

Manchun Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113
papers

2,419
citations

26
h-index

46
g-index

133
ext. papers

3,058
ext. citations

4.3
avg, IF

5.43
L-index

#	Paper	IF	Citations
113	A review of supervised object-based land-cover image classification. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017 , 130, 277-293	11.8	429
112	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	11.8	139
111	A systematic comparison of different object-based classification techniques using high spatial resolution imagery in agricultural environments. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016 , 49, 87-98	7.3	128
110	Evaluation of Feature Selection Methods for Object-Based Land Cover Mapping of Unmanned Aerial Vehicle Imagery Using Random Forest and Support Vector Machine Classifiers. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 51	2.9	121
109	Registration of Laser Scanning Point Clouds: A Review. <i>Sensors</i> , 2018 , 18,	3.8	82
108	Spatial and temporal distribution of rainfall and drought characteristics across the Pearl River basin. <i>Science of the Total Environment</i> , 2018 , 619-620, 28-41	10.2	65
107	Extending the SLEUTH model to integrate habitat quality into urban growth simulation. <i>Journal of Environmental Management</i> , 2018 , 217, 486-498	7.9	59
106	Object-Based Change Detection in Urban Areas: The Effects of Segmentation Strategy, Scale, and Feature Space on Unsupervised Methods. <i>Remote Sensing</i> , 2016 , 8, 761	5	58
105	Extraction of Urban Power Lines from Vehicle-Borne LiDAR Data. <i>Remote Sensing</i> , 2014 , 6, 3302-3320	5	54
104	Analysis of landscape fragmentation processes and driving forces in wetlands in arid areas: A case study of the middle reaches of the Heihe River, China. <i>Ecological Indicators</i> , 2014 , 46, 240-252	5.8	51
103	Post-earthquake assessment of building damage degree using LiDAR data and imagery. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 133-143		44
102	A Novel Wrapper Approach for Feature Selection in Object-Based Image Classification Using Polygon-Based Cross-Validation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 409-413	4.1	41
101	Building a Series of Consistent Night-Time Light Data (1992-2018) in Southeast Asia by Integrating DMSP-OLS and NPP-VIIRS. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 1843-1856	8.1	41
100	Impacts of LUCC on soil properties in the riparian zones of desert oasis with remote sensing data: a case study of the middle Heihe River basin, China. <i>Science of the Total Environment</i> , 2015 , 506-507, 259-71	10.2	40
99	Multiscale Grid Method for Detection and Reconstruction of Building Roofs from Airborne LiDAR Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 4081-4094	4.7	39
98	River Detection in Remotely Sensed Imagery Using Gabor Filtering and Path Opening. <i>Remote Sensing</i> , 2015 , 7, 8779-8802	5	39
97	Using convolutional neural network to identify irregular segmentation objects from very high-resolution remote sensing imagery. <i>Journal of Applied Remote Sensing</i> , 2018 , 12, 1	1.4	39

96	Quantitative risk analysis of urban natural gas pipeline networks using geographical information systems. <i>Journal of Loss Prevention in the Process Industries</i> , 2013 , 26, 1183-1192	3.5	38
95	A Caution on the Use of Surface Digital Elevation Models to Simulate Supraglacial Hydrology of the Greenland Ice Sheet. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 5212-5224	4.7	32
94	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	5	32
93	Making Landsat Time Series Consistent: Evaluating and Improving Landsat Analysis Ready Data. <i>Remote Sensing</i> , 2019 , 11, 51	5	32
92	Calibrating a cellular automata model for understanding rural-urban land conversion: a Pareto front-based multi-objective optimization approach. <i>International Journal of Geographical Information Science</i> , 2014 , 28, 1028-1046	4.1	31
91	Constructing Ecological Networks Based on Habitat Quality Assessment: A Case Study of Changzhou, China. <i>Scientific Reports</i> , 2017 , 7, 46073	4.9	26
90	Use of Tencent Street View Imagery for Visual Perception of Streets. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 265	2.9	26
89	Analysis of farmland fragmentation in China Modernization Demonstration Zone since "Reform and Openness": a case study of South Jiangsu Province. <i>Scientific Reports</i> , 2015 , 5, 11797	4.9	26
88	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	4.7	26
87	Building Point Detection from Vehicle-Borne LiDAR Data Based on Voxel Group and Horizontal Hollow Analysis. <i>Remote Sensing</i> , 2016 , 8, 419	5	26
86	Using Urban Development Boundaries to Constrain Uncontrolled Urban Sprawl in China. <i>Annals of the American Association of Geographers</i> , 2016 , 106, 1321-1343	2.6	25
85	Using Octrees to Detect Changes to Buildings and Trees in the Urban Environment from Airborne LiDAR Data. <i>Remote Sensing</i> , 2015 , 7, 9682-9704	5	25
84	Fluvial morphometry of supraglacial river networks on the southwest Greenland Ice Sheet. <i>GIScience and Remote Sensing</i> , 2016 , 53, 459-482	4.8	24
83	Fire spread simulation using GIS: Aiming at urban natural gas pipeline. <i>Safety Science</i> , 2015 , 75, 23-35	5.8	24
82	Cultivated land information extraction from high-resolution unmanned aerial vehicle imagery data. <i>Journal of Applied Remote Sensing</i> , 2014 , 8, 083673	1.4	22
81	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	2.2	21
80	Using big data to track marine oil transportation along the 21st-century Maritime Silk Road. <i>Science China Technological Sciences</i> , 2019 , 62, 677-686	3.5	21
79	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	1.2	20

78	A novel method of quantitative risk assessment based on grid difference of pipeline sections. <i>Safety Science</i> , 2013 , 59, 219-226	5.8	19
77	Change Detection in Coral Reef Environment Using High-Resolution Images: Comparison of Object-Based and Pixel-Based Paradigms. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 441	2.9	19
76	The causes of farmland landscape structural changes in different geographical environments. <i>Science of the Total Environment</i> , 2019 , 685, 667-680	10.2	18
75	Using unmanned aerial vehicle for remote sensing application 2013 ,		17
74	Hierarchical Registration Method for Airborne and Vehicle LiDAR Point Cloud. <i>Remote Sensing</i> , 2015 , 7, 13921-13944	5	16
73	Mapping Urban Areas Using a Combination of Remote Sensing and Geolocation Data. <i>Remote Sensing</i> , 2019 , 11, 1470	5	15
72	Automated High-Resolution Satellite Image Registration Using Supraglacial Rivers on the Greenland Ice Sheet. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 845-856	4.7	15
71	Rainfall seasonality changes and its possible teleconnections with global climate events in China. <i>Climate Dynamics</i> , 2019 , 53, 3529-3546	4.2	14
70	Accuracy Improvements to Pixel-Based and Object-Based LULC Classification with Auxiliary Datasets from Google Earth Engine. <i>Remote Sensing</i> , 2021 , 13, 453	5	14
69	Integrating Island Spatial Information and Integer Optimization for Locating Maritime Search and Rescue Bases: A Case Study in the South China Sea. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 88	2.9	13
68	Active learning for object-based image classification using predefined training objects. <i>International Journal of Remote Sensing</i> , 2018 , 39, 2746-2765	3.1	12
67	Technical Framework for Shallow-Water Bathymetry With High Reliability and No Missing Data Based on Time-Series Sentinel-2 Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 8745-8763	8.1	12
66	Decreasing Net Primary Productivity in Response to Urbanization in Liaoning Province, China. <i>Sustainability</i> , 2017 , 9, 162	3.6	12
65	Demarcation of Prime Farmland Protection Areas around a Metropolis Based on High-Resolution Satellite Imagery. <i>Scientific Reports</i> , 2016 , 6, 37634	4.9	12
64	Developing Planning Measures to Preserve Farmland: A Case Study from China. <i>Sustainability</i> , 2015 , 7, 13011-13028	3.6	11
63	Shiftable Leading Point Method for High Accuracy Registration of Airborne and Terrestrial LiDAR Data. <i>Remote Sensing</i> , 2015 , 7, 1915-1936	5	10
62	Assessing potential ecosystem service dynamics driven by urbanization in the Yangtze River Economic Belt, China. <i>Journal of Environmental Management</i> , 2021 , 292, 112734	7.9	10
61	Automated Extraction of Built-Up Areas by Fusing VIIRS Nighttime Lights and Landsat-8 Data. <i>Remote Sensing</i> , 2019 , 11, 1571	5	9

60	Integration of Hyperspectral Imagery and Sparse Sonar Data for Shallow Water Bathymetry Mapping. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 3235-3249	8.1	9
59	Thematic maps for county-level land use planning in Contemporary China. <i>Journal of Maps</i> , 2012 , 8, 185-188		9
58	Crowd-sourced pictures geo-localization method based on street view images and 3D reconstruction. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 141, 72-85	11.8	8
57	Characterization of air pollution in urban areas of Yangtze River Delta, China. <i>Chinese Geographical Science</i> , 2017 , 27, 836-846	2.9	8
56	LiDAR-based three-dimensional street landscape indices for urban habitability. <i>Earth Science Informatics</i> , 2017 , 10, 457-470	2.5	8
55	Quota Restrictions on Land Use for Decelerating Urban Sprawl of Mega City: A Case Study of Shanghai, China. <i>Sustainability</i> , 2016 , 8, 968	3.6	8
54	Integration of LiDAR Data and Orthophoto for Automatic Extraction of Parking Lot Structure. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 503-514	4.7	7
53	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	7
52	A Parallel Scheme for Large-scale Polygon Rasterization on CUDA-enabled GPUs. <i>Transactions in GIS</i> , 2017 , 21, 608-631	2.1	6
51	Urban land growth in eastern China: a general analytical framework based on the role of urban micro-agents adaptive behavior. <i>Regional Environmental Change</i> , 2015 , 15, 695-707	4.3	6
50	Registration of Mars remote sensing images under the crater constraint. <i>Planetary and Space Science</i> , 2013 , 85, 13-23	2	6
49	Multi-points fast marching: A novel method for road extraction 2010 ,		6
48	A self-adaptive homomorphic filter method for removing thin cloud 2011 ,		6
47	A green view index for urban transportation: How much greenery do we view while moving around in cities?. <i>International Journal of Sustainable Transportation</i> , 2020 , 14, 972-989	3.6	6
46	Validation of Global Airport Spatial Locations From Open Databases Using Deep Learning for Runway Detection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 1120-1131	4.7	6
45	Spatial Patterns of Satellite-Retrieved PM and Long-Term Exposure Assessment of China from 1998 to 2016. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	6
44	A parallel method to accelerate spatial operations involving polygon intersections. <i>International Journal of Geographical Information Science</i> , 2018 , 32, 2402-2426	4.1	6
43	Data decomposition method for parallel polygon rasterization considering load balancing. <i>Computers and Geosciences</i> , 2015 , 85, 196-209	4.5	5

42	Hierarchical Classification of Urban ALS Data by Using Geometry and Intensity Information. <i>Sensors</i> , 2019 , 19,	3.8	5
41	Seasonal evolution of supraglacial lakes and rivers on the southwest Greenland Ice Sheet. <i>Journal of Glaciology</i> ,1-11	3.4	5
40	Coupling urban 3-D information and circuit theory to advance the development of urban ecological networks. <i>Conservation Biology</i> , 2021 , 35, 1140-1150	6	5
39	Estimating the impact of ground ozone concentrations on crop yields across China from 2014 to 2018: A multi-model comparison. <i>Environmental Pollution</i> , 2021 , 283, 117099	9.3	5
38	Automatic Registration of Coastal Remotely Sensed Imagery by Affine Invariant Feature Matching with Shoreline Constraint. <i>Marine Geodesy</i> , 2014 , 37, 32-46	1.2	4
37	Estimation of Ground PM Concentrations using a DEM-assisted Information Diffusion Algorithm: A Case Study in China. <i>Scientific Reports</i> , 2017 , 7, 15556	4.9	4
36	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	3.1	4
35	A new method of restoring ETM+ SLC-off images based on multi-temporal images 2011 ,		4
34	A strategy for parallelising polygon rasterisation algorithms using multi-core CPUs. <i>Journal of Spatial Science</i> , 2016 , 61, 47-68	1.6	4
33	A topology-preserving polygon rasterization algorithm. <i>Cartography and Geographic Information Science</i> , 2018 , 45, 495-509	2.1	4
32	Illegal land use risk assessment of Shenzhen City, China. <i>Journal of Maps</i> , 2015 , 11, 798-805	2.2	3
31	Oil Flow Analysis in the Maritime Silk Road Region Using AIS Data. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 265	2.9	3
30	Robust segmentation of building points from airborne LiDAR data and imagery 2011 ,		3
29	Incorporating ecosystem services to assess progress towards sustainable development goals: A case study of the Yangtze River Economic Belt, China. <i>Science of the Total Environment</i> , 2022 , 806, 151277	10.2	3
28	Land-type mapping and its application to land-use zoning: a case study of Jiangsu province, eastern China. <i>Journal of Maps</i> , 2020 , 16, 847-854	2.2	3
27	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	4.7	3
26	A multi-scalar evaluation of differential impacts of canonical ENSO and ENSO Modoki on drought in China. <i>International Journal of Climatology</i> , 2019 , 39, 1985-2004	3.5	3
25	CART-RF Classification with Multifilter for Monitoring Land Use Changes Based on MODIS Time-Series Data: A Case Study from Jiangsu Province, China. <i>Sustainability</i> , 2019 , 11, 5657	3.6	3

24	Mapping Impacts of Human Activities from Nighttime Light on Vegetation Cover Changes in Southeast Asia. <i>Land</i> , 2021 , 10, 185	3.5	3
23	Simulation and estimation of future precipitation changes in arid regions: a case study of Xinjiang, Northwest China. <i>Climatic Change</i> , 2021 , 167, 1	4.5	3
22	Spatial analysis and evaluation of medical resource allocation in China based on geographic big data. <i>BMC Health Services Research</i> , 2021 , 21, 1084	2.9	2
21	Diverse supraglacial drainage patterns on the Devon ice Cap, Arctic Canada. <i>Journal of Maps</i> , 2020 , 16, 834-846	2.2	2
20	Transnational Accessibility between Residential Areas Based on Multimodal Transport System. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 136	2.9	2
19	A Modified Self-adaptive Method for Mapping Annual 30-m Land Use/Land Cover Using Google Earth Engine: A Case Study of Yangtze River Delta. <i>Chinese Geographical Science</i> , 2021 , 31, 782-794	2.9	2
18	Advances of Local Climate Zone Mapping and Its Practice Using Object-Based Image Analysis. <i>Atmosphere</i> , 2021 , 12, 1146	2.7	2
17	Integrating a deep forest algorithm with vector-based cellular automata for urban land change simulation. <i>Transactions in GIS</i> ,	2.1	2
16	Adaptable parallel strategy to extract polygons from massive classified images on multi-core clusters. <i>Concurrency Computation Practice and Experience</i> , 2017 , 29, e3861	1.4	1
15	A new method for remote sensing image matching by integrating affine invariant feature extraction and RANSAC 2010 ,		1
14	Evaluation of spatial accessibility to town and rural in a GIS environment: A case study of Dachang County 2011 ,		1
13	A methodology for balancing the preservation of area, shape, and topological properties in polygon-to-raster conversion. <i>Cartography and Geographic Information Science</i> ,1-19	2.1	1
12	Application of Ecosystem Service Bundles and Tour Experience in Land Use Management: A Case Study of Xiaohuangshan Mountain (China). <i>Remote Sensing</i> , 2021 , 13, 242	5	1
11	A systematic parallel strategy for generating contours from large-scale DEM data using collaborative CPUs and GPUs. <i>Cartography and Geographic Information Science</i> , 2021 , 48, 187-209	2.1	1
10	Response of local temperature variation to land cover and land use intensity changes in China over the last 30 years. <i>Climatic Change</i> , 2021 , 164, 1	4.5	1
9	Framework for Automatic Coral Reef Extraction Using Sentinel-2 Image Time Series. <i>Marine Geodesy</i> ,1-37	1.2	1
8	Causation inference in complicated atmospheric environment.. <i>Environmental Pollution</i> , 2022 , 119057	9.3	0
7	Improving and evaluating boundary algebra filling for identifying polygon intersections. <i>Earth Science Informatics</i> , 2019 , 12, 581-597	2.5	

- 6 Autonomic visiting in digital 3D scenes. *Earth Science Informatics*, **2016**, 9, 383-400 2.5
- 5 Small core, big network: a comprehensive approach to GIS teaching practice based on digital three-dimensional campus reconstruction. *Journal of Geography in Higher Education*, **2014**, 38, 119-135 1.6
- 4 Spatial planning zoning based on land-type mapping: a case study in Changzhou City, Eastern China. *Journal of Land Use Science*, **2021**, 16, 498-521 2.7
- 3 Changes in local climatic factors under different oasis-town configurations in an arid region: a case study of Hami Oasis. *Climatic Change*, **2020**, 161, 517-534 4.5
- 2 Measuring Ice Flow Velocity on the Greenland Ice Sheet Using Stable Supraglacial River. *IEEE Geoscience and Remote Sensing Letters*, **2020**, 1-5 4.1
- 1 Performance evaluation of spatial indexing to identify polygon intersection. *Geocarto International*, **2020**, 35, 1850-1872 2.7