

# Feng Tian

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

2,674  
citations

257450

24  
h-index

414414

32  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3324  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Increased vegetation growth and carbon stock in China karst via ecological engineering. <i>Nature Sustainability</i> , 2018, 1, 44-50.   | 23.7 | 460       |
| 2  | Evaluating temporal consistency of long-term global NDVI datasets for trend analysis. <i>Remote Sensing of Environment</i> , 2015, 163, 326-340.   | 11.0 | 232       |
| 3  | Remote sensing of vegetation dynamics in drylands: Evaluating vegetation optical depth (VOD) using AVHRR NDVI and in situ green biomass data over West African Sahel. <i>Remote Sensing of Environment</i> , 2016, 177, 265-276. | 11.0 | 174       |
| 4  | Satellite passive microwaves reveal recent climate-induced carbon losses in African drylands. <i>Nature Ecology and Evolution</i> , 2018, 2, 827-835.  | 7.8  | 160       |
| 5  | Human population growth offsets climate-driven increase in woody vegetation in sub-Saharan Africa. <i>Nature Ecology and Evolution</i> , 2017, 1, 81.  | 7.8  | 156       |
| 6  | Satellite-observed Major Greening and Biomass Increase in South China Karst During Recent Decade. <i>Earth's Future</i> , 2018, 6, 1017-1028.  | 6.3  | 143       |
| 7  | Satellite-observed pantropical carbon dynamics. <i>Nature Plants</i> , 2019, 5, 944-951.   | 9.3  | 141       |
| 8  | Coupling of ecosystem-scale plant water storage and leaf phenology observed by satellite. <i>Nature Ecology and Evolution</i> , 2018, 2, 1428-1435.  | 7.8  | 114       |
| 9  | Climate Contributions to Vegetation Variations in Central Asian Drylands: Pre- and Post-USSR Collapse. <i>Remote Sensing</i> , 2015, 7, 2449-2470.   | 4.0  | 100       |
| 10 | Reduction of tree cover in West African woodlands and promotion in semi-arid farmlands. <i>Nature Geoscience</i> , 2018, 11, 328-333.  | 12.9 | 94        |
| 11 | Recent divergence in the contributions of tropical and boreal forests to the terrestrial carbon sink. <i>Nature Ecology and Evolution</i> , 2020, 4, 202-209.  | 7.8  | 93        |
| 12 | Mapping gains and losses in woody vegetation across global tropical drylands. <i>Global Change Biology</i> , 2017, 23, 1748-1760.  | 9.5  | 77        |
| 13 | Mapping and Evaluation of NDVI Trends from Synthetic Time Series Obtained by Blending Landsat and MODIS Data around a Coalfield on the Loess Plateau. <i>Remote Sensing</i> , 2013, 5, 4255-4279.                                | 4.0  | 72        |
| 14 | Effect of coal mining on vegetation disturbance and associated carbon loss. <i>Environmental Earth Sciences</i> , 2015, 73, 2329-2342.   | 2.7  | 72        |
| 15 | Acceleration of global vegetation greening from combined effects of climate change and human land management. <i>Global Change Biology</i> , 2018, 24, 5484-5499.  | 9.5  | 72        |
| 16 | Revisiting the coupling between NDVI trends and cropland changes in the Sahel drylands: A case study in western Niger. <i>Remote Sensing of Environment</i> , 2017, 191, 286-296.  | 11.0 | 60        |
| 17 | Vegetation greening in more than 94% of the Yellow River Basin (YRB) region in China during the 21st century caused jointly by warming and anthropogenic activities. <i>Ecological Indicators</i> , 2021, 125, 107479.           | 6.3  | 59        |
| 18 | Calibrating vegetation phenology from Sentinel-2 using eddy covariance, PhenoCam, and PEP725 networks across Europe. <i>Remote Sensing of Environment</i> , 2021, 260, 112456.   | 11.0 | 56        |

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|----|---|------|-----------|
| 19 | The forgotten land use class: Mapping of fallow fields across the Sahel using Sentinel-2. Remote Sensing of Environment, 2020, 239, 111598.   | 11.0 | 48        |
| 20 | Trends of land surface phenology derived from passive microwave and optical remote sensing systems and associated drivers across the dry tropics 1992â€“2012. Remote Sensing of Environment, 2019, 232, 111307. | 11.0 | 43        |
| 21 | Snow effects on alpine vegetation in the Qinghai-Tibetan Plateau. International Journal of Digital Earth, 2015, 8, 58-75.   | 3.9  | 42        |
| 22 | Widespread decline in winds delayed autumn foliar senescence over high latitudes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .                                 | 7.1  | 41        |
| 23 | Ecosystem structural changes controlled by altered rainfall climatology in tropical savannas. Nature Communications, 2019, 10, 671.   | 12.8 | 39        |
| 24 | Monitoring coal fires in Datong coalfield using multi-source remote sensing data. Transactions of Nonferrous Metals Society of China, 2015, 25, 3421-3428.  | 4.2  | 32        |
| 25 | A physiologyâ€“based Earth observation model indicates stagnation in the global gross primary production during recent decades. Global Change Biology, 2021, 27, 836-854.                                       | 9.5  | 25        |
| 26 | The complex multi-sectoral impacts of drought: Evidence from a mountainous basin in the Central Spanish Pyrenees. Science of the Total Environment, 2021, 769, 144702.  | 8.0  | 15        |
| 27 | Assessing Drivers of Vegetation Changes in Drylands from Time Series of Earth Observation Data. Remote Sensing and Digital Image Processing, 2015, , 183-202.   | 0.7  | 14        |
| 28 | Asymmetric patterns and temporal changes in phenologyâ€“based seasonal gross carbon uptake of global terrestrial ecosystems. Global Ecology and Biogeography, 2020, 29, 1020-1033.                              | 5.8  | 11        |
| 29 | Early Growing Season Anomalies in Vegetation Activity Determine the Largeâ€“Scale Climateâ€“Vegetation Coupling in Europe. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006167.         | 3.0  | 8         |
| 30 | Estimation of Aerosol Optical Depth at 30 m Resolution Using Landsat Imagery and Machine Learning. Remote Sensing, 2022, 14, 1053.  | 4.0  | 6         |
| 31 | SMOS-IC: Current Status and Overview of Soil Moisture and VOD Applications. , 2018, , .   |      | 4         |
| 32 | Minimum carbon uptake controls the interannual variability of ecosystem productivity in tropical evergreen forests. Global and Planetary Change, 2020, 195, 103343.   | 3.5  | 2         |