

# Taixia Wu

## List of Publications by Year in descending order

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34  
papers

801  
citations

471509  
17  
h-index

501196  
28  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1014  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring and Assessing the 2012 Drought in the Great Plains: Analyzing Satellite-Retrieved Solar-Induced Chlorophyll Fluorescence, Drought Indices, and Gross Primary Production. <i>Remote Sensing</i> , 2016, 8, 61.	4.0	85
2	Laboratory Calibration of a Field Imaging Spectrometer System. <i>Sensors</i> , 2011, 11, 2408-2425.	3.8	76
3	Spatiotemporal evolution of ecological vulnerability in the Yellow River Basin under ecological restoration initiatives. <i>Ecological Indicators</i> , 2022, 135, 108586.	6.3	63
4	An Analysis of Shadow Effects on Spectral Vegetation Indexes Using a Ground-Based Imaging Spectrometer. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 2188-2192.	3.1	61
5	The evolution of landscape ecological security in Beijing under the influence of different policies in recent decades. <i>Science of the Total Environment</i> , 2019, 646, 49-57.	8.0	51
6	Comparison of the Continuity of Vegetation Indices Derived from Landsat 8 OLI and Landsat 7 ETM+ Data among Different Vegetation Types. <i>Remote Sensing</i> , 2015, 7, 13485-13506.	4.0	50
7	Remote sensing assessment and spatiotemporal variations analysis of ecological carrying capacity in the Aral Sea Basin. <i>Science of the Total Environment</i> , 2020, 735, 139562.	8.0	42
8	Selecting photovoltaic generation sites in Tibet using remote sensing and geographic analysis. <i>Solar Energy</i> , 2016, 133, 85-93.	6.1	39
9	A novel surface water index using local background information for long term and large-scale Landsat images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 172, 59-78.	11.1	39
10	A Modified Locality-Preserving Projection Approach for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 1059-1063.	3.1	38
11	Shortwave Infrared Imaging Spectroscopy for Analysis of Ancient Paintings. <i>Applied Spectroscopy</i> , 2017, 71, 977-987.	2.2	33
12	Evaluation of the Chinese Fine Spatial Resolution Hyperspectral Satellite TianGong-1 in Urban Land-Cover Classification. <i>Remote Sensing</i> , 2016, 8, 438.	4.0	29
13	An improved algorithm for retrieving the fine-mode fraction of aerosol optical thickness, part 1: Algorithm development. <i>Remote Sensing of Environment</i> , 2017, 192, 87-97.	11.0	28
14	The NDVI-CV Method for Mapping Evergreen Trees in Complex Urban Areas Using Reconstructed Landsat 8 Time-Series Data. <i>Forests</i> , 2019, 10, 139.	2.1	21
15	Exploring the Potential of Spectral Classification in Estimation of Soil Contaminant Elements. <i>Remote Sensing</i> , 2017, 9, 632.	4.0	20
16	Fractional evergreen forest cover mapping by MODIS time-series FEVC-CV methods at sub-pixel scales. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 163, 272-283.	11.1	20
17	Development of a Portable Field Imaging Spectrometer: Application for the Identification of Sun-Dried and Sulfur-Fumigated Chinese Herbs. <i>Applied Spectroscopy</i> , 2016, 70, 879-887.	2.2	19
18	Estimating the area burned by agricultural fires from Landsat 8 Data using the Vegetation Difference Index and Burn Scar Index. <i>International Journal of Wildland Fire</i> , 2018, 27, 217.	2.4	14

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19	Spatially Disaggregating Satellite Land Surface Temperature With a Nonlinear Model Across Agricultural Areas. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3232-3251.	3.0	10
20	Ecological Safety Assessment and Analysis of Regional Spatiotemporal Differences Based on Earth Observation Satellite Data in Support of SDGs: The Case of the Huaihe River Basin. <i>Remote Sensing</i> , 2021, 13, 3942.	4.0	9
21	An Adaptive-Parameter Pixel Unmixing Method for Mapping Evergreen Forest Fractions Based on Time-Series NDVI: A Case Study of Southern China. <i>Remote Sensing</i> , 2021, 13, 4678.	4.0	8
22	Research and application of multi-angle polarization characteristics of water body mirror reflection. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 946-952.	0.9	7
23	Assessing the Effect of Temporal Interval Length on the Blending of Landsat-MODIS Surface Reflectance for Different Land Cover Types in Southwestern Continental United States. <i>ISPRS International Journal of Geo-Information</i> , 2015, 4, 2542-2560.	2.9	7
24	Influence of polarized reflection on airborne remote sensing of canopy foliar nitrogen content. <i>International Journal of Remote Sensing</i> , 2020, 41, 4879-4900.	2.9	7
25	The discovery and extraction of Chinese ink characters from the wood surfaces of the Huangchangticou tomb of Western Han Dynasty. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 4147-4155.	1.8	5
26	Urban Black-Odor Water Remote Sensing Mapping Based on Shadow Removal: A Case Study in Nanjing. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 9584-9596.	4.9	5
27	Improving the Accuracy of Fractional Evergreen Forest Cover Estimation at Subpixel Scale in Cloudy and Rainy Areas by Harmonizing Landsat-8 and Sentinel-2 Time-Series Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 3373-3385.	4.9	5
28	An improved combined vegetation difference index and burn scar index approach for mapping cropland burned areas using combined data from Landsat 8 multispectral and thermal infrared bands. <i>International Journal of Wildland Fire</i> , 2020, 29, 499.	2.4	2
29	A Normalized Difference Spectral Recognition Index for Azurite Pigment. <i>Applied Spectroscopy</i> , 2020, 74, 571-582.	2.2	2
30	Temporal and Spatial Characteristics of the Global Skylight Polarization Vector Field. <i>Remote Sensing</i> , 2022, 14, 2193.	4.0	2
31	Phenologyâ€“Gross Primary Productivity (GPP) Method for Crop Information Extraction in Areas Sensitive to Non-Point Source Pollution and Its Influence on Pollution Intensity. <i>Remote Sensing</i> , 2022, 14, 2833.	4.0	2
32	Evaluation of Multiple Spring Phenological Indicators of Yearly GPP and NEP at Three Canadian Forest Sites. <i>Remote Sensing</i> , 2014, 6, 1991-2007.	4.0	1
33	Analysis of ancient painting by shortwave infrared imaging spectroscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 2164-2165.	0.4	1
34	Real-time hyperspectral anomaly detection system enhanced by graphics processing unit. <i>Journal of Applied Remote Sensing</i> , 2018, 12, 1.	1.3	0