

# Yongxue Liu

## List of Publications by Year in descending order

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115  
papers

3,524  
citations

136950

32  
h-index

149698

56  
g-index

115  
all docs

115  
docs citations

115  
times ranked

3648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrimination of Biomass-Burning Smoke From Clouds Over the Ocean Using MODIS Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-10.	6.3	0
2	Stability evaluation of tidal flats based on time-series satellite images: A case study of the Jiangsu central coast, China. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 264, 107697.	2.1	10
3	Overwintering fires rising in eastern Siberia. <i>Environmental Research Letters</i> , 2022, 17, 045005.	5.2	16
4	Optical quantification of oil emulsions in multi-band coarse-resolution imagery using a lab-derived HSV model. <i>Marine Pollution Bulletin</i> , 2022, 178, 113640.	5.0	6
5	Chronic oiling in global oceans. <i>Science</i> , 2022, 376, 1300-1304.	12.6	76
6	Evaluation of China's High-Speed Rail Station Development and Nearby Human Activity Based on Nighttime Light Images. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 557.	2.6	3
7	Optical Remote Sensing of Oil Spills in the Ocean: What Is Really Possible?. <i>Journal of Remote Sensing</i> , 2021, 2021, .	6.7	41
8	River body extraction from sentinel-2A/B MSI images based on an adaptive multi-scale region growth method. <i>Remote Sensing of Environment</i> , 2021, 255, 112297.	11.0	23
9	Plant species classification in salt marshes using phenological parameters derived from Sentinel-2 pixel-differential time-series. <i>Remote Sensing of Environment</i> , 2021, 256, 112320.	11.0	52
10	Detecting high-temperature anomalies from Sentinel-2 MSI images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 177, 174-193.	11.1	16
11	Quantifying ocean surface oil thickness using thermal remote sensing. <i>Remote Sensing of Environment</i> , 2021, 261, 112513.	11.0	21
12	A Quick Band-to-Band Mis-Registration Detection Method for Sentinel-2 MSI Images. <i>Remote Sensing</i> , 2021, 13, 3351.	4.0	2
13	Active Fire Dynamics in the Amazon: New Perspectives From High-Resolution Satellite Observations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093789.	4.0	8
14	Satellite Observation of the Marine Light-Fishing and Its Dynamics in the South China Sea. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1394.	2.6	6
15	Proliferation of offshore wind farms in the North Sea and surrounding waters revealed by satellite image time series. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110167.	16.4	18
16	Trajectory of coastal wetland vegetation in Xiangshan Bay, China, from image time series. <i>Marine Pollution Bulletin</i> , 2020, 160, 111697.	5.0	16
17	Estimating offshore oil production using DMSP-OLS annual composites. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 165, 152-171.	11.1	9
18	Optical interpretation of oil emulsions in the ocean " Part II: Applications to multi-band coarse-resolution imagery. <i>Remote Sensing of Environment</i> , 2020, 242, 111778.	11.0	43

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19	Global proliferation of offshore gas flaring areas. <i>Journal of Maps</i> , 2020, 16, 396-404.	2.0	13
20	A Predictive Strategy for Mapping Locations Where Future MOSSFA Events Are Expected. , 2020, , 355-368.		3
21	Space eye on flying aircraft: From Sentinel-2 MSI parallax to hybrid computing. <i>Remote Sensing of Environment</i> , 2020, 246, 111867.	11.0	16
22	Onshore-offshore wind energy resource evaluation based on synergetic use of multiple satellite data and meteorological stations in Jiangsu Province, China. <i>Frontiers of Earth Science</i> , 2019, 13, 132-150.	2.1	22
23	Understanding the Spatial-Temporal Patterns and Influential Factors on Air Quality Index: The Case of North China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2820.	2.6	19
24	Coral reef geomorphology of the Spratly Islands: A simple method based on time-series of Landsat-8 multi-band inundation maps. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 157, 137-154.	11.1	29
25	Optical interpretation of oil emulsions in the ocean “ Part I: Laboratory measurements and proof-of-concept with AVIRIS observations. <i>Remote Sensing of Environment</i> , 2019, 230, 111183.	11.0	46
26	Spatiotemporal variation and socioeconomic drivers of air pollution in China during 2005“2016. <i>Journal of Environmental Management</i> , 2019, 245, 66-75.	7.8	98
27	Using Time-Series HSI Mapping to Determine Ecological Processes and Driving Forces of Red-Crowned Crane ( <i>Grus japonensis</i> ) Habitat in the Yancheng Biosphere Reserve (China). <i>Journal of Coastal Research</i> , 2019, 35, 322.	0.3	3
28	Evolution of the topography of tidal flats and sandbanks along the Jiangsu coast from 1973 to 2016 observed from satellites. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 150, 27-43.	11.1	49
29	Seasonal and Intra-Annual Patterns of Sedimentary Evolution in Tidal Flats Impacted by Laver Cultivation along the Central Jiangsu Coast, China. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 522.	2.5	5
30	Morphological Characteristics of Tidal Creeks in the Central Coastal Region of Jiangsu, China, Using LiDAR. <i>Remote Sensing</i> , 2019, 11, 2426.	4.0	15
31	Geometric accuracy of remote sensing images over oceans: The use of global offshore platforms. <i>Remote Sensing of Environment</i> , 2019, 222, 244-266.	11.0	25
32	Uncertainty in the optical remote estimation of the biomass of <i>Ulva prolifera</i> macroalgae using MODIS imagery in the Yellow Sea. <i>Optics Express</i> , 2019, 27, 18620.	3.4	11
33	Assessment of offshore oil/gas platform status in the northern Gulf of Mexico using multi-source satellite time-series images. <i>Remote Sensing of Environment</i> , 2018, 208, 63-81.	11.0	32
34	Tracking an Oil Tanker Collision and Spilled Oils in the East China Sea Using Multisensor Day and Night Satellite Imagery. <i>Geophysical Research Letters</i> , 2018, 45, 3212-3220.	4.0	52
35	Identifying industrial heat sources using time-series of the VIIRS Nightfire product with an object-oriented approach. <i>Remote Sensing of Environment</i> , 2018, 204, 347-365.	11.0	62
36	Determining spectral groups to distinguish oil emulsions from Sargassum over the Gulf of Mexico using an airborne imaging spectrometer. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 146, 251-259.	11.1	24

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37	Evolution of Landscape Ecological Risk at the Optimal Scale: A Case Study of the Open Coastal Wetlands in Jiangsu, China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1691.	2.6	54
38	Distinguishing Anthropogenic CO <sub>2</sub> Emissions From Different Energy Intensive Industrial Sources Using OCO <sub>2</sub> Observations: A Case Study in Northern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9462-9473.	3.3	36
39	Potential Impacts of China 2030 High-Speed Rail Network on Ground Transportation Accessibility. <i>Sustainability</i> , 2018, 10, 1270.	3.2	31
40	An alternative approach to determine critical angle of contrast reversal and surface roughness of oil slicks under sunglint. <i>International Journal of Digital Earth</i> , 2018, 11, 972-979.	3.9	10
41	A study of the environmental factors influencing the growth phases of <i>Ulva prolifera</i> in the southern Yellow Sea, China. <i>Marine Pollution Bulletin</i> , 2018, 135, 1016-1025.	5.0	30
42	Classification mapping of salt marsh vegetation by flexible monthly NDVI time-series using Landsat imagery. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 213, 61-80.	2.1	69
43	Identification of typical diurnal patterns for clear-sky climatology of surface urban heat islands. <i>Remote Sensing of Environment</i> , 2018, 217, 203-220.	11.0	80
44	Refined use of AISA band-differences for oil slick identification beyond brightness contrast reversal under sunglint. <i>Optics Express</i> , 2018, 26, 33748.	3.4	4
45	Thermal Infrared Contrast Between Different Types of Oil Slicks on Top of Water Bodies. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 1042-1045.	3.1	8
46	Using remote sensing to detect the polarized sunglint reflected from oil slicks beyond the critical angle. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6342-6354.	2.6	16
47	Positive or Negative? Urbanization-Induced Variations in Diurnal Skin-Surface Temperature Range Detected Using Satellite Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,229.	3.3	11
48	A review of supervised object-based land-cover image classification. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 130, 277-293.	11.1	620
49	Saltmarshes Response to Human Activities on a Prograding Coast Revealed by a Dual-Scale Time-Series Strategy. <i>Estuaries and Coasts</i> , 2017, 40, 522-539.	2.2	11
50	Automated Extraction and Mapping for Desert Wadis from Landsat Imagery in Arid West Asia. <i>Remote Sensing</i> , 2016, 8, 246.	4.0	6
51	Survey of reefs based on Landsat 8 operational land imager (OLI) images in the Nansha Islands, South China Sea. <i>Acta Oceanologica Sinica</i> , 2016, 35, 11-19.	1.0	11
52	A strategy for parallelising polygon rasterisation algorithms using multi-core CPUs. <i>Journal of Spatial Science</i> , 2016, 61, 47-68.	1.5	5
53	Hierarchical Filtering Strategy for Registration of Remote Sensing Images of Coral Reefs. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 3304-3313.	4.9	4
54	Accessibility impact of the present and future high-speed rail network: A case study of Jiangsu Province, China. <i>Journal of Transport Geography</i> , 2016, 54, 161-172.	5.0	94

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55	Satellite data lift the veil on offshore platforms in the South China Sea. <i>Scientific Reports</i> , 2016, 6, 33623.	3.3	12
56	Use of isochrone maps to assess the impact of high-speed rail network development on journey times: a case study of Nanjing city, Jiangsu province, China. <i>Journal of Maps</i> , 2016, 12, 514-519.	2.0	6
57	Automatic extraction of offshore platforms using time-series Landsat-8 Operational Land Imager data. <i>Remote Sensing of Environment</i> , 2016, 175, 73-91.	11.0	37
58	Erosion and deposition within Poyang Lake: evidence from a decade of satellite data. <i>Journal of Great Lakes Research</i> , 2016, 42, 364-374.	1.9	18
59	Classification mapping and species identification of salt marshes based on a short-time interval NDVI time-series from HJ-1 optical imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 45, 27-41.	2.8	46
60	River Detection in Remotely Sensed Imagery Using Gabor Filtering and Path Opening. <i>Remote Sensing</i> , 2015, 7, 8779-8802.	4.0	50
61	Training set size, scale, and features in Geographic Object-Based Image Analysis of very high resolution unmanned aerial vehicle imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 102, 14-27.	11.1	164
62	Analysis of Jiangsu tidal flats reclamation from 1974 to 2012 using remote sensing. <i>China Ocean Engineering</i> , 2015, 29, 143-154.	1.6	25
63	Urban land growth in eastern China: a general analytical framework based on the role of urban micro-agents's adaptive behavior. <i>Regional Environmental Change</i> , 2015, 15, 695-707.	2.9	7
64	Automated extraction of tidal creeks from airborne laser altimetry data. <i>Journal of Hydrology</i> , 2015, 527, 1006-1020.	5.4	21
65	Robustness assessment of urban rail transit based on complex network theory: A case study of the Beijing Subway. <i>Safety Science</i> , 2015, 79, 149-162.	4.9	199
66	Landsat 8 OLI image based terrestrial water extraction from heterogeneous backgrounds using a reflectance homogenization approach. <i>Remote Sensing of Environment</i> , 2015, 171, 14-32.	11.0	123
67	Data decomposition method for parallel polygon rasterization considering load balancing. <i>Computers and Geosciences</i> , 2015, 85, 196-209.	4.2	7
68	River Delineation from Remotely Sensed Imagery Using a Multi-Scale Classification Approach. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 4726-4737.	4.9	36
69	The reconstruction of abnormal segments in HJ-1A/B NDVI time series using MODIS: a statistical method. <i>International Journal of Remote Sensing</i> , 2014, 35, 7991-8007.	2.9	4
70	Study on water conservation value assessment of land ecosystems in Guanzhong-Tianshui Economic Zone. , 2014, , .		0
71	Evaluation of wind energy resources and wind power generation based on SAR-retrieved wind in the eastern sea area of Yancheng, Jiangsu, China. , 2014, , .		0
72	Automatic coral island segmentation based on region-based multi-phase level set method: A case study on Pattle Island, South China Sea. , 2014, , .		0

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73	Safety assessment of shipping routes in the South China Sea based on the fuzzy analytic hierarchy process. <i>Safety Science</i> , 2014, 62, 46-57.	4.9	95
74	Automatic Registration of Coastal Remotely Sensed Imagery by Affine Invariant Feature Matching with Shoreline Constraint. <i>Marine Geodesy</i> , 2014, 37, 32-46.	2.0	8
75	Parallel relative radiometric normalisation for remote sensing image mosaics. <i>Computers and Geosciences</i> , 2014, 73, 28-36.	4.2	29
76	Spatiotemporal dynamics of the urban sprawl in a typical urban agglomeration: a case study on Southern Jiangsu, China (1983â€“2007). <i>Frontiers of Earth Science</i> , 2014, 8, 490-504.	2.1	22
77	Extraction of mangrove in Hainan Dongzhai Harbor based on CART decision tree. , 2014, , .		2
78	Seasonal Pattern of Tidal-Flat Topography along the Jiangsu Middle Coast, China, Using HJ-1 Optical Images. <i>Wetlands</i> , 2013, 33, 871-886.	1.5	30
79	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
80	Registration of Mars remote sensing images under the crater constraint. <i>Planetary and Space Science</i> , 2013, 85, 13-23.	1.7	8
81	Integration of LiDAR data and optical multi-view images for 3D reconstruction of building roofs. <i>Optics and Lasers in Engineering</i> , 2013, 51, 493-502.	3.8	42
82	Building region derivation from LiDAR data using a reversed iterative mathematic morphological algorithm. <i>Optics Communications</i> , 2013, 286, 244-250.	2.1	32
83	Using Construction Expansion Regulation Zones to Manage Urban Growth in Hefei City, China. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2013, 139, 62-69.	1.7	24
84	Fusion of laser scanning data and optical high-resolution imagery for accurate building boundary derivation. <i>Journal of Applied Remote Sensing</i> , 2013, 7, 073570.	1.3	2
85	Invariant triangle-based stationary oil platform detection from multitemporal synthetic aperture radar data. <i>Journal of Applied Remote Sensing</i> , 2013, 7, 073537.	1.3	16
86	Semi-Automatic Registration of Airborne and Terrestrial Laser Scanning Data Using Building Corner Matching with Boundaries as Reliability Check. <i>Remote Sensing</i> , 2013, 5, 6260-6283.	4.0	61
87	Quantitative Analysis of the Waterline Method for Topographical Mapping of Tidal Flats: A Case Study in the Dongsha Sandbank, China. <i>Remote Sensing</i> , 2013, 5, 6138-6158.	4.0	42
88	Topographic Mapping of Offshore Sandbank Tidal Flats Using the Waterline Detection Method: A Case Study on the Dongsha Sandbank of Jiangsu Radial Tidal Sand Ridges, China. <i>Marine Geodesy</i> , 2012, 35, 362-378.	2.0	29
89	Thematic maps for county-level land use planning in Contemporary China. <i>Journal of Maps</i> , 2012, 8, 185-188.	2.0	9
90	Remote sensing image matching by integrating affine invariant feature extraction and RANSAC. <i>Computers and Electrical Engineering</i> , 2012, 38, 1023-1032.	4.8	34

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91	Toward a Method of Constructing Tidal Flat Digital Elevation Models with MODIS and Medium-Resolution Satellite Images. Journal of Coastal Research, 2012, 29, 438.	0.3	20
92	Robust segmentation of building points from airborne LiDAR data and imagery. , 2011, , .		3
93	3D Building Model Reconstruction from Multi-view Aerial Imagery and Lidar Data. Photogrammetric Engineering and Remote Sensing, 2011, 77, 125-139.	0.6	96
94	A new method of restoring ETM&#x002B; SLC-off images based on multi-temporal images. , 2011, , .		5
95	A self-adaptive homomorphic filter method for removing thin cloud. , 2011, , .		11
96	Coastline monitoring with CEBERS 02B HR high-resolution data. , 2011, , .		0
97	Extraction of sandbank shoreline of Jiangsu based on wavelet transformation. , 2011, , .		0
98	Dynamic triangle &#x2014; Based method for 3D building rooftop reconstruction from LiDAR data. , 2011, , .		3
99	An image segmentation algorithm for SAR images based on wavelet packets frame transformation. , 2010, , .		2
100	Simulation and modeling of elevation variations of radial sand banks in Jiangsu province based on spatio-temporal correlation analysis. , 2010, , .		0
101	Multi-scale urban land cover extraction based on object oriented analysis. , 2010, , .		0
102	Application of Adaboost based ensemble SVM on IKONOS image classification. , 2010, , .		0
103	Multi-points fast marching: A novel method for road extraction. , 2010, , .		6
104	Automatic waterline pick-up based on improved embedded confidence. , 2010, , .		0
105	Driving forces analysis of land use change/cover in hilly area of western Zhejiang province: A Case Study in Chun'an County. , 2009, , .		0
106	Post-earthquake assessment of building damage degree using LiDAR data and imagery. Science in China Series D: Earth Sciences, 2008, 51, 133-143.	0.9	53
107	Urban land use change detection through spatial statistical analysis using multi-temporal remote sensing data. Proceedings of SPIE, 2008, , .	0.8	0
108	Study on decision-making flow model of high quality prime farmland planning. Proceedings of SPIE, 2008, , .	0.8	0

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109	A fast preprocessing algorithm for massive MODIS 1B data. Proceedings of SPIE, 2007, , .	0.8	1
110	An overview of the methods of GIS-based land-use suitability analysis. Proceedings of SPIE, 2007, 6754, 1110.	0.8	9
111	Research on scenario simulation of land-use planning based on CA model: A case study in Kunming metropolitan area. Proceedings of SPIE, 2007, , .	0.8	0
112	Tidal flat stability analysis based on GIS & RS technology: a case study in Dongsha sandbank, offshore the coast of Jiangsu province. , 2007, , .		1
113	Multi-flow direction algorithms for extracting drainage network based on digital elevation model. , 2007, , .		1
114	Classification of Landsat 7 ETM+ imagery in western mountainous area of Zhejiang based on gray-gradient co-concurrency matrix. Proceedings of SPIE, 2007, , .	0.8	0
115	Review of remotely sensed imagery classification patterns based on object-oriented image analysis. Chinese Geographical Science, 2006, 16, 282-288.	3.0	35