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List of Publications by Citations

37 papers	1,227 citations	21 h-index	35 g-index
41 ext. papers	1,546 ext. citations	6.8 avg, IF	4.58 L-index

#	Paper	IF	Citations
37	Age structure and disturbance legacy of North American forests. *Biogeosciences*, **2011**, 8, 715-732	4.6	202
36	Global clumping index map derived from the MODIS BRDF product. *Remote Sensing of Environment*, **2012**, 119, 118-130	13.2	152
35	Relationships between net primary productivity and forest stand age in U.S. forests. *Global Biogeochemical Cycles*, **2012**, 26,	5.9	95
34	Angular normalization of GOME-2 Sun-induced chlorophyll fluorescence observation as a better proxy of vegetation productivity. *Geophysical Research Letters*, **2017**, 44, 5691-5699	4.9	62
33	The global distribution of leaf chlorophyll content. *Remote Sensing of Environment*, **2020**, 236, 111479	13.2	57
32	Improved estimates of global terrestrial photosynthesis using information on leaf chlorophyll content. *Global Change Biology*, **2019**, 25, 2499-2514	11.4	50
31	Assessment of foliage clumping effects on evapotranspiration estimates in forested ecosystems. *Agricultural and Forest Meteorology*, **2016**, 216, 82-92	5.8	47
30	Retrieving vegetation clumping index from Multi-angle Imaging SpectroRadiometer (MISR) data at 275m resolution. *Remote Sensing of Environment*, **2013**, 138, 126-133	13.2	37
29	Assessment of SMAP soil moisture for global simulation of gross primary production. *Journal of Geophysical Research G: Biogeosciences*, **2017**, 122, 1549-1563	3.7	36
28	Inter- and intra-annual variations of clumping index derived from the MODIS BRDF product. *International Journal of Applied Earth Observation and Geoinformation*, **2016**, 44, 53-60	7.3	34
27	Nitrogen Availability Dampens the Positive Impacts of CO2 Fertilization on Terrestrial Ecosystem Carbon and Water Cycles. *Geophysical Research Letters*, **2017**, 44, 11,590-11,600	4.9	34
26	Changes in the Shadow: The Shifting Role of Shaded Leaves in Global Carbon and Water Cycles Under Climate Change. *Geophysical Research Letters*, **2018**, 45, 5052-5061	4.9	34
25	Diverse photosynthetic capacity of global ecosystems mapped by satellite chlorophyll fluorescence measurements. *Remote Sensing of Environment*, **2019**, 232, 111344-111344	13.2	33
24	Comparison of Big-Leaf, Two-Big-Leaf, and Two-Leaf Upscaling Schemes for Evapotranspiration Estimation Using Coupled Carbon-Water Modeling. *Journal of Geophysical Research G: Biogeosciences*, **2018**, 123, 207-225	3.7	32
23	From Canopy-Leaving to Total Canopy Far-Red Fluorescence Emission for Remote Sensing of Photosynthesis: First Results From TROPOMI. *Geophysical Research Letters*, **2019**, 46, 12030-12040	4.9	26
22	Optimization of water uptake and photosynthetic parameters in an ecosystem model using tower flux data. *Ecological Modelling*, **2014**, 294, 94-104	3	25
21	Attributing carbon changes in conterminous U.S. forests to disturbance and non-disturbance factors from 1901 to 2010. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		25

20	Estimating crop biomass using leaf area index derived from Landsat 8 and Sentinel-2 data. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2020**, 168, 236-250	11.8	25
19	Inverting the maximum carboxylation rate (V cmax) from the sunlit leaf photosynthesis rate derived from measured light response curves at tower flux sites. *Agricultural and Forest Meteorology*, **2017**, 236, 48-66	5.8	23
18	Global 500 m clumping index product derived from MODIS BRDF data (2001–2017). *Remote Sensing of Environment*, **2019**, 232, 111296	13.2	23
17	Normalized algorithm for mapping and dating forest disturbances and regrowth for the United States. *International Journal of Applied Earth Observation and Geoinformation*, **2011**, 13, 236-245	7.3	22
16	Enhancement of a fire-detection algorithm by eliminating solar contamination effects and atmospheric path radiance: application to MODIS data. *International Journal of Remote Sensing*, **2011**, 32, 6273-6293	3.1	19
15	Enhancement of a fire detection algorithm by eliminating solar reflection in the mid-IR band: application to AVHRR data. *International Journal of Remote Sensing*, **2012**, 33, 7047-7059	3.1	18
14	Simulation and SMAP Observation of Sun-Glint Over the Land Surface at the L-Band. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 2589-2604	8.1	17
13	Rapid Recent Deforestation Incursion in a Vulnerable Indigenous Land in the Brazilian Amazon and Fire-Driven Emissions of Fine Particulate Aerosol Pollutants. *Forests*, **2020**, 11, 829	2.8	17
12	Age structure and disturbance legacy of North American forests		15
11	Cotton Yield Estimate Using Sentinel-2 Data and an Ecosystem Model over the Southern US. *Remote Sensing*, **2019**, 11, 2000	5	14
10	Underestimation of Global Photosynthesis in Earth System Models Due to Representation of Vegetation Structure. *Global Biogeochemical Cycles*, **2019**, 33, 1358-1369	5.9	14
9	Exploring SMAP and OCO-2 observations to monitor soil moisture control on photosynthetic activity of global drylands and croplands. *Remote Sensing of Environment*, **2019**, 232, 111314	13.2	11
8	Influence of site index on the relationship between forest net primary productivity and stand age. *PLoS ONE*, **2017**, 12, e0177084	3.7	10
7	Integration of multi-scale remote sensing data for reindeer lichen fractional cover mapping in Eastern Canada. *Remote Sensing of Environment*, **2021**, 267, 112731	13.2	5
6	Leveraging Deep Neural Networks to Map Caribou Lichen in High-Resolution Satellite Images Based on a Small-Scale, Noisy UAV-Derived Map. *Remote Sensing*, **2021**, 13, 2658	5	4
5	Non-linearity between gross primary productivity and far-red solar-induced chlorophyll fluorescence emitted from canopies of major biomes. *Remote Sensing of Environment*, **2022**, 271, 112896	13.2	2
4	Soil Moisture Active Passive Improves Global Soil Moisture Simulation in a Land Surface Scheme and Reveals Strong Irrigation Signals Over Farmlands. *Geophysical Research Letters*, **2021**, 48, e2021GL092658	4.9	2
3	Crop Biomass Mapping Based on Ecosystem Modeling at Regional Scale Using High Resolution Sentinel-2 Data. *Remote Sensing*, **2021**, 13, 806	5	2

2	Ground-Based Multiangle Solar-Induced Chlorophyll Fluorescence Observation and Angular Normalization for Assessing Crop Productivity. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2020JG006082	3.7	0
1	Evaluating Image Normalization via GANs for Environmental Mapping: A Case Study of Lichen Mapping Using High-Resolution Satellite Imagery. *Remote Sensing*, **2021**, 13, 5035	5	