Sensing, 2022, 14, 988.	4.0	25
48	FY-3D HIRAS Radiometric Calibration and Accuracy Assessment. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3965-3976.	6.3	22
49	Three-dimensional Propagation of the Global Extreme-ultraviolet Wave Associated with a Solar Eruption on 2021 October 28. Astrophysical Journal, 2022, 928, 98.	4.5	22
50	Spatiotemporal variations in mid-upper tropospheric methane over China from satellite observations. Science Bulletin, 2011, 56, 3321.	1.7	21
51	An overview of passive and active dust detection methods using satellite measurements. Journal of Meteorological Research, 2014, 28, 1029-1040.	2.4	21
52	Effects of NO₂ and C₃H₆ on the heterogeneous oxidation of SO₂ on TiO₂ in the presence or absence of UVâ€“Vis irradiation. Atmospheric Chemistry and Physics, 2019, 19, 14777-14790.	4.9	21
53	Characteristics of solar-irradiance spectra from measurements, modeling, and theoretical approach. Light: Science and Applications, 2022, 11, 79.	16.6	21
54	Clustered Distribution of Natural Product Leads of Drugs in the Chemical Space as Influenced by the Privileged Target-Sites. Scientific Reports, 2015, 5, 9325.	3.3	20

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55	High Spectral Infrared Atmospheric Sounder (HIRAS): System Overview and On-Orbit Performance Assessment. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4335-4352.	6.3	20
56	Impact of point spread function on infrared radiances from geostationary Satellites. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 2176-2183.	6.3	19
57	PRDX2 in Myocyte Hypertrophy and Survival is Mediated by TLR4 in Acute Infarcted Myocardium. Scientific Reports, 2017, 7, 6970.	3.3	19
58	Carbon Dioxide Retrieval from TanSat Observations and Validation with TCCON Measurements. Remote Sensing, 2020, 12, 2204.	4.0	19
59	Direct radiative forcing of anthropogenic aerosols over oceans from satellite observations. Advances in Atmospheric Sciences, 2011, 28, 973-984.	4.3	18
60	Long-Term Monitoring and Correction of FY-2 Infrared Channel Calibration Using AIRS and IASI. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 5008-5018.	6.3	18
61	Review of Chinese atmospheric science research over the past 70 years: Atmospheric physics and atmospheric environment. Science China Earth Sciences, 2019, 62, 1903-1945.	5.2	18
62	Metabonomic study of the protective effect of Fukeqianjin formula on multi-pathogen induced pelvic inflammatory disease in rats. Chinese Medicine, 2018, 13, 61.	4.0	17
63	Improved stability of perovskite solar cells with enhanced moisture-resistant hole transport layers. Electrochimica Acta, 2019, 296, 508-516.	5.2	17
64	Development of the Chinese Space-Based Radiometric Benchmark Mission LIBRA. Remote Sensing, 2020, 12, 2179.	4.0	17
65	FY-3D MERSI On-Orbit Radiometric Calibration from the Lunar View. Sensors, 2020, 20, 4690.	3.8	16
66	Integrated Analysis of Dust Transport and Budget in a Severe Asian Dust Event. Aerosol and Air Quality Research, 2017, 17, 2390-2400.	2.1	16
67	Monitoring the 2008 cold surge and frozen disasters snowstorm in South China based on regional ATOVS data assimilation. Science China Earth Sciences, 2010, 53, 1216-1228.	5.2	15
68	SnO2-core carbon-shell composite nanotubes with enhanced photocurrent and photocatalytic performance. Applied Catalysis B: Environmental, 2015, 166-167, 193-201.	20.2	15
69	Benzophenone Derivatives from an Algal-Endophytic Isolate of Penicillium chrysogenum and Their Cytotoxicity. Molecules, 2018, 23, 3378.	3.8	15
70	On-Orbit Spatial Quality Evaluation and Image Restoration of FengYun-3C/MERSI. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6847-6858.	6.3	14
71	An investigation of the implications of lunar illumination spectral changes for Day/Night Bandâ€based cloud property retrieval due to lunar phase transition. Journal of Geophysical Research D: Atmospheres, 2017, 122, 9233-9244.	3.3	14
72	Selected Phytoestrogens Distinguish Roles of ERÎ± Transactivation and Ligand Binding for Anti-Inflammatory Activity. Endocrinology, 2018, 159, 3351-3364.	2.8	14

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73	Aerosol data assimilation using data from Fengyun-4A, a next-generation geostationary meteorological satellite. Atmospheric Environment, 2020, 237, 117695.	4.1	14
74	Satellite Retrieval of Microwave Land Surface Emissivity under Clear and Cloudy Skies in China Using Observations from AMSR-E and MODIS. Remote Sensing, 2021, 13, 3980.	4.0	14
75	Asian dust height and infrared optical depth retrievals over land from hyperspectral longwave infrared radiances. Journal of Geophysical Research, 2012, 117, .	3.3	13
76	Global Atmospheric CO2 Concentrations Simulated by GEOS-Chem: Comparison with GOSAT, Carbon Tracker and Ground-Based Measurements. Atmosphere, 2018, 9, 175.	2.3	13
77	Estimation of Atmospheric PM₁₀ Concentration in China Using an Interpretable Deep Learning Model and Topâ€ofâ€theâ€Atmosphere Reflectance Data From Chinaâ€™s New Generation Geostationary Meteorological Satellite, FYâ€4A. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	13
78	Chromosome Engineering and Physical Mapping of the Thinopyrum ponticum Translocation in Wheat Carrying the Rust Resistance Gene Sr26. Crop Science, 2015, 55, 648-657.	1.8	12
79	Processing and quality control of FY-3CÂGNOS data used in numerical weather prediction applications. Atmospheric Measurement Techniques, 2019, 12, 2679-2692.	3.1	12
80	Retrieval of Global Carbon Dioxide From TanSat Satellite and Comprehensive Validation With TCCON Measurements and Satellite Observations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	12
81	A novel hyperspectral lunar irradiance model based on ROLO and mean equigonal albedo. Optik, 2017, 142, 657-664.	2.9	11
82	Radianceâ€Based Evaluation of WRF Cloud Properties Over East Asia: Direct Comparison With FYâ€2E Observations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4613-4629.	3.3	11
83	The Retrieval of Total Precipitable Water over Global Land Based on FY-3D/MWRI Data. Remote Sensing, 2020, 12, 1508.	4.0	11
84	Temperature and Humidity Profiles Retrieval in a Plain Area from Fengyun-3D/HIRAS Sensor Using a 1D-VAR Assimilation Scheme. Remote Sensing, 2020, 12, 435.	4.0	11
85	Radiometric calibration evaluation for RSBs of Suomi-NPP/VIIRS and Aqua/MODIS based on the 2015 Dunhuang Chinese Radiometric Calibration Sitein situmeasurements. International Journal of Remote Sensing, 2017, 38, 5640-5656.	2.9	10
86	The Global Space-based Inter-Calibration System (GSICS). , 2016, , .		9
87	Cascaded group-additivity ONIOM: A new method to approach CCSD(T)/CBS energies of large aliphatic hydrocarbons. Combustion and Flame, 2019, 201, 31-43.	5.2	9
88	Radiometric Cross-Calibration for Multiple Sensors with the Moon as an Intermediate Reference. Journal of Meteorological Research, 2019, 33, 925-933.	2.4	8
89	A New Geolocation Error Estimation Method in MWRI Data Aboard FY3 Series Satellites. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 197-201.	3.1	8
90	Preliminary Selection and Characterization of Pseudo-Invariant Calibration Sites in Northwest China. Remote Sensing, 2020, 12, 2517.	4.0	8

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91	Aerosols Direct Radiative Effects Combined Ground-Based Lidar and Sun-Photometer Observations: Cases Comparison between Haze and Dust Events in Beijing. Remote Sensing, 2022, 14, 266.	4.0	8
92	In-flight intercalibration of FY-3C visible channels with AQUA MODIS. , 2014, , .		7
93	Ground-based Observation System Development for the Moon Hyper-spectral Imaging. Publications of the Astronomical Society of the Pacific, 2017, 129, 055002.	3.1	7
94	Knockdown of survivin results in inhibition of epithelial to mesenchymal transition in retinal pigment epithelial cells by attenuating the TGFÎ² pathway. Biochemical and Biophysical Research Communications, 2018, 498, 573-578.	2.1	7
95	ATD: a comprehensive bioinformatics resource for deciphering the association of autophagy and diseases. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	7
96	Gab2 Ablation Reverses the Stemness of HER2-Overexpressing Breast Cancer Cells. Cellular Physiology and Biochemistry, 2018, 50, 52-65.	1.6	7
97	Efficient region-based test strategy uncovers genetic risk factors for functional outcome in bipolar disorder. European Neuropsychopharmacology, 2019, 29, 156-170.	0.7	7
98	A low-light radiative transfer model for satellite observations of moonlight and earth surface light at night. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 247, 106954.	2.3	7
99	An accurate and efficient radiative transfer model for simulating all-sky images from Fengyun satellite radiometers. Science China Earth Sciences, 2020, 63, 1701-1713.	5.2	7
100	High temporal and spatial resolution PM2.5 dataset acquisition and pollution assessment based on FY-4A TOAR data and deep forest model in China. Atmospheric Research, 2022, 274, 106199.	4.1	7
101	FY-3C/VIRR SST algorithm and cal/val activities at NSMC/CMA. Proceedings of SPIE, 2014, , .	0.8	6
102	Interactions of human embryonic stem cellâ€derived cardiovascular progenitor cells with immobilized extracellular matrix proteins. Journal of Biomedical Materials Research - Part A, 2017, 105, 1094-1104.	4.0	6
103	A model for accurately calculating hyper-spectral, middle-shortwave infrared radiative transfer for remote sensing. Science China Earth Sciences, 2018, 61, 317-326.	5.2	6
104	HIRAS noise performance improvement based on principal component analysis. Applied Optics, 2019, 58, 5506.	1.8	6
105	Spatiotemporal Variations of Microwave Land Surface Emissivity (MLSE) over China Derived from Four-Year Recalibrated Fengyun 3B MWRI Data. Advances in Atmospheric Sciences, 2022, 39, 1536-1560.	4.3	6
106	Environmental process and convergence belt of atmospheric NO2 pollution in North China. Journal of Meteorological Research, 2011, 25, 797-811.	1.0	5
107	The retrieval algorithm for a satellite-borne CO2-sounder: Preliminary results in near infrared band. Optik, 2016, 127, 8613-8620.	2.9	5
108	RNAi for contactin 2 inhibits proliferation of U87-glioma stem cells by downregulating AICD, EGFR, and HES1. OncoTargets and Therapy, 2017, Volume 10, 791-801.	2.0	5

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109	Estimation of the Dust Aerosol Shortwave Direct Forcing Over Land Based on an Equiâ€albedo Method From Satellite Measurements. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8793-8807.	3.3	5
110	A fast and accurate vector radiative transfer model for simulating the near-infrared hyperspectral scattering processes in clear atmospheric conditions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 242, 106736.	2.3	5
111	Estimating radiative forcing efficiency of dust aerosol based on direct satellite observations: case studies over the Sahara and Taklimakan Desert. Atmospheric Chemistry and Physics, 2021, 21, 11669-11687.	4.9	5
112	Fast CO2 Retrieval Using a Semi-Physical Statistical Model for the High-Resolution Spectrometer on the Fengyun-3D Satellite. Journal of Meteorological Research, 2022, 36, 374-386.	2.4	5
113	FY-3C/MERSI pre-launch calibration for reflective solar bands. , 2014, , .		4
114	Jacobian matrix for near-infrared remote sensing based on vector radiative transfer model. Science China Earth Sciences, 2020, 63, 1353-1365.	5.2	4
115	Comparison of the Lunar Models Using the Hyper-Spectral Imager Observations in Lijiang, China. Remote Sensing, 2020, 12, 1878.	4.0	4
116	Geolocation Error Estimation and Correction on Long-Term MWRI Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9448-9461.	6.3	4
117	Can the Earthâ€“Moon Distance Influence the Accuracy of Lunar Irradiance with the Plane-Parallel Assumption in Atmospheric Radiative Transfer at Night?. Journals of the Atmospheric Sciences, 2021, 78, 2459-2469.	1.7	4
118	Far-ultraviolet airglow remote sensing measurements on Feng Yun 3-D meteorological satellite. Atmospheric Measurement Techniques, 2022, 15, 1577-1586.	3.1	4
119	Assessing Overlapping Cloud Top Heights: An Extrapolation Method and Its Performance. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	4
120	A study on height reassignment for the AMV products of the FY-2C satellite. Journal of Meteorological Research, 2012, 26, 614-628.	1.0	3
121	Performance assessment of FY-3C/MERSI on early orbit. Proceedings of SPIE, 2014, , .	0.8	3
122	Comparison of atmospheric carbon dioxide concentration based on GOSAT and OCO-2 observations. , 2016, , .		3
123	Authentication and Usability in mHealth Apps. , 2018, , .		3
124	Effects of CO2 Changes on Hyperspectral Infrared Radiances and Its Implications on Atmospheric Temperature Profile Retrieval and Data Assimilation in NWP. Remote Sensing, 2020, 12, 2401.	4.0	3
125	Dynamic Channel Selection of Microwave Temperature Sounding Channels under Cloudy Conditions. Remote Sensing, 2020, 12, 403.	4.0	3
126	The First Fengyun Satellite International User Conference. Advances in Atmospheric Sciences, 2020, 38, 1429.	4.3	3

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127	Main Characteristics and Primary Applications of Polar-orbiting Satellite FY-3A. Geo-information Science, 2010, 12, 458-465.	0.1	3
128	The Chinese meteorological satellite and applications. , 2016, , .		2
129	Sensitivity analysis of an XCO2 retrieval algorithm for high-resolution short-wave infrared spectra. Optik, 2020, 209, 164502.	2.9	2
130	Wide-field aurora imager onboard Fengyun satellite: Data products and validation. Earth and Planetary Physics, 2021, 5, 1-6.	1.1	2
131	Quality Scoring of the Fengyun 4A Clear Sky Radiance Product. Remote Sensing, 2021, 13, 3658.	4.0	2
132	CO₂ column-retrieval errors arising from neglecting polarization in forward modeling of 1.6 μm band measurements. Chinese Science Bulletin, 2018, 63, 766-776.	0.7	2
133	Assimilation of FY-3D MWTS-II Radiance with 3D Precipitation Detection and the Impacts on Typhoon Forecasts. Advances in Atmospheric Sciences, 0, , 1.	4.3	2
134	Retrieval of Soil Moisture from FengYun-3D Microwave Radiation Imager Operational and Recalibrated Data Using Random Forest Regression. Atmosphere, 2022, 13, 637.	2.3	2
135	Study of hyperspectral IR atmospheric sounding with an accurate forward model. , 2005, 5655, 154.		1
136	Assessment on aerosol direct radiative forcing over China land areas based on satellite data. , 2010, , .		1
137	Simultaneous retrieval of the optical thickness and altitude of mineral dust with FY-3/VIRR infrared observation. , 2012, , .		1
138	Investigation and validation of a dust data fusion method based on monitoring data from geostationary and polar-orbiting satellites. , 2014, , .		1
139	Analysis of aerosol properties derived from sun photometer and lidar over Dunhuang radiometric calibration site. Proceedings of SPIE, 2016, , .	0.8	1
140	In-Flight Spectral Response Function Retrieval of a Multispectral Radiometer Based on the Functional Data Analysis Technique. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	1
141	Preface to the Special Issue on Fengyun Meteorological Satellites: Data, Application and Assessment. Advances in Atmospheric Sciences, 2021, 38, 1265-1266.	4.3	1
142	Solar Contamination on HIRAS Cold Calibration View and the Corrected Radiance Assessment. Remote Sensing, 2021, 13, 3869.	4.0	1
143	Errors in height assignment for atmospheric motion vectors of FY-2C. Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 2012, 31, 73-79.	0.2	1
144	Assimilating FY-3A VASS data into Chinese 3Dvar assimilation system (Grapes 3Dvar). , 2009, , .		0

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145	Second-Generation Polar-Orbiting Meteorological Satellites of China: The Fengyun 3 Series and Its Applications in Global Monitoring. , 2013, , 45-65.		0
146	ATOVS microwave sounding observation cycling assimilation on a tropical cyclone case in 2012. Proceedings of SPIE, 2014, , .	0.8	0
147	Remote sensing of clouds and evaluation with a 220GHz radar. , 2014, , .		0
148	Regression modeling of finite field and anti-electromagnetic design for the ocean surface wind speed measurements of the FY-3C microwave imager. , 2014, , .		0
149	Sensitivity study of Infrared Difference Dust Index by using MODTRAN. , 2016, , .		0
150	XCO2 satellite retrieval experiments in short-wave and infrared spectra with SCIATRAN model for Sahara Desert. Science China Earth Sciences, 2016, 59, 2252-2259.	5.2	0
151	A method and its retrieval application for collocating the FY-3 microwave and VIS/IR data. Chinese Science Bulletin, 2016, 61, 2939-2951.	0.7	0
152	Experimental verification of self-calibration radiometer based on spontaneous parametric downconversion. , 2018, , .		0
153	Study on the Ground-Based FTS Measurements at Beijing, China and the Colocation Sensitivity of Satellite Data. Atmosphere, 2021, 12, 1586.	2.3	0