

Qingjiu Tian

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,072
citations

304701

22
h-index

243610

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. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 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. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 150, 226-244.	11.1	227
3	Remote sensing algorithms for estimation of fractional vegetation cover using pure vegetation index values: A review. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 159, 364-377.	11.1	187
4	A Mechanism Study of Reflectance Spectroscopy for Investigating Heavy Metals in Soils. <i>Soil Science Society of America Journal</i> , 2007, 71, 918-926.	2.2	179
5	Possibilities of reflectance spectroscopy for the assessment of contaminant elements in suburban soils. <i>Applied Geochemistry</i> , 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. <i>Remote Sensing</i> , 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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6534-6543.	3.3	80
8	Development of soil moisture indices from differences in water absorption between shortwave-infrared bands. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 154, 216-230.	11.1	71
9	Determining oil slick thickness using hyperspectral remote sensing in the Bohai Sea of China. <i>International Journal of Digital Earth</i> , 2013, 6, 76-93.	3.9	70
10	Progress in Marine Oil Spill Optical Remote Sensing: Detected Targets, Spectral Response Characteristics, and Theories. <i>Marine Geodesy</i> , 2013, 36, 334-346.	2.0	48
11	Impacts of the seasonal distribution of rainfall on vegetation productivity across the Sahel. <i>Biogeosciences</i> , 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. <i>Remote Sensing of Environment</i> , 2020, 237, 111538.	11.0	38
13	A comparison of multiple classifier combinations using different voting-weights for remote sensing image classification. <i>International Journal of Remote Sensing</i> , 2018, 39, 3705-3722.	2.9	35
14	Landslide monitoring by corner reflectors differential interferometry SAR. <i>International Journal of Remote Sensing</i> , 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. <i>Journal of Hydrology</i> , 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. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 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. <i>Science China Earth Sciences</i> , 2011, 54, 678-685.	5.2	30
18	A robust spectral angle index for remotely assessing soybean canopy chlorophyll content in different growing stages. <i>Plant Methods</i> , 2020, 16, 104.	4.3	30

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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	GOPF: 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. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 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. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013, 24, 745.	0.6	8
39	Characterizing the Spatial Variations of Forest Sunlit and Shaded Components Using Discrete Aerial Lidar. <i>Remote Sensing</i> , 2020, 12, 1071.	4.0	8
40	Estimation of the Conifer-Broadleaf Ratio in Mixed Forests Based on Time-Series Data. <i>Remote Sensing</i> , 2021, 13, 4426.	4.0	8
41	An automatic extraction method for individual tree crowns based on self-adaptive mutual information and tile computing. <i>International Journal of Digital Earth</i> , 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. <i>Science of the Total Environment</i> , 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. <i>Remote Sensing</i> , 2021, 13, 1405.	4.0	5
44	Stand density estimation based on fractional vegetation coverage from Sentinel-2 satellite imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 108, 102760.	2.8	5
45	Aerosol Direct Radiative Effects over China Based on Long-Term Observations within the Sun's Sky Radiometer Observation Network (SONET). <i>Remote Sensing</i> , 2020, 12, 3296.	4.0	4
46	Mapping tree species in natural and planted forests using Sentinel-2 images. <i>Remote Sensing Letters</i> , 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. <i>European Journal of Forest Research</i> , 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. <i>Soil Biology and Biochemistry</i> , 2019, 132, 174-186.	8.8	3
51	Improving leaf area index retrieval using spectral characteristic parameters and data splitting. <i>International Journal of Remote Sensing</i> , 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. <i>International Journal of Remote Sensing</i> , 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