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List of Publications by Year in descending order

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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 | A Machine Learning-based Cloud Detection Algorithm for the Himawari-8 Spectral Image. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 1994-2007. | 4.3 | 21 |
| 3 | The Influence of Sub-footprint Cloudiness on Three-dimensional Horizontal Wind From Geostationary Hyperspectral Infrared Sounder Observations. <i>Geophysical Research Letters</i> , 2022, 49, . | 4.0 | 3 |
| 4 | How Were the Eastward-Moving Heavy Rainfall Events from the Tibetan Plateau to the Lower Reaches of the Yangtze River Enhanced?. <i>Journal of Climate</i> , 2021, 34, 607-620. | 3.2 | 12 |
| 5 | 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 |
| 6 | Can Current Hyperspectral Infrared Sounders Capture the Small Scale Atmospheric Water Vapor Spatial Variations?. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095825. | 4.0 | 5 |
| 7 | Information Content of Ice Cloud Properties from Multi-Spectral, -Angle and -Polarization Observations. <i>Remote Sensing</i> , 2020, 12, 2548. | 4.0 | 3 |
| 8 | 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 |
| 9 | Assessment of Upper Tropospheric Water Vapor Monthly Variation in Reanalyses With Near-global Homogenized 6.5-7.4m Radiances From Geostationary Satellites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032695. | 3.3 | 10 |
| 10 | Evaluation of Environmental Moisture from NWP Models with Measurements from Advanced Geostationary Satellite Imager: A Case Study. <i>Remote Sensing</i> , 2020, 12, 670. | 4.0 | 7 |
| 11 | The evaluation of FY4A's Geostationary Interferometric Infrared Sounder (GIIRS) longwave temperature sounding channels using the GRAPES global 4D-Var. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 1459-1476. | 2.7 | 44 |
| 12 | 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 |
| 13 | Alternate Mapping Correlated k-Distribution Method for Infrared Radiative Transfer Forward Simulation. <i>Remote Sensing</i> , 2019, 11, 994. | 4.0 | 14 |
| 14 | Enhancing the Fast Radiative Transfer Model for FengYun-4 GIIRS by Using Local Training Profiles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,583. | 3.3 | 34 |
| 15 | Geostationary satellite-based 6.7-7.4m band best water vapor information layer analysis over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4600-4613. | 3.3 | 21 |