

# John J Qu

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

2,135  
citations

361045

20  
h-index

360668

35  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2898  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring crop water content for corn and soybean fields through data fusion of MODIS and Landsat measurements in Iowa. <i>Agricultural Water Management</i> , 2020, 227, 105844.	2.4	21
2	Monitoring Surface Soil Moisture Content over the Vegetated Area by Integrating Optical and SAR Satellite Observations in the Permafrost Region of Tibetan Plateau. <i>Remote Sensing</i> , 2020, 12, 183.	1.8	11
3	Key rules of life and the fading cryosphere: Impacts in alpine lakes and streams. <i>Global Change Biology</i> , 2020, 26, 6644-6656.	4.2	46
4	Carbon Dioxide Emissions and Methane Flux from Forested Wetland Soils of the Great Dismal Swamp, USA. <i>Environmental Management</i> , 2019, 64, 190-200.	1.2	18
5	Trends in summer air temperature and vapor pressure and their impacts on thermal comfort in China. <i>Theoretical and Applied Climatology</i> , 2019, 138, 1445-1456.	1.3	9
6	Monitoring Extreme Agricultural Drought over the Horn of Africa (HOA) Using Remote Sensing Measurements. <i>Remote Sensing</i> , 2019, 11, 902.	1.8	46
7	Spatiotemporal characterization of the urban sprawl and its impacts on urban island in China with DMSP/OLS and MODIS measurements. <i>Theoretical and Applied Climatology</i> , 2019, 138, 293-303.	1.3	10
8	Downscaling of Surface Soil Moisture Retrieval by Combining MODIS/Landsat and In Situ Measurements. <i>Remote Sensing</i> , 2018, 10, 210.	1.8	44
9	Saharan dust detection using multi-sensor satellite measurements. <i>Heliyon</i> , 2017, 3, e00241.	1.4	16
10	Characterizing spatial-temporal changes of heat waves in China using center of gravity analysis. <i>Physical Geography</i> , 2017, 38, 379-391.	0.6	2
11	On-orbit evaporative fraction estimations using a histogram-based triangle method from Terra MODIS. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 016038.	0.6	1
12	Detection of Asian Dust Storm Using MODIS Measurements. <i>Remote Sensing</i> , 2017, 9, 869.	1.8	26
13	Agricultural drought monitoring using MODIS-based drought indices over the USA Corn Belt. <i>International Journal of Remote Sensing</i> , 2015, 36, 5403-5425.	1.3	41
14	Remote sensing of fuel moisture content from ratios of narrow-band vegetation water and dry-matter indices. <i>Remote Sensing of Environment</i> , 2013, 129, 103-110.	4.6	64
15	Remote sensing of fuel moisture content from canopy water indices and normalized dry matter index. <i>Journal of Applied Remote Sensing</i> , 2012, 6, 061705.	0.6	9
16	Remote sensing of fuel moisture content from the ratios of canopy water indices with a foliar dry matter index. , 2012, , .		0
17	Spectral signatures of hydrilla from a tank and field setting. <i>Frontiers of Earth Science</i> , 2012, 6, 453-460.	0.9	3
18	Multivariate Analysis of MODerate Resolution Imaging Spectroradiometer (MODIS) Aerosol Retrievals and the Statistical Hurricane Intensity Prediction Scheme (SHIPS) Parameters for Atlantic Hurricanes. <i>Remote Sensing</i> , 2012, 4, 2846-2865.	1.8	1

#	ARTICLE	IF	CITATIONS
19	Remote Sensing of Soil and Vegetation Moisture from Space for Monitoring Drought and Forest Fire Events. , 2012, , 507-536.		0
20	Estimating dry matter content of fresh leaves from the residuals between leaf and water reflectance. Remote Sensing Letters, 2011, 2, 137-145.	0.6	39
21	Oil spill detection with fully polarimetric UAVSAR data. Marine Pollution Bulletin, 2011, 62, 2611-2618.	2.3	81
22	Validation of MODIS aerosol optical depth product over China using CARSNET measurements. Atmospheric Environment, 2011, 45, 5970-5978.	1.9	113
23	Towards estimation of canopy foliar biomass with spectral reflectance measurements. Remote Sensing of Environment, 2011, 115, 836-840.	4.6	37
24	Comparison of hyperspectral retrievals with vegetation water indices for leaf and canopy water content. , 2011, , .		2
25	Impact analysis of MODIS band-to-band registration on its measurements and science data products. International Journal of Remote Sensing, 2011, 32, 4431-4444.	1.3	8
26	Estimating dry matter content from spectral reflectance for green leaves of different species. International Journal of Remote Sensing, 2011, 32, 7097-7109.	1.3	81
27	Post-hurricane forest damage assessment using satellite remote sensing. Agricultural and Forest Meteorology, 2010, 150, 122-132.	1.9	101
28	Earth Observations. , 2010, , 17-78.		0
29	Haze trends over the capital cities of 31 provinces in China, 1981â€“2005. Theoretical and Applied Climatology, 2009, 97, 235-242.	1.3	162
30	Satellite remote sensing applications for surface soil moisture monitoring: A review. Frontiers of Earth Science, 2009, 3, 237-247.	0.5	353
31	Remote sensing of canopy water content: scaling from leaf data to MODIS. , 2009, , .		2
32	Active fire monitoring and fire danger potential detection from space: A review. Frontiers of Earth Science, 2008, 2, 479-486.	0.5	5
33	MODIS On-Orbit Spatial Characterization Using Ground Targets. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2666-2674.	2.7	6
34	Forest fire detection using the normalized multi-band drought index (NMDI) with satellite measurements. Agricultural and Forest Meteorology, 2008, 148, 1767-1776.	1.9	68
35	Sensitivity studies of the moisture effects on MODIS SWIR reflectance and vegetation water indices. International Journal of Remote Sensing, 2008, 29, 7065-7075.	1.3	71
36	NMDI: A normalized multi-band drought index for monitoring soil and vegetation moisture with satellite remote sensing. Geophysical Research Letters, 2007, 34, .	1.5	317

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37	Horizontal visibility trends in China 1981–2005. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	206
38	An improved algorithm for small and cool fire detection using MODIS data: A preliminary study in the southeastern United States. <i>Remote Sensing of Environment</i> , 2007, 108, 163-170.	4.6	62
39	Simulating the formation of Hurricane Isabel (2003) with AIRS data. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	49
40	Monitoring urban carbon emissions from energy consumption over China with DMSP/OLS nighttime light observations. <i>Theoretical and Applied Climatology</i> , 0, , .	1.3	2