

# 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	Satellite remote sensing applications for surface soil moisture monitoring: A review. <i>Frontiers of Earth Science</i> , 2009, 3, 237-247.	0.5	353
2	NMDI: A normalized multi-band drought index for monitoring soil and vegetation moisture with satellite remote sensing. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	317
3	Horizontal visibility trends in China 1981-2005. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	206
4	Haze trends over the capital cities of 31 provinces in China, 1981-2005. <i>Theoretical and Applied Climatology</i> , 2009, 97, 235-242.	1.3	162
5	Validation of MODIS aerosol optical depth product over China using CARSNET measurements. <i>Atmospheric Environment</i> , 2011, 45, 5970-5978.	1.9	113
6	Post-hurricane forest damage assessment using satellite remote sensing. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 122-132.	1.9	101
7	Oil spill detection with fully polarimetric UAVSAR data. <i>Marine Pollution Bulletin</i> , 2011, 62, 2611-2618.	2.3	81
8	Estimating dry matter content from spectral reflectance for green leaves of different species. <i>International Journal of Remote Sensing</i> , 2011, 32, 7097-7109.	1.3	81
9	Sensitivity studies of the moisture effects on MODIS SWIR reflectance and vegetation water indices. <i>International Journal of Remote Sensing</i> , 2008, 29, 7065-7075.	1.3	71
10	Forest fire detection using the normalized multi-band drought index (NMDI) with satellite measurements. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1767-1776.	1.9	68
11	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
12	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
13	Simulating the formation of Hurricane Isabel (2003) with AIRS data. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	49
14	Monitoring Extreme Agricultural Drought over the Horn of Africa (HOA) Using Remote Sensing Measurements. <i>Remote Sensing</i> , 2019, 11, 902.	1.8	46
15	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
16	Downscaling of Surface Soil Moisture Retrieval by Combining MODIS/Landsat and In Situ Measurements. <i>Remote Sensing</i> , 2018, 10, 210.	1.8	44
17	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
18	Estimating dry matter content of fresh leaves from the residuals between leaf and water reflectance. <i>Remote Sensing Letters</i> , 2011, 2, 137-145.	0.6	39

#	ARTICLE	IF	CITATIONS
19	Towards estimation of canopy foliar biomass with spectral reflectance measurements. Remote Sensing of Environment, 2011, 115, 836-840.	4.6	37
20	Detection of Asian Dust Storm Using MODIS Measurements. Remote Sensing, 2017, 9, 869.	1.8	26
21	Monitoring crop water content for corn and soybean fields through data fusion of MODIS and Landsat measurements in Iowa. Agricultural Water Management, 2020, 227, 105844.	2.4	21
22	Carbon Dioxide Emissions and Methane Flux from Forested Wetland Soils of the Great Dismal Swamp, USA. Environmental Management, 2019, 64, 190-200.	1.2	18
23	Saharan dust detection using multi-sensor satellite measurements. Heliyon, 2017, 3, e00241.	1.4	16
24	Monitoring Surface Soil Moisture Content over the Vegetated Area by Integrating Optical and SAR Satellite Observations in the Permafrost Region of Tibetan Plateau. Remote Sensing, 2020, 12, 183.	1.8	11
25	Spatiotemporal characterization of the urban sprawl and its impacts on urban island in China with DMSP/OLS and MODIS measurements. Theoretical and Applied Climatology, 2019, 138, 293-303.	1.3	10
26	Remote sensing of fuel moisture content from canopy water indices and normalized dry matter index. Journal of Applied Remote Sensing, 2012, 6, 061705.	0.6	9
27	Trends in summer air temperature and vapor pressure and their impacts on thermal comfort in China. Theoretical and Applied Climatology, 2019, 138, 1445-1456.	1.3	9
28	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
29	MODIS On-Orbit Spatial Characterization Using Ground Targets. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2666-2674.	2.7	6
30	Active fire monitoring and fire danger potential detection from space: A review. Frontiers of Earth Science, 2008, 2, 479-486.	0.5	5
31	Spectral signatures of hydrilla from a tank and field setting. Frontiers of Earth Science, 2012, 6, 453-460.	0.9	3
32	Remote sensing of canopy water content: scaling from leaf data to MODIS. , 2009, , .		2
33	Comparison of hyperspectral retrievals with vegetation water indices for leaf and canopy water content. , 2011, , .		2
34	Characterizing spatial-temporal changes of heat waves in China using center of gravity analysis. Physical Geography, 2017, 38, 379-391.	0.6	2
35	Monitoring urban carbon emissions from energy consumption over China with DMSP/OLS nighttime light observations. Theoretical and Applied Climatology, 0, , .	1.3	2
36	Multivariate Analysis of MODerate Resolution Imaging Spectroradiometer (MODIS) Aerosol Retrievals and the Statistical Hurricane Intensity Prediction Scheme (SHIPS) Parameters for Atlantic Hurricanes. Remote Sensing, 2012, 4, 2846-2865.	1.8	1

#	ARTICLE	IF	CITATIONS
37	On-orbit evaporative fraction estimations using a histogram-based triangle method from Terra MODIS. Journal of Applied Remote Sensing, 2017, 11, 016038.	0.6	1
38	Remote sensing of fuel moisture content from the ratios of canopy water indices with a foliar dry matter index. , 2012, , .		0
39	Earth Observations. , 2010, , 17-78.		0
40	Remote Sensing of Soil and Vegetation Moisture from Space for Monitoring Drought and Forest Fire Events. , 2012, , 507-536.		0