

Wei Han

List of Publications by Year in descending order

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papers

425
citations

687363

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#	ARTICLE	IF	CITATIONS
1	Geostationary Hyperspectral Infrared Sounder Channel Selection for Capturing Fast-Changing Atmospheric Information. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-10.	6.3	9
2	Satellite All-sky Infrared Radiance Assimilation: Recent Progress and Future Perspectives. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 9-21.	4.3	29
3	A Remapping Technique of FY-3D MWRI Based on a Convolutional Neural Network for the Reduction of Representativeness Error. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-11.	6.3	2
4	Cloud Detection and Classification Algorithms for Himawari-8 Imager Measurements Based on Deep Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-17.	6.3	8
5	Inverse modeling of the 2021 spring super dust storms in East Asia. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 6393-6410.	4.9	16
6	Precipitation retrieval by the L_1 -norm regularization: Typhoon Hagibis case. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 773-785.	2.7	3
7	Using Long-Term Earth Observation Data to Reveal the Factors Contributing to the Early 2020 Desert Locust Upsurge and the Resulting Vegetation Loss. <i>Remote Sensing</i> , 2021, 13, 680.	4.0	13
8	Assimilation of Doppler radar radial wind data in the GRAPES mesoscale model with observation error covariances tuning. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 2087-2102.	2.7	2
9	Why and How Does the Actual Spectral Response Matter for Microwave Radiance Assimilation?. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092306.	4.0	2
10	Four-Dimensional Wind Fields From Geostationary Hyperspectral Infrared Sounder Radiance Measurements With High Temporal Resolution. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093794.	4.0	25
11	Application of a Radar Echo Extrapolation-Based Deep Learning Method in Strong Convection Nowcasting. <i>Earth and Space Science</i> , 2021, 8, e2020EA001621.	2.6	10
12	Impact of High Temporal Resolution FY-4A Geostationary Interferometric Infrared Sounder (GIIRS) Radiance Measurements on Typhoon Forecasts: Maria (2018) Case With GRAPES Global 4DVar Assimilation System. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093672.	4.0	42
13	Vertical Inhomogeneity Effect of Frozen Hydrometeor Habits in All-sky Passive Microwave Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032817.	3.3	3
14	Impact of FY-3D MWRI Radiance Assimilation in GRAPES 4DVar on Forecasts of Typhoon Shanshan. <i>Journal of Meteorological Research</i> , 2020, 34, 836-850.	2.4	18
15	Case Study of a Retrieval Method of 3D Proxy Reflectivity from FY-4A Lightning Data and Its Impact on the Assimilation and Forecasting for Severe Rainfall Storms. <i>Remote Sensing</i> , 2020, 12, 1165.	4.0	20
16	Typhoon Maria Precipitation Retrieval and Evolution Based on the Infrared Brightness Temperature of the Feng-Yun 4A/Advanced Geosynchronous Radiation Imager. <i>Advances in Meteorology</i> , 2020, 2020, 1-12.	1.6	11
17	The evaluation of FY4A's Geostationary Interferometric Infrared Sounder (GIIRS) longwave temperature sounding channels using the GRAPES global 4DVar. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 1459-1476.	2.7	44
18	Using FengYun-3C VSM Data and Multivariate Models to Estimate Land Surface Soil Moisture. <i>Remote Sensing</i> , 2020, 12, 1038.	4.0	6

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19	Efficient radiative transfer model for thermal infrared brightness temperature simulation in cloudy atmospheres. Optics Express, 2020, 28, 25730.	3.4	8
20	Typhoon Cloud System Identification and Forecasting Using the Feng-Yun 4A/Advanced Geosynchronous Radiation Imager Based on an Improved Fuzzy Clustering and Optical Flow Method. Advances in Meteorology, 2019, 2019, 1-11.	1.6	4
21	Dust Emission Inversion Using Himawari's AODs Over East Asia: An Extreme Dust Event in May 2017. Journal of Advances in Modeling Earth Systems, 2019, 11, 446-467.	3.8	18
22	Denoising Algorithm for the FY-4A GIIRS Based on Principal Component Analysis. Remote Sensing, 2019, 11, 2710.	4.0	7
23	Review of Chinese atmospheric science research over the past 70 years: Synoptic meteorology. Science China Earth Sciences, 2019, 62, 1946-1991.	5.2	22
24	Enhancing the Fast Radiative Transfer Model for FengYun's GIIRS by Using Local Training Profiles. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,583.	3.3	34
25	Radiance-Based Evaluation of WRF Cloud Properties Over East Asia: Direct Comparison With FY's Observations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4613-4629.	3.3	11
26	A step forward toward effectively using hyperspectral IR sounding information in NWP. Advances in Atmospheric Sciences, 2017, 34, 1263-1264.	4.3	6
27	The 4D-Var assimilation of ozone-sensitive infrared radiances measured by IASI. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 2025-2037.	2.7	30
28	Adaptive tuning of background error and satellite radiances observation error for operational variational assimilation. , 2007, , .		2
29	Theoretical analyses and numerical experiments of variational assimilation for one-dimensional ocean temperature model with techniques in inverse problems. Science in China Series D: Earth Sciences, 2004, 47, 630-638.	0.9	20