

Qingjiu Tian

List of Publications by Year in descending order

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81
papers

2,072
citations

304743

22
h-index

243625

44
g-index

82
all docs

82
docs citations

82
times ranked

2402
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive drought monitoring method integrating MODIS and TRMM data. International Journal of Applied Earth Observation and Geoinformation, 2013, 23, 245-253.	2.8	258
2	Estimate of winter-wheat above-ground biomass based on UAV ultrahigh-ground-resolution image textures and vegetation indices. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 150, 226-244.	11.1	227
3	Remote sensing algorithms for estimation of fractional vegetation cover using pure vegetation index values: A review. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 159, 364-377.	11.1	187
4	A Mechanism Study of Reflectance Spectroscopy for Investigating Heavy Metals in Soils. Soil Science Society of America Journal, 2007, 71, 918-926.	2.2	179
5	Possibilities of reflectance spectroscopy for the assessment of contaminant elements in suburban soils. Applied Geochemistry, 2005, 20, 1051-1059.	3.0	141
6	A Comparison of Crop Parameters Estimation Using Images from UAV-Mounted Snapshot Hyperspectral Sensor and High-Definition Digital Camera. Remote Sensing, 2018, 10, 1138.	4.0	118
7	Estimate of aerosol absorbing components of black carbon, brown carbon, and dust from ground-based remote sensing data of sun-sky radiometers. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6534-6543.	3.3	80
8	Development of soil moisture indices from differences in water absorption between shortwave-infrared bands. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 154, 216-230.	11.1	71
9	Determining oil slick thickness using hyperspectral remote sensing in the Bohai Sea of China. International Journal of Digital Earth, 2013, 6, 76-93.	3.9	70
10	Progress in Marine Oil Spill Optical Remote Sensing: Detected Targets, Spectral Response Characteristics, and Theories. Marine Geodesy, 2013, 36, 334-346.	2.0	48
11	Impacts of the seasonal distribution of rainfall on vegetation productivity across the Sahel. Biogeosciences, 2018, 15, 319-330.	3.3	47
12	Using broadband crop residue angle index to estimate the fractional cover of vegetation, crop residue, and bare soil in cropland systems. Remote Sensing of Environment, 2020, 237, 111538.	11.0	38
13	A comparison of multiple classifier combinations using different voting-weights for remote sensing image classification. International Journal of Remote Sensing, 2018, 39, 3705-3722.	2.9	35
14	Landslide monitoring by corner reflectors differential interferometry SAR. International Journal of Remote Sensing, 2010, 31, 6387-6400.	2.9	34
15	Using long-term daily satellite based rainfall data (1983-2015) to analyze spatio-temporal changes in the sahelian rainfall regime. Journal of Hydrology, 2017, 550, 427-440.	5.4	33
16	Characterizing spatiotemporal patterns of crop phenology across North America during 2000-2016 using satellite imagery and agricultural survey data. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 170, 156-173.	11.1	31
17	The remote sensing inversion theory of offshore oil slick thickness based on a two-beam interference model. Science China Earth Sciences, 2011, 54, 678-685.	5.2	30
18	A robust spectral angle index for remotely assessing soybean canopy chlorophyll content in different growing stages. Plant Methods, 2020, 16, 104.	4.3	30

#	ARTICLE	IF	CITATIONS
19	An optical remote sensing model for estimating oil slick thickness based on two-beam interference theory. <i>Optics Express</i> , 2012, 20, 24496.	3.4	27
20	Comparative Analysis of GF-1 WFV, ZY-3 MUX, and HJ-1 CCD Sensor Data for Grassland Monitoring Applications. <i>Remote Sensing</i> , 2015, 7, 2089-2108.	4.0	27
21	Analysis of Vegetation Red Edge with Different Illuminated/Shaded Canopy Proportions and to Construct Normalized Difference Canopy Shadow Index. <i>Remote Sensing</i> , 2019, 11, 1192.	4.0	26
22	Experimental study on spectral responses of offshore oil slick. <i>Science Bulletin</i> , 2008, 53, 3937-3941.	9.0	22
23	A Weighted Algorithm Based on Normalized Mutual Information for Estimating the Chlorophyll-a Concentration in Inland Waters Using Geostationary Ocean Color Imager (GOCI) Data. <i>Remote Sensing</i> , 2015, 7, 11731-11752.	4.0	21
24	An Improved Approach Considering Intra-class Variability for Mapping Winter Wheat Using Multitemporal MODIS EVI Images. <i>Remote Sensing</i> , 2019, 11, 1191.	4.0	21
25	Using Hyperspectral Crop Residue Angle Index to Estimate Maize and Winter-Wheat Residue Cover: A Laboratory Study. <i>Remote Sensing</i> , 2019, 11, 807.	4.0	21
26	How up-scaling of remote-sensing images affects land-cover classification by comparison with multiscale satellite images. <i>International Journal of Remote Sensing</i> , 2019, 40, 2784-2810.	2.9	21
27	GOFP: A Geometric-Optical Model for Forest Plantations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5230-5241.	6.3	16
28	A dynamic soil endmember spectrum selection approach for soil and crop residue linear spectral unmixing analysis. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 78, 306-317.	2.8	16
29	Changes in Vegetation Growth Dynamics and Relations with Climate in Inner Mongolia under More Strict Multiple Pre-Processing (2000–2018). <i>Sustainability</i> , 2020, 12, 2534.	3.2	16
30	Estimating fractional cover of crop, crop residue, and soil in cropland using broadband remote sensing data and machine learning. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 89, 102089.	2.8	15
31	A feasibility study on diagnosing wheat water status using spectral reflectance. <i>Science Bulletin</i> , 2001, 46, 666-669.	1.7	14
32	Retrieval of Urban Aerosol Optical Depth from Landsat 8 OLI in Nanjing, China. <i>Remote Sensing</i> , 2021, 13, 415.	4.0	13
33	Tree Species (Genera) Identification with GF-1 Time-Series in A Forested Landscape, Northeast China. <i>Remote Sensing</i> , 2020, 12, 1554.	4.0	12
34	Estimating canopy leaf area index in the late stages of wheat growth using continuous wavelet transform. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 083517.	1.3	11
35	An Impervious Surface Spectral Index on Multispectral Imagery Using Visible and Near-Infrared Bands. <i>Remote Sensing</i> , 2022, 14, 3391.	4.0	10
36	Analyzing the effects of particle size on remotely sensed spectra: a study on optical properties and spectral similarity scale of suspended particulate matters in water. <i>Applied Optics</i> , 2013, 52, 879.	1.8	9

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37	A novel spectral index for estimating fractional cover of non-photosynthetic vegetation using near-infrared bands of Sentinel satellite. International Journal of Applied Earth Observation and Geoinformation, 2021, 101, 102361.	2.8	9
38	Analysis of Spatial-Temporal Variation of Agricultural Drought and Its Response to ENSO over the Past 30 Years in the Huang-Huai-Hai Region, China. Terrestrial, Atmospheric and Oceanic Sciences, 2013, 24, 745.	0.6	8
39	Characterizing the Spatial Variations of Forest Sunlit and Shaded Components Using Discrete Aerial Lidar. Remote Sensing, 2020, 12, 1071.	4.0	8
40	Estimation of the Conifer-Broadleaf Ratio in Mixed Forests Based on Time-Series Data. Remote Sensing, 2021, 13, 4426.	4.0	8
41	An automatic extraction method for individual tree crowns based on self-adaptive mutual information and tile computing. International Journal of Digital Earth, 2015, 8, 495-516.	3.9	7
42	Combined effects of glacial retreat and penguin activity on soil greenhouse gas fluxes on South Georgia, sub-Antarctica. Science of the Total Environment, 2020, 718, 135255.	8.0	5
43	Error Analysis of LAI Measurements with LAI-2000 Due to Discrete View Angular Range Angles for Continuous Canopies. Remote Sensing, 2021, 13, 1405.	4.0	5
44	Stand density estimation based on fractional vegetation coverage from Sentinel-2 satellite imagery. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102760.	2.8	5
45	Aerosol Direct Radiative Effects over China Based on Long-Term Observations within the Sunâ€“Sky Radiometer Observation Network (SONET). Remote Sensing, 2020, 12, 3296.	4.0	4
46	Mapping tree species in natural and planted forests using Sentinel-2 images. Remote Sensing Letters, 2022, 13, 544-555.	1.4	4
47	Extraction of the corn planting area based on multi-temporal HJ-1 satellite data. , 2011, , .		3
48	Spectral behavior of imaginary part of aerosol refractive index obtained from ground-based sun-sky radiometer measurements in Beijing, China. , 2012, , .		3
49	Recovery of forest carbon density and carbon storage in a soil-degraded landscape in southeastern China. European Journal of Forest Research, 2019, 138, 397-413.	2.5	3
50	Sea animal activity controls CO ₂ , CH ₄ and N ₂ O emission hotspots on South Georgia, sub-Antarctica. Soil Biology and Biochemistry, 2019, 132, 174-186.	8.8	3
51	Improving leaf area index retrieval using spectral characteristic parameters and data splitting. International Journal of Remote Sensing, 2020, 41, 1741-1759.	2.9	3
52	Vegetation classification model based on high-resolution satellite imagery. , 2006, 6200, 95.		2
53	A new target detection algorithm: spectra sort encoding. International Journal of Remote Sensing, 2009, 30, 2297-2307.	2.9	2
54	Spatio-temporal distribution of tropospheric NO ₂ and quantitative analysis of its impact factors over Yangtze Delta based on OMI satellite measurements. , 2010, , .		2

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55	Simulation and analysis on the influence of different types of soil background on the remote sensing information of wheat NDVI of farmland. , 2016, , .		2
56	Quantitative retrieving forest ecological parameters based on remote sensing in Liping County of China. , 2006, 6359, 317.		1
57	Study on the extraction of urban roads from high-resolution remotely sensed imagery based on the knowledge of road features. Proceedings of SPIE, 2007, , .	0.8	1
58	Chlorophyll-a concentration estimated by hyperspectral remote sensing in Liaodong Bay. , 2009, , .		1
59	Spatial scale effect and spatial scaling of chlorophyll-a concentration in Lake Taihu, China. , 2011, , .		1
60	Winter wheat area extraction and estimation based on MODIS-VI time series and multi-temporal HJ CCD images in Jiangsu province, China. , 2011, , .		1
61	Comparison of methods of fractal texture extraction for high-resolution remotely sensed images. , 2012, , .		1
62	Estimation of rice canopy nitrogen concentration by hyperspectral remote sensing. , 2013, , .		1
63	Vegetation-shadow indices based on differences in effect of atmospheric-path radiation between optical bands. International Journal of Applied Earth Observation and Geoinformation, 2021, 104, 102579.	2.8	1
64	Mangrove recognition and extraction using multispectral remote sensing data in Beibu Gulf. , 2018, , .		1
65	Mechanisms Underlying Diurnal Variations in the Canopy Spectral Reflectance of Winter Wheat in the Jointing Stage. Current Science, 2020, 118, 1401.	0.8	1
66	Rape nitrogen nutrition diagnosis using continuum-removed hyperspectral reflectance. Proceedings of SPIE, 2008, , .	0.8	0
67	Analysis of factors influencing the accuracy of CRDInSAR. , 2009, , .		0
68	An algorithm for retrieving rock-desertification from multispectral remote sensing images. Proceedings of SPIE, 2009, , .	0.8	0
69	A statistics-based IHS-wavelet method for BJ-1 microsatellite image fusion. Proceedings of SPIE, 2009, , .	0.8	0
70	Spatial scale of chlorophyll-a concentration in Lake Taihu by using remote sensing images. Proceedings of SPIE, 2010, , .	0.8	0
71	The extraction of mangrove within intertidal zone based on multi-temporal HJ CCD images. Proceedings of SPIE, 2010, , .	0.8	0
72	Extraction of hydrocarbon content information by using hyperspectral image at Liaodong Bay, China. , 2010, , .		0

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73	Atmospheric sensitivity on land surface temperature retrieval using single channel thermal infrared remote sensing data: Comparison among models. , 2010, , .		0
74	A new image fusion method based on multiscale analysis and color model. , 2011, , .		0
75	Analysis of the pattern of winter wheat drought and its response to climate change in Huang-Huai-Hai region of China in past decade. , 2011, , .		0
76	Determining the aerosol type over case II waters through aerosol component concentration iteration algorithm. , 2011, , .		0
77	Extraction of Summer Maize Using MODIS EVI Time Series in Huang-Huai-Hai. , 2012, , .		0
78	Empirical relationship among wavelength, reflectance, and concentration of suspended particulate matter in water based on a laboratory experiment. Optical Review, 2013, 20, 509-512.	2.0	0
79	Comparative analysis of data quality and applications in vegetation of HJ-1A CCD images. Proceedings of SPIE, 2014, , .	0.8	0
80	Influence of branch architectures on gap fraction and clumping index of canopies. , 2016, , .		0
81	Extraction and Inversion of deciduous broad-leaved forest Based on HJ-CCD Remote Sensing Data. , 2013, , .		0