Taixia Wu

List of Publications by Year
in descending order

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	Spatiotemporal evolution of ecological vulnerability in the Yellow River Basin under ecological restoration initiatives. Ecological Indicators, 2022, 135, 108586.	6.3	63
2	Temporal and Spatial Characteristics of the Global Skylight Polarization Vector Field. Remote Sensing, 2022, 14, 2193.	4.0	2
3	Phenology–Gross Primary Productivity (GPP) Method for Crop Information Extraction in Areas Sensitive to Non-Point Source Pollution and Its Influence on Pollution Intensity. Remote Sensing, 2022, 14, 2833.	4.0	2
4	Urban Black-Odor Water Remote Sensing Mapping Based on Shadow Removal: A Case Study in Nanjing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9584-9596.	4.9	5
5	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. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3373-3385.	4.9	5
6	A novel surface water index using local background information for long term and large-scale Landsat images. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 172, 59-78.	11.1	39
7	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. Remote Sensing, 2021, 13, 3942.	4.0	9
8	An Adaptive-Parameter Pixel Unmixing Method for Mapping Evergreen Forest Fractions Based on Time-Series NDVI: A Case Study of Southern China. Remote Sensing, 2021, 13, 4678.	4.0	8
9	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. International Journal of Wildland Fire, 2020, 29, 499.	2.4	2
10	A Normalized Difference Spectral Recognition Index for Azurite Pigment. Applied Spectroscopy, 2020, 74, 571-582.	2.2	2
11	Influence of polarized reflection on airborne remote sensing of canopy foliar nitrogen content. International Journal of Remote Sensing, 2020, 41, 4879-4900.	2.9	7
12	Fractional evergreen forest cover mapping by MODIS time-series FEVC-CV methods at sub-pixel scales. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 163, 272-283.	11.1	20
13	Remote sensing assessment and spatiotemporal variations analysis of ecological carrying capacity in the Aral Sea Basin. Science of the Total Environment, 2020, 735, 139562.	8.0	42
14	The evolution of landscape ecological security in Beijing under the influence of different policies in recent decades. Science of the Total Environment, 2019, 646, 49-57.	8.0	51
15	Spatially Disaggregating Satellite Land Surface Temperature With a Nonlinear Model Across Agricultural Areas. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3232-3251.	3.0	10
16	The discovery and extraction of Chinese ink characters from the wood surfaces of the Huangchangticou tomb of Western Han Dynasty. Archaeological and Anthropological Sciences, 2019, 11, 4147-4155.	1.8	5
17	The NDVI-CV Method for Mapping Evergreen Trees in Complex Urban Areas Using Reconstructed Landsat 8 Time-Series Data. Forests, 2019, 10, 139.	2.1	21
18	Estimating the area burned by agricultural fires from Landsat 8 Data using the Vegetation Difference Index and Burn Scar Index. International Journal of Wildland Fire, 2018, 27, 217.	2.4	14

#	Article	IF	Citations
19	Analysis of ancient painting by shortwave infrared imaging spectroscopy. Microscopy and Microanalysis, 2018, 24, 2164-2165.	0.4	1
20	Real-time hyperspectral anomaly detection system enhanced by graphics processing unit. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	0
21	An improved algorithm for retrieving the fine-mode fraction of aerosol optical thickness, part 1: Algorithm development. Remote Sensing of Environment, 2017, 192, 87-97.	11.0	28
22	Shortwave Infrared Imaging Spectroscopy for Analysis of Ancient Paintings. Applied Spectroscopy, 2017, 71, 977-987.	2.2	33
23	Exploring the Potential of Spectral Classification in Estimation of Soil Contaminant Elements. Remote Sensing, 2017, 9, 632.	4.0	20
24	Monitoring and Assessing the 2012 Drought in the Great Plains: Analyzing Satellite-Retrieved Solar-Induced Chlorophyll Fluorescence, Drought Indices, and Gross Primary Production. Remote Sensing, 2016, 8, 61.	4.0	85
25	Evaluation of the Chinese Fine Spatial Resolution Hyperspectral Satellite TianGong-1 in Urban Land-Cover Classification. Remote Sensing, 2016, 8, 438.	4.0	29
26	A Modified Locality-Preserving Projection Approach for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1059-1063.	3.1	38
27	Selecting photovoltaic generation sites in Tibet using remote sensing and geographic analysis. Solar Energy, 2016, 133, 85-93.	6.1	39
28	Development of a Portable Field Imaging Spectrometer: Application for the Identification of Sun-Dried and Sulfur-Fumigated Chinese Herbals. Applied Spectroscopy, 2016, 70, 879-887.	2.2	19
29	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. ISPRS International Journal of Geo-Information, 2015, 4, 2542-2560.	2.9	7
30	Comparison of the Continuity of Vegetation Indices Derived from Landsat 8 OLI and Landsat 7 ETM+ Data among Different Vegetation Types. Remote Sensing, 2015, 7, 13485-13506.	4.0	50
31	An Analysis of Shadow Effects on Spectral Vegetation Indexes Using a Ground-Based Imaging Spectrometer. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2188-2192.	3.1	61
32	Evaluation of Multiple Spring Phenological Indicators of Yearly GPP and NEP at Three Canadian Forest Sites. Remote Sensing, 2014, 6, 1991-2007.	4.0	1
33	Laboratory Calibration of a Field Imaging Spectrometer System. Sensors, 2011, 11, 2408-2425.	3.8	76
34	Research and application of multi-angle polarization characteristics of water body mirror reflection. Science in China Series D: Earth Sciences, 2007, 50, 946-952.	0.9	7