Feng Tian

List of Publications by Citations

32 papers	1,570 citations	20 h-index	35 g-index
35 ext. papers	2,097 ext. citations	9.4 avg, IF	4.68 L-index

#	Paper	IF	Citations
32	Increased vegetation growth and carbon stock in China karst via ecological engineering. *Nature Sustainability*, **2018**, 1, 44-50	22.1	230
31	Evaluating temporal consistency of long-term global NDVI datasets for trend analysis. *Remote Sensing of Environment*, **2015**, 163, 326-340	13.2	171
30	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. *Remote Sensing of Environment*, **2016**, 177, 265-276	13.2	127
29	Human population growth offsets climate-driven increase in woody vegetation in sub-Saharan Africa. *Nature Ecology and Evolution*, **2017**, 1, 81	12.3	103
28	Satellite passive microwaves reveal recent climate-induced carbon losses in African drylands. *Nature Ecology and Evolution*, **2018**, 2, 827-835	12.3	97
27	Satellite-observed pantropical carbon dynamics. *Nature Plants*, **2019**, 5, 944-951	11.5	82
26	Climate Contributions to Vegetation Variations in Central Asian Drylands: Pre- and Post-USSR Collapse. *Remote Sensing*, **2015**, 7, 2449-2470	5	73
25	Coupling of ecosystem-scale plant water storage and leaf phenology observed by satellite. *Nature Ecology and Evolution*, **2018**, 2, 1428-1435	12.3	72
24	Satellite-Observed Major Greening and Biomass Increase in South China Karst During Recent Decade. *Earth's Future*, **2018**, 6, 1017-1028	7.9	68
23	Mapping gains and losses in woody vegetation across global tropical drylands. *Global Change Biology*, **2017**, 23, 1748-1760	11.4	62
22	"Reduction of tree cover in West African woodlands and promotion in semi-arid farmlands". *Nature Geoscience*, **2018**, 11, 328-333	18.3	58
21	Mapping and Evaluation of NDVI Trends from Synthetic Time Series Obtained by Blending Landsat and MODIS Data around a Coalfield on the Loess Plateau. *Remote Sensing*, **2013**, 5, 4255-4279	5	58
20	Revisiting the coupling between NDVI trends and cropland changes in the Sahel drylands: A case study in western Niger. *Remote Sensing of Environment*, **2017**, 191, 286-296	13.2	45
19	Recent divergence in the contributions of tropical and boreal forests to the terrestrial carbon sink. *Nature Ecology and Evolution*, **2020**, 4, 202-209	12.3	39
18	Acceleration of global vegetation greenup from combined effects of climate change and human land management. *Global Change Biology*, **2018**, 24, 5484-5499	11.4	39
17	Effect of coal mining on vegetation disturbance and associated carbon loss. *Environmental Earth Sciences*, **2015**, 73, 2329-2342	2.9	35
16	Snow effects on alpine vegetation in the Qinghai-Tibetan Plateau. *International Journal of Digital Earth*, **2015**, 8, 58-75	3.9	31

List of Publications

15	Trends of land surface phenology derived from passive microwave and optical remote sensing systems and associated drivers across the dry tropics 1992–2012. *Remote Sensing of Environment*, **2019**, 232, 111307	13.2	31
14	The forgotten land use class: Mapping of fallow fields across the Sahel using Sentinel-2. *Remote Sensing of Environment*, **2020**, 239, 111598	13.2	30
13	Monitoring coal fires in Datong coalfield using multi-source remote sensing data. *Transactions of Nonferrous Metals Society of China*, **2015**, 25, 3421-3428	3.3	24
12	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. *Ecological Indicators*, **2021**, 125, 107479	5.8	20
11	Ecosystem structural changes controlled by altered rainfall climatology in tropical savannas. *Nature Communications*, **2019**, 10, 671	17.4	20
10	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,	11.5	14
9	Calibrating vegetation phenology from Sentinel-2 using eddy covariance, PhenoCam, and PEP725 networks across Europe. *Remote Sensing of Environment*, **2021**, 260, 112456	13.2	11
8	Assessment of Vegetation Trends in Drylands from Time Series of Earth Observation Data. *Remote Sensing and Digital Image Processing*, **2015**, 159-182	0.2	6
7	Assessing Drivers of Vegetation Changes in Drylands from Time Series of Earth Observation Data. *Remote Sensing and Digital Image Processing*, **2015**, 183-202	0.2	6
6	Asymmetric patterns and temporal changes in phenology-based seasonal gross carbon uptake of global terrestrial ecosystems. *Global Ecology and Biogeography*, **2020**, 29, 1020-1033	6.1	6
5	Early Growing Season Anomalies in Vegetation Activity Determine the Large-Scale Climate-Vegetation Coupling in Europe. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2020JG006167	3.7	3
4	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	10.2	3
3	A physiology-based Earth observation model indicates stagnation in the global gross primary production during recent decades. *Global Change Biology*, **2021**, 27, 836-854	11.4	3
2	Estimation of Aerosol Optical Depth at 30 m Resolution Using Landsat Imagery and Machine Learning. *Remote Sensing*, **2022**, 14, 1053	5	2
1	Minimum carbon uptake controls the interannual variability of ecosystem productivity in tropical evergreen forests. *Global and Planetary Change*, **2020**, 195, 103343	4.2	1