# Hanyu Shi

List of Publications by Year
in descending order



| 21 | 349 | 1163117<br>8 | 888059<br>17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 22 | 22 | 22 | 501 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Solarâ€induced chlorophyll fluorescence and shortâ€term photosynthetic response to drought. Ecological Applications, 2020, 30, e02101. | 3.8 | 80 |
| 2 | FluoSpec 2â€"An Automated Field Spectroscopy System to Monitor Canopy Solar-Induced Fluorescence. Sensors, 2018, 18, 2063. | 3.8 | 67 |
| 3 | Evaluation of MODIS and two reanalysis aerosol optical depth products over AERONET sites. Atmospheric Research, 2019, 220, 75-80. | 4.1 | 64 |
| 4 | Consistent estimation of multiple parameters from MODIS top of atmosphere reflectance data using a coupled soil-canopy-atmosphere radiative transfer model. Remote Sensing of Environment, 2016, 184, 40-57. | 11.0 | 36 |
| 5 | A Method for Consistent Estimation of Multiple Land Surface Parameters From MODIS Top-of-Atmosphere Time Series Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5158-5173. | 6.3 | 25 |
| 6 | Simultaneous inversion of multiple land surface parameters from MODIS opticalâ€"thermal observations. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 128, 240-254. | 11.1 | 24 |
| 7 | An Optimization Approach for Estimating Multiple Land Surface and Atmospheric Variables From the Geostationary Advanced Himawari Imager Top-of-Atmosphere Observations. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2888-2908. | 6.3 | 16 |
| 8 | Exploration of Machine Learning Techniques in Emulating a Coupled Soilâ€"Canopyâ€"Atmosphere Radiative Transfer Model for Multi-Parameter Estimation From Satellite Observations. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8522-8533. | 6.3 | 8 |
| 9 | A Data Assimilation Method for Simultaneously Estimating the Multiscale Leaf Area Index From Time-Series Multi-Resolution Satellite Observations. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9344-9361. | 6.3 | 6 |
| 10 | The 4SAILT Model: An Improved 4SAIL Canopy Radiative Transfer Model for Sloping Terrain. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5515-5525. | 6.3 | 6 |
| 11 | Consistent retrieval of multiple parameters from GOES-R top of atmosphere reflectance data. International Journal of Remote Sensing, 2020, 41, 7931-7957. | 2.9 | 4 |
| 12 | Diagnosing the Temperature Sensitivity of Ecosystem Respiration in Northern Highâ€Latitude Regions. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG005998. | 3.0 | 3 |
| 13 | Exploring Topographic Effects on Surface Parameters Over Rugged Terrains at Various Spatial Scales. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16. | 6.3 | 3 |
| 14 | An Opticalâ€"Thermal Surfaceâ€"Atmosphere Radiative Transfer Model Coupling Framework With Topographic Effects. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 6.3 | 2 |
| 15 | SIFT: Modeling Solar-Induced Chlorophyll Fluorescence Over Sloping Terrain. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 3.1 | 2 |
| 16 | Updates of the 6S Radiative Transfer Model: A Case Study of 6S+Prosail. , 2019, , . | | 1 |
| 17 | Multiparameter Estimation From Landsat Observations With Topographic Consideration. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7353-7369. | 6.3 | 1 |
| 18 | A Canopy Radiative Transfer Model Considering Leaf Dorsoventrality. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11. | 6.3 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A data assimilation approach for simultaneously estimating a suite of land surface variables from satellite data. , 2017, , . | | 0 |
| 20 | A Method for Estimating Leaf Area Index From Landsat Data Based On Dart Model And Gaussian Process. , 2019, , . | | 0 |
| 21 | A Method for Multi-Parameter Consistent Estimation from Goes-R Top of Atmosphere Reflectance Data. , 2019, , . | | 0 |