

Peng Zhang

List of Publications by Year in descending order

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153
papers

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117625

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docs citations

162
times ranked

5493
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	FY-3E: The First Operational Meteorological Satellite Mission in an Early Morning Orbit. Advances in Atmospheric Sciences, 2022, 39, 1-8.	4.3	74
4	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
5	FY3E GNOS II GNSS Reflectometry: Mission Review and First Results. Remote Sensing, 2022, 14, 988.	4.0	25
6	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
7	Far-ultraviolet airglow remote sensing measurements on Feng Yun 3-D meteorological satellite. Atmospheric Measurement Techniques, 2022, 15, 1577-1586.	3.1	4
8	Characteristics of solar-irradiance spectra from measurements, modeling, and theoretical approach. Light: Science and Applications, 2022, 11, 79.	16.6	21
9	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
10	Estimation of Atmospheric PM ₁₀ Concentration in China Using an Interpretable Deep Learning Model and Top-of-the-Atmosphere Reflectance Data From China's New Generation Geostationary Meteorological Satellite, FY-4A. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	13
11	High temporal and spatial resolution PM _{2.5} 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
12	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
13	Fast CO ₂ 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
14	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
15	Scattering and absorbing aerosols in the climate system. Nature Reviews Earth & Environment, 2022, 3, 363-379.	29.7	93
16	Wide-field aurora imager onboard Fengyun satellite: Data products and validation. Earth and Planetary Physics, 2021, 5, 1-6.	1.1	2
17	Geolocation Error Estimation and Correction on Long-Term MWRI Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9448-9461.	6.3	4
18	Fengyun Meteorological Satellite Products for Earth System Science Applications. Advances in Atmospheric Sciences, 2021, 38, 1267-1284.	4.3	41

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19	Can the Earth's Moon Distance Influence the Accuracy of Lunar Irradiance with the Plane-Parallel Assumption in Atmospheric Radiative Transfer at Night?. <i>Journals of the Atmospheric Sciences</i> , 2021, 78, 2459-2469.	1.7	4
20	Preface to the Special Issue on Fengyun Meteorological Satellites: Data, Application and Assessment. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 1265-1266.	4.3	1
21	Estimating radiative forcing efficiency of dust aerosol based on direct satellite observations: case studies over the Sahara and Taklimakan Desert. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11669-11687.	4.9	5
22	Solar Contamination on HIRAS Cold Calibration View and the Corrected Radiance Assessment. <i>Remote Sensing</i> , 2021, 13, 3869.	4.0	1
23	Quality Scoring of the Fengyun 4A Clear Sky Radiance Product. <i>Remote Sensing</i> , 2021, 13, 3658.	4.0	2
24	Satellite Retrieval of Microwave Land Surface Emissivity under Clear and Cloudy Skies in China Using Observations from AMSR-E and MODIS. <i>Remote Sensing</i> , 2021, 13, 3980.	4.0	14
25	Study on the Ground-Based FTS Measurements at Beijing, China and the Colocation Sensitivity of Satellite Data. <i>Atmosphere</i> , 2021, 12, 1586.	2.3	0
26	A New Geolocation Error Estimation Method in MWRI Data Aboard FY3 Series Satellites. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 197-201.	3.1	8
27	A fast and accurate vector radiative transfer model for simulating the near-infrared hyperspectral scattering processes in clear atmospheric conditions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 242, 106736.	2.3	5
28	Development of the Chinese Space-Based Radiometric Benchmark Mission LIBRA. <i>Remote Sensing</i> , 2020, 12, 2179.	4.0	17
29	Carbon Dioxide Retrieval from TanSat Observations and Validation with TCCON Measurements. <i>Remote Sensing</i> , 2020, 12, 2204.	4.0	19
30	Preliminary Selection and Characterization of Pseudo-Invariant Calibration Sites in Northwest China. <i>Remote Sensing</i> , 2020, 12, 2517.	4.0	8
31	FY-3D MERSI On-Orbit Radiometric Calibration from the Lunar View. <i>Sensors</i> , 2020, 20, 4690.	3.8	16
32	Effects of CO2 Changes on Hyperspectral Infrared Radiances and Its Implications on Atmospheric Temperature Profile Retrieval and Data Assimilation in NWP. <i>Remote Sensing</i> , 2020, 12, 2401.	4.0	3
33	Jacobian matrix for near-infrared remote sensing based on vector radiative transfer model. <i>Science China Earth Sciences</i> , 2020, 63, 1353-1365.	5.2	4
34	Aerosol data assimilation using data from Fengyun-4A, a next-generation geostationary meteorological satellite. <i>Atmospheric Environment</i> , 2020, 237, 117695.	4.1	14
35	FY-3D HIRAS Radiometric Calibration and Accuracy Assessment. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 3965-3976.	6.3	22
36	The Retrieval of Total Precipitable Water over Global Land Based on FY-3D/MWRI Data. <i>Remote Sensing</i> , 2020, 12, 1508.	4.0	11

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37	A low-light radiative transfer model for satellite observations of moonlight and earth surface light at night. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 247, 106954.	2.3	7
38	Temperature and Humidity Profiles Retrieval in a Plain Area from Fengyun-3D/HIRAS Sensor Using a 1D-VAR Assimilation Scheme. <i>Remote Sensing</i> , 2020, 12, 435.	4.0	11
39	Comparison of the Lunar Models Using the Hyper-Spectral Imager Observations in Lijiang, China. <i>Remote Sensing</i> , 2020, 12, 1878.	4.0	4
40	An accurate and efficient radiative transfer model for simulating all-sky images from Fengyun satellite radiometers. <i>Science China Earth Sciences</i> , 2020, 63, 1701-1713.	5.2	7
41	Dynamic Channel Selection of Microwave Temperature Sounding Channels under Cloudy Conditions. <i>Remote Sensing</i> , 2020, 12, 403.	4.0	3
42	High Spectral Infrared Atmospheric Sounder (HIRAS): System Overview and On-Orbit Performance Assessment. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 4335-4352.	6.3	20
43	Sensitivity analysis of an XCO ₂ retrieval algorithm for high-resolution short-wave infrared spectra. <i>Optik</i> , 2020, 209, 164502.	2.9	2
44	The First Fengyun Satellite International User Conference. <i>Advances in Atmospheric Sciences</i> , 2020, 38, 1429.	4.3	3
45	Ultrasmall MoO _x Clusters as a Novel Cocatalyst for Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2019, 31, e1804883.	21.0	222
46	Estimation of the Dust Aerosol Shortwave Direct Forcing Over Land Based on an Equiangular Albedo Method From Satellite Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8793-8807.	3.3	5
47	Latest Progress of the Chinese Meteorological Satellite Program and Core Data Processing Technologies. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 1027-1045.	4.3	106
48	Radiometric Cross-Calibration for Multiple Sensors with the Moon as an Intermediate Reference. <i>Journal of Meteorological Research</i> , 2019, 33, 925-933.	2.4	8
49	Wide-field auroral imager onboard the Fengyun satellite. <i>Light: Science and Applications</i> , 2019, 8, 47.	16.6	35
50	General Comparison of FY-4A/AGRI With Other GEO/LEO Instruments and Its Potential and Challenges in Non-meteorological Applications. <i>Frontiers in Earth Science</i> , 2019, 6, .	1.8	49
51	Processing and quality control of FY-3C/CNOS data used in numerical weather prediction applications. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2679-2692.	3.1	12
52	Hourly Aerosol Assimilation of Himawari-8 AOT Using the Four-Dimensional Local Ensemble Transform Kalman Filter. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 680-711.	3.8	36
53	Review of Chinese atmospheric science research over the past 70 years: Atmospheric physics and atmospheric environment. <i>Science China Earth Sciences</i> , 2019, 62, 1903-1945.	5.2	18
54	Effects of NO ₂ and C ₃ H ₆ on the heterogeneous oxidation of SO ₂ on TiO ₂ in the presence or absence of UV-Vis irradiation. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 14777-14790.	4.9	21

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55	Capability of Fengyun-3D Satellite in Earth System Observation. <i>Journal of Meteorological Research</i> , 2019, 33, 1113-1130.	2.4	46
56	Modulation the electronic property of 2D monolayer MoS2 by amino acid. <i>Applied Materials Today</i> , 2019, 14, 151-158.	4.3	61
57	Cascaded group-additivity ONIOM: A new method to approach CCSD(T)/CBS energies of large aliphatic hydrocarbons. <i>Combustion and Flame</i> , 2019, 201, 31-43.	5.2	9
58	Circular RNA hsa_circ_0000263 participates in cervical cancer development by regulating target gene of miR-150-5p. <i>Journal of Cellular Physiology</i> , 2019, 234, 11391-11400.	4.1	74
59	Gasdermin D serves as a key executioner of pyroptosis in experimental cerebral ischemia and reperfusion model both in vivo and in vitro. <i>Journal of Neuroscience Research</i> , 2019, 97, 645-660.	2.9	115
60	Catalytic effect of in situ formed nano-Mg ₂ Ni and Mg ₂ Cu on the hydrogen storage properties of Mg-Y hydride composites. <i>Journal of Alloys and Compounds</i> , 2019, 782, 242-250.	5.5	49
61	Improved stability of perovskite solar cells with enhanced moisture-resistant hole transport layers. <i>Electrochimica Acta</i> , 2019, 296, 508-516.	5.2	17
62	Efficient region-based test strategy uncovers genetic risk factors for functional outcome in bipolar disorder. <i>European Neuropsychopharmacology</i> , 2019, 29, 156-170.	0.7	7
63	HIRAS noise performance improvement based on principal component analysis. <i>Applied Optics</i> , 2019, 58, 5506.	1.8	6
64	Knockdown of survivin results in inhibition of epithelial to mesenchymal transition in retinal pigment epithelial cells by attenuating the TGF β ² pathway. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 573-578.	2.1	7
65	A model for accurately calculating hyper-spectral, middle-shortwave infrared radiative transfer for remote sensing. <i>Science China Earth Sciences</i> , 2018, 61, 317-326.	5.2	6
66	Long noncoding RNA DANCR is activated by SALL4 and promotes the proliferation and invasion of gastric cancer cells. <i>Oncotarget</i> , 2018, 9, 1915-1930.	1.8	68
67	Metabonomic study of the protective effect of Fukeqianjin formula on multi-pathogen induced pelvic inflammatory disease in rats. <i>Chinese Medicine</i> , 2018, 13, 61.	4.0	17
68	Iron oxide nanoparticles as nanocarriers to improve chlorin e6-based sonosensitivity in sonodynamic therapy. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 4207-4216.	4.3	30
69	Antifungal Prenylated Diphenyl Ethers from <i>Arthrinium arundinis</i> , an Endophytic Fungus Isolated from the Leaves of Tobacco (<i>Nicotiana tabacum</i> L.). <i>Molecules</i> , 2018, 23, 3179.	3.8	25
70	Benzophenone Derivatives from an Algal-Endophytic Isolate of <i>Penicillium chrysogenum</i> and Their Cytotoxicity. <i>Molecules</i> , 2018, 23, 3378.	3.8	15
71	Authentication and Usability in mHealth Apps. , 2018, , .		3
72	ATD: a comprehensive bioinformatics resource for deciphering the association of autophagy and diseases. <i>Database: the Journal of Biological Databases and Curation</i> , 2018, 2018, .	3.0	7

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73	SALL4 activates TGF- β /SMAD signaling pathway to induce EMT and promote gastric cancer metastasis. <i>Cancer Management and Research</i> , 2018, Volume 10, 4459-4470.	1.9	63
74	Gab2 Ablation Reverses the Stemness of HER2-Overexpressing Breast Cancer Cells. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 52-65.	1.6	7
75	Selected Phytoestrogens Distinguish Roles of ER α Transactivation and Ligand Binding for Anti-Inflammatory Activity. <i>Endocrinology</i> , 2018, 159, 3351-3364.	2.8	14
76	Radiance-Based Evaluation of WRF Cloud Properties Over East Asia: Direct Comparison With FY-2E Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4613-4629.	3.3	11
77	PopViz: a webserver for visualizing minor allele frequencies and damage prediction scores of human genetic variations. <i>Bioinformatics</i> , 2018, 34, 4307-4309.	4.1	55
78	Prelaunch Calibration and Radiometric Performance of the Advanced MERSI II on FengYun-3D. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 4866-4875.	6.3	40
79	Global Atmospheric CO ₂ Concentrations Simulated by GEOS-Chem: Comparison with GOSAT, Carbon Tracker and Ground-Based Measurements. <i>Atmosphere</i> , 2018, 9, 175.	2.3	13
80	A novel glycosyltransferase catalyses the transfer of glucose to glucosylated anthocyanins in purple sweet potato. <i>Journal of Experimental Botany</i> , 2018, 69, 5444-5459.	4.8	26
81	Impacts of meteorological nudging on the global dust cycle simulated by NICAM coupled with an aerosol model. <i>Atmospheric Environment</i> , 2018, 190, 99-115.	4.1	26
82	Satellite-Based Atmospheric Infrared Sounder Development and Applications. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 583-603.	3.3	124
83	CO ₂ column-retrieval errors arising from neglecting polarization in forward modeling of 1.6 μ m band measurements. <i>Chinese Science Bulletin</i> , 2018, 63, 766-776.	0.7	2
84	Experimental verification of self-calibration radiometer based on spontaneous parametric downconversion. , 2018, , .		0
85	Interactions of human embryonic stem cell-derived cardiovascular progenitor cells with immobilized extracellular matrix proteins. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1094-1104.	4.0	6
86	Human umbilical cord mesenchymal stem cells alleviate inflammatory bowel disease through the regulation of 15-LOX-1 in macrophages. <i>Biotechnology Letters</i> , 2017, 39, 929-938.	2.2	32
87	Ground-based Observation System Development for the Moon Hyper-spectral Imaging. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 055002.	3.1	7
88	An investigation of the implications of lunar illumination spectral changes for Day/Night Band-based cloud property retrieval due to lunar phase transition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9233-9244.	3.3	14
89	A novel hyperspectral lunar irradiance model based on ROLO and mean equigonal albedo. <i>Optik</i> , 2017, 142, 657-664.	2.9	11
90	PRDX2 in Myocyte Hypertrophy and Survival is Mediated by TLR4 in Acute Infarcted Myocardium. <i>Scientific Reports</i> , 2017, 7, 6970.	3.3	19

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91	Radiometric calibration evaluation for RSBs of Suomi-NPP/VIIRS and Aqua/MODIS based on the 2015 Dunhuang Chinese Radiometric Calibration Site <i>in situ</i> measurements. <i>International Journal of Remote Sensing</i> , 2017, 38, 5640-5656.	2.9	10
92	Interaction with neutrophils promotes gastric cancer cell migration and invasion by inducing epithelial-mesenchymal transition. <i>Oncology Reports</i> , 2017, 38, 2959-2966.	2.6	57
93	RNAi for contactin 2 inhibits proliferation of U87-glioma stem cells by downregulating AICD, EGFR, and HES1. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 791-801.	2.0	5
94	Integrated Analysis of Dust Transport and Budget in a Severe Asian Dust Event. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2390-2400.	2.1	16
95	Preliminary validation of the refractivity from the new radio occultation sounder GNOS/FY-3C. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 781-792.	3.1	30
96	Sensitivity study of Infrared Difference Dust Index by using MODTRAN. , 2016, , .		0
97	The Global Space-based Inter-Calibration System (GSICS). , 2016, , .		9
98	The Chinese meteorological satellite and applications. , 2016, , .		2
99	The retrieval algorithm for a satellite-borne CO ₂ -sounder: Preliminary results in near infrared band. <i>Optik</i> , 2016, 127, 8613-8620.	2.9	5
100	On-Orbit Spatial Quality Evaluation and Image Restoration of FengYun-3C/MERSI. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 6847-6858.	6.3	14
101	XCO ₂ satellite retrieval experiments in short-wave and infrared spectra with SCIATRAN model for Sahara Desert. <i>Science China Earth Sciences</i> , 2016, 59, 2252-2259.	5.2	0
102	Comparison of atmospheric carbon dioxide concentration based on GOSAT and OCO-2 observations. , 2016, , .		3
103	Genome-wide association study of 40,000 individuals identifies two novel loci associated with bipolar disorder. <i>Human Molecular Genetics</i> , 2016, 25, 3383-3394.	2.9	182
104	Analysis of aerosol properties derived from sun photometer and lidar over Dunhuang radiometric calibration site. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
105	A method and its retrieval application for collocating the FY-3 microwave and VIS/IR data. <i>Chinese Science Bulletin</i> , 2016, 61, 2939-2951.	0.7	0
106	Chromosome Engineering and Physical Mapping of the <i>Thinopyrum ponticum</i> Translocation in Wheat Carrying the Rust Resistance Gene <i>Sr26</i> . <i>Crop Science</i> , 2015, 55, 648-657.	1.8	12
107	Nuclear-localized AtHSPR links abscisic acid-dependent salt tolerance and antioxidant defense in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2015, 84, 1274-1294.	5.7	51
108	Extracellular protein analysis of activated sludge and their functions in wastewater treatment plant by shotgun proteomics. <i>Scientific Reports</i> , 2015, 5, 12041.	3.3	43

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109	Clustered Distribution of Natural Product Leads of Drugs in the Chemical Space as Influenced by the Privileged Target-Sites. <i>Scientific Reports</i> , 2015, 5, 9325.	3.3	20
110	SnO ₂ -core carbon-shell composite nanotubes with enhanced photocurrent and photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 193-201.	20.2	15
111	An introduction to the FY3 GNOS instrument and mountain-top tests. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1817-1823.	3.1	48
112	An overview of passive and active dust detection methods using satellite measurements. <i>Journal of Meteorological Research</i> , 2014, 28, 1029-1040.	2.4	21
113	FY-3C/VIRR SST algorithm and cal/val activities at NSMC/CMA. <i>Proceedings of SPIE</i> , 2014, , .	0.8	6
114	Performance assessment of FY-3C/MERSI on early orbit. <i>Proceedings of SPIE</i> , 2014, , .	0.8	3
115	FY-3C/MERSI pre-launch calibration for reflective solar bands. , 2014, , .		4
116	In-flight intercalibration of FY-3C visible channels with AQUA MODIS. , 2014, , .		7
117	ATOVS microwave sounding observation cycling assimilation on a tropical cyclone case in 2012. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
118	Investigation and validation of a dust data fusion method based on monitoring data from geostationary and polar-orbiting satellites. , 2014, , .		1
119	Remote sensing of clouds and evaluation with a 220GHz radar. , 2014, , .		0
120	Assessment and Correction of on-Orbit Radiometric Calibration for FY-3 VIRR Thermal Infrared Channels. <i>Remote Sensing</i> , 2014, 6, 2884-2897.	4.0	34
121	Regression modeling of finite field and anti-electromagnetic design for the ocean surface wind speed measurements of the FY-3C microwave imager. , 2014, , .		0
122	Long-Term Monitoring and Correction of FY-2 Infrared Channel Calibration Using AIRS and IASI. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 5008-5018.	6.3	18
123	Comparison of atmospheric CO ₂ observed by GOSAT and two ground stations in China. <i>International Journal of Remote Sensing</i> , 2013, 34, 3938-3946.	2.9	26
124	Second-Generation Polar-Orbiting Meteorological Satellites of China: The Fengyun 3 Series and Its Applications in Global Monitoring. , 2013, , 45-65.		0
125	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). <i>Remote Sensing</i> , 2013, 5, 6958-6975.	4.0	34
126	Applications of Full Spatial Resolution Space-Based Advanced Infrared Soundings in the Preconvection Environment. <i>Weather and Forecasting</i> , 2012, 27, 515-524.	1.4	31

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127	Improvements on global meteorological observations from the current Fengyun 3 satellites and beyond. <i>International Journal of Digital Earth</i> , 2012, 5, 251-265.	3.9	83
128	Simultaneous retrieval of the optical thickness and altitude of mineral dust with FY-3/VIRR infrared observation. , 2012, , .		1
129	A study on height reassignment for the AMV products of the FY-2C satellite. <i>Journal of Meteorological Research</i> , 2012, 26, 614-628.	1.0	3
130	Spatiotemporal variations of tropospheric SO ₂ over China by SCIAMACHY observations during 2004-2009. <i>Atmospheric Environment</i> , 2012, 46, 238-246.	4.1	30
131	Asian dust height and infrared optical depth retrievals over land from hyperspectral longwave infrared radiances. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
132	Overview of FY-3 Payload and Ground Application System. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 4846-4853.	6.3	58
133	Oxygen vacancy-induced ferromagnetism in un-doped ZnO thin films. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	125
134	An introduction to China FY3 radio occultation mission and its measurement simulation. <i>Advances in Space Research</i> , 2012, 49, 1191-1197.	2.6	39
135	Errors in height assignment for atmospheric motion vectors of FY-2C. Hongwai Yu Haomibo Xuebao/ <i>Journal of Infrared and Millimeter Waves</i> , 2012, 31, 73-79.	0.2	1
136	Environmental process and convergence belt of atmospheric NO ₂ pollution in North China. <i>Journal of Meteorological Research</i> , 2011, 25, 797-811.	1.0	5
137	Direct radiative forcing of anthropogenic aerosols over oceans from satellite observations. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 973-984.	4.3	18
138	Spatiotemporal variations in mid-upper tropospheric methane over China from satellite observations. <i>Science Bulletin</i> , 2011, 56, 3321.	1.7	21
139	Monitoring the 2008 cold surge and frozen disasters snowstorm in South China based on regional ATOVS data assimilation. <i>Science China Earth Sciences</i> , 2010, 53, 1216-1228.	5.2	15
140	Temporal and spatial distribution of tropospheric CO ₂ over China based on satellite observations. <i>Science Bulletin</i> , 2010, 55, 3612-3618.	1.7	26
141	Assessment on aerosol direct radiative forcing over China land areas based on satellite data. , 2010, , .		1
142	Main Characteristics and Primary Applications of Polar-orbiting Satellite FY-3A. <i>Geo-information Science</i> , 2010, 12, 458-465.	0.1	3
143	Assimilating FY-3A VASS data into Chinese 3Dvar assimilation system (Grapes 3Dvar). , 2009, , .		0
144	An Overview of a New Chinese Weather Satellite FY-3A. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1531-1544.	3.3	145

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145	General introduction on payloads, ground segment and data application of Fengyun 3A. <i>Frontiers of Earth Science</i> , 2009, 3, 367-373.	0.5	54
146	Magnetic resonance imaging-based finite element stress analysis after linear repair of left ventricular aneurysm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 135, 1094-1102.e2.	0.8	68
147	Characterization of aerosol over the Northern South China Sea during two cruises in 2003. <i>Atmospheric Environment</i> , 2007, 41, 7821-7836.	4.1	47
148	The trend, seasonal cycle, and sources of tropospheric NO ₂ over China during 1997-2006 based on satellite measurement. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1877-1884.	0.9	70
149	Heterogeneous Reactions of Sulfur Dioxide on Typical Mineral Particles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12588-12596.	2.6	129
150	Identification and physical retrieval of dust storm using three MODIS thermal IR channels. <i>Global and Planetary Change</i> , 2006, 52, 197-206.	3.5	98
151	Impact of point spread function on infrared radiances from geostationary Satellites. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006, 44, 2176-2183.	6.3	19
152	Study of hyperspectral IR atmospheric sounding with an accurate forward model. , 2005, 5655, 154.		1
153	Assimilation of FY-3D MWTS-II Radiance with 3D Precipitation Detection and the Impacts on Typhoon Forecasts. <i>Advances in Atmospheric Sciences</i> , 0, , 1.	4.3	2