

# Michael T Marshall

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7055461/publications.pdf>

Version: 2024-02-01

28  
papers

1,315  
citations

394286

19  
h-index

526166

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2163  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global phenological response to climate change in crop areas using satellite remote sensing of vegetation, humidity and temperature over 26years. Remote Sensing of Environment, 2012, 126, 174-183.	4.6	130
2	Advantage of hyperspectral EO-1 Hyperion over multispectral IKONOS, GeoEye-1, WorldView-2, Landsat ETM+, and MODIS vegetation indices in crop biomass estimation. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 108, 205-218.	4.9	106
3	Phenology of short vegetation cycles in a Kenyan rangeland from PlanetScope and Sentinel-2. Remote Sensing of Environment, 2020, 248, 112004.	4.6	92
4	How Universal Is the Relationship between Remotely Sensed Vegetation Indices and Crop Leaf Area Index? A Global Assessment. Remote Sensing, 2016, 8, 597.	1.8	91
5	A framework to assess national level vulnerability from the perspective of food security: The case of coral reef fisheries. Environmental Science and Policy, 2012, 23, 95-108.	2.4	87
6	Developing in situ Non-Destructive Estimates of Crop Biomass to Address Issues of Scale in Remote Sensing. Remote Sensing, 2015, 7, 808-835.	1.8	72
7	What Four Decades of Earth Observation Tell Us about Land Degradation in the Sahel?. Remote Sensing, 2015, 7, 4048-4067.	1.8	70
8	Climatic, Socio-economic, and Health Factors Affecting Human Vulnerability to Cholera in the Lake Victoria Basin, East Africa. Ambio, 2007, 36, 350-358.	2.8	63
9	Hyperspectral narrowband and multispectral broadband indices for remote sensing of crop evapotranspiration and its components (transpiration and soil evaporation). Agricultural and Forest Meteorology, 2016, 218-219, 122-134.	1.9	63
10	A sweet deal? Sugarcane, water and agricultural transformation in Sub-Saharan Africa. Global Environmental Change, 2016, 39, 181-194.	3.6	59
11	Vulnerability to epidemic malaria in the highlands of Lake Victoria basin: the role of climate change/variability, hydrology and socio-economic factors. Climatic Change, 2010, 99, 473-497.	1.7	52
12	Examining evapotranspiration trends in Africa. Climate Dynamics, 2012, 38, 1849-1865.	1.7	51
13	Mapping daily and seasonal evapotranspiration from irrigated crops using global climate grids and satellite imagery: Automation and methods comparison. Water Resources Research, 2016, 52, 7311-7326.	1.7	46
14	Optimizing a remote sensing production efficiency model for macro-scale GPP and yield estimation in agroecosystems. Remote Sensing of Environment, 2018, 217, 258-271.	4.6	43
15	Field-level crop yield estimation with PRISMA and Sentinel-2. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 187, 191-210.	4.9	38
16	Improving operational land surface model canopy evapotranspiration in Africa using a direct remote sensing approach. Hydrology and Earth System Sciences, 2013, 17, 1079-1091.	1.9	34
17	Crop area estimation using high and medium resolution satellite imagery in areas with complex topography. Journal of Geophysical Research, 2008, 113, .	3.3	33
18	Global assessment of Vegetation Index and Phenology Lab (VIP) and Global Inventory Modeling and Mapping Studies (GIMMS) version 3 products. Biogeosciences, 2016, 13, 625-639.	1.3	29

#	ARTICLE	IF	CITATIONS
19	Application of the MODIS MOD 17 Net Primary Production product in grassland carrying capacity assessment. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 78, 66-76.	1.4	29
20	Testing a high-resolution satellite interpretation technique for crop area monitoring in developing countries. <i>International Journal of Remote Sensing</i> , 2011, 32, 7997-8012.	1.3	18
21	A blended census and multiscale remote sensing approach to probabilistic cropland mapping in complex landscapes. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 161, 233-245.	4.9	18
22	Biomass Modeling of Four Leading World Crops Using Hyperspectral Narrowbands in Support of HypSIIRI Mission. <i>Photogrammetric Engineering and Remote Sensing</i> , 2014, 80, 757-772.	0.3	14
23	Crowd-Driven and Automated Mapping of Field Boundaries in Highly Fragmented Agricultural Landscapes of Ethiopia with Very High Spatial Resolution Imagery. <i>Remote Sensing</i> , 2019, 11, 2082.	1.8	14
24	Tracking crop phenology in a highly dynamic landscape with knowledge-based Landsat-MODIS data fusion. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 106, 102670.	1.4	12
25	On Parameterizing Soil Evaporation in a Direct Remote Sensing Model of ET: PT-JPL. <i>Water Resources Research</i> , 2020, 56, e2019WR026290.	1.7	11
26	Continuous and consistent land use/cover change estimates using socio-ecological data. <i>Earth System Dynamics</i> , 2017, 8, 55-73.	2.7	6
27	A global assessment of PT-JPL soil evaporation in agroecosystems with optical, thermal, and microwave satellite data. <i>Agricultural and Forest Meteorology</i> , 2021, 306, 108455.	1.9	4
28	HyNutri: Estimating the Nutritional Composition of Wheat from Multi-Temporal Prisma Data. , 2021, , .		1