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List of Publications by Year in descending order

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56
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331670

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57
all docs

57
docs citations

57
times ranked

1645
citing authors

#	ARTICLE	IF	CITATIONS
1	DCNet: A Deformable Convolutional Cloud Detection Network for Remote Sensing Imagery. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	8
2	Effects of Linear Calibration Errors at Low-Temperature End of Thermal Infrared Band: Lesson From Failures in Cloud Top Property Retrieval of FengYun-4A Geostationary Satellite. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	4
3	Characteristics of Pre-summer Daytime Cloud Regimes over Coastal South China from the Himawari-8 Satellite. Advances in Atmospheric Sciences, 2022, 39, 2008-2023.	4.3	6
4	Nonnegligible Diurnal and Long-Term Variation Characteristics of the Calibration Biases in Fengyun-4A/AGRI Infrared Channels Based on the Oceanic Drifter Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	2
5	Diurnal variations of cloud optical properties during day-time over China based on Himawari-8 satellite retrievals. Atmospheric Environment, 2022, 277, 119065.	4.1	5
6	Estimate of daytime single-layer cloud base height from advanced baseline imager measurements. Remote Sensing of Environment, 2022, 274, 112970.	11.0	13
7	A Dataset of Overshooting Cloud Top from 12-Year CloudSat/CALIOP Joint Observations. Remote Sensing, 2022, 14, 2417.	4.0	3
8	Can the Earth's 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
9	Deep Learning-Based Radar Composite Reflectivity Factor Estimations from Fengyun-4A Geostationary Satellite Observations. Remote Sensing, 2021, 13, 2229.	4.0	11
10	Retrieval of cloud top properties from advanced geostationary satellite imager measurements based on machine learning algorithms. Remote Sensing of Environment, 2020, 239, 111616.	11.0	64
11	Information Content of Ice Cloud Properties from Multi-Spectral, -Angle and -Polarization Observations. Remote Sensing, 2020, 12, 2548.	4.0	3
12	Comparison of Cloud Top Property Retrievals From Advanced Himawari Imager, MODIS, CloudSat/CPR, CALIPSO/CALIOP, and Radiosonde. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032683.	3.3	19
13	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
14	Studying Soil Moisture and Temperature on the Tibetan Plateau: Initial Results of an Integrated, Multiscale Observatory. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 18-36.	9.6	3
15	Best Water Vapor Information Layer of Himawari-8-Based Water Vapor Bands over East Asia. Sensors, 2020, 20, 2394.	3.8	5
16	Intercomparisons of Cloud Mask Products Among Fengyun-4A, Himawari-8, and MODIS. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8827-8839.	6.3	58
17	Latest Progress of the Chinese Meteorological Satellite Program and Core Data Processing Technologies. Advances in Atmospheric Sciences, 2019, 36, 1027-1045.	4.3	106
18	Comparison of Cloud Properties from Himawari-8 and FengYun-4A Geostationary Satellite Radiometers with MODIS Cloud Retrievals. Remote Sensing, 2019, 11, 1703.	4.0	38

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19	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
20	An Operational Precipitable Water Vapor Retrieval Algorithm for Fengyun-2F/VLSSR Using a Modified Three-Band Physical Split-Window Method. <i>Journal of Meteorological Research</i> , 2019, 33, 276-288.	2.4	11
21	The Radiance Differences between Wavelength and Wavenumber Spaces in Convolution Hyperspectral Infrared Sounder Spectrum to Broadband for Intercomparison. <i>Remote Sensing</i> , 2019, 11, 1177.	4.0	4
22	A multilayer cloud detection algorithm for the Suomi-NPP Visible Infrared Imager Radiometer Suite (VIIRS). <i>Remote Sensing of Environment</i> , 2019, 227, 1-11.	11.0	22
23	Estimation of Forest Canopy Height in Hilly Areas Using Lidar Waveform Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 1559-1571.	4.9	9
24	Local Severe Storm Tracking and Warning in Pre-Convection Stage from the New Generation Geostationary Weather Satellite Measurements. <i>Remote Sensing</i> , 2019, 11, 383.	4.0	20
25	Mesoscale Convective Systems in the Asian Monsoon Region From Advanced Himawari Imager: Algorithms and Preliminary Results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2210-2234.	3.3	57
26	Refined Typhoon Geometric Center Derived From a High Spatiotemporal Resolution Geostationary Satellite Imaging System. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 499-503.	3.1	15
27	Convective Initiation Nowcasting Over China From Fengyun-4A Measurements Based on TV-L ₁ Optical Flow and BP_Adaboost Neural Network Algorithms. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4284-4296.	4.9	7
28	Estimating Summertime Precipitation from Himawari-8 and Global Forecast System Based on Machine Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 2557-2570.	6.3	91
29	Selection and Characterization of Glaciers on the Tibetan Plateau as Potential Pseudoinvariant Calibration Sites. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 424-436.	4.9	2
30	The Cloud Top Distribution and Diurnal Variation of Clouds Over East Asia: Preliminary Results From Advanced Himawari Imager. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3724-3739.	3.3	41
31	Extinction effects of atmospheric compositions on return signals of space-based lidar from numerical simulation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 210, 180-188.	2.3	5
32	First Effort for Constructing a Direct Solar Radiation Data Set in China for Solar Energy Applications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1724-1734.	3.3	19
33	Effects and Applications of Satellite Radiometer 2.25- μm Channel on Cloud Property Retrievals. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 5207-5216.	6.3	16
34	Simulating return signals of a spaceborne high-spectral resolution lidar channel at 532 nm. <i>Optics Communications</i> , 2018, 417, 89-96.	2.1	6
35	Aerosol-induced changes in the vertical structure of precipitation: a perspective of TRMM precipitation radar. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13329-13343.	4.9	88
36	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

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37	On-orbit calibration analysis of FY-4A AGRI solar bands. , 2018, , .		3
38	An efficient algorithm for calculating photosynthetically active radiation with MODIS products. Remote Sensing of Environment, 2017, 194, 146-154.	11.0	29
39	Impact of diurnal variability and meteorological factors on the PM2.5 - AOD relationship: Implications for PM2.5 remote sensing. Environmental Pollution, 2017, 221, 94-104.	7.5	178
40	An investigation of the implications of lunar illumination spectral changes for Day/Night Band-based cloud property retrieval due to lunar phase transition. Journal of Geophysical Research D: Atmospheres, 2017, 122, 9233-9244.	3.3	14
41	Trans-Pacific transport of dust aerosols from East Asia: Insights gained from multiple observations and modeling. Environmental Pollution, 2017, 230, 1030-1039.	7.5	111
42	A novel hyperspectral lunar irradiance model based on ROLO and mean equigonal albedo. Optik, 2017, 142, 657-664.	2.9	11
43	Warming effect of dust aerosols modulated by overlapping clouds below. Atmospheric Environment, 2017, 166, 393-402.	4.1	23
44	Developing the science product algorithm testbed for Chinese next-generation geostationary meteorological satellites: Fengyun-4 series. Journal of Meteorological Research, 2017, 31, 708-719.	2.4	114
45	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
46	On the influence of the diurnal variations of aerosol content to estimate direct aerosol radiative forcing using MODIS data. Atmospheric Environment, 2016, 141, 186-196.	4.1	31
47	Multi-sensor quantification of aerosol-induced variability in warm clouds over eastern China. Atmospheric Environment, 2015, 113, 1-9.	4.1	80
48	Characteristics of atmospheric aerosol optical depth variation in China during 1993-2012. Atmospheric Environment, 2015, 119, 82-94.	4.1	38
49	Performance evaluation for on-orbit modulation transfer function of FengYun-3C medium resolution spectral imager (MERSI) using polar ice and snow. Proceedings of SPIE, 2014, , .	0.8	0
50	On the influence of cloud fraction diurnal cycle and sub-grid cloud optical thickness variability on all-sky direct aerosol radiative forcing. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 142, 25-36.	2.3	44
51	A method for monitoring the on-orbit performance of a satellite sensor infrared window band using oceanic drifters. International Journal of Remote Sensing, 2014, 35, 382-400.	2.9	9
52	Development of a 50-year daily surface solar radiation dataset over China. Science China Earth Sciences, 2013, 56, 1555-1565.	5.2	49
53	Field validation of the GLASS land surface broadband emissivity database using pseudo-invariant sand dune sites in northern China. International Journal of Digital Earth, 2013, 6, 96-112.	3.9	14
54	Impacts of HONO sources on the air quality in Beijing, Tianjin and Hebei Province of China. Atmospheric Environment, 2011, 45, 4735-4744.	4.1	63

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55	Cirrus cloud macrophysical and optical properties over North China from CALIOP measurements. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 653-664.	4.3	14
56	Midlatitude cirrus cloud radiative forcing over China. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	25