

Manchun Li

List of Publications by Year in descending order

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Version: 2024-02-01

132
papers

3,778
citations

136950
32
h-index

144013
57
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133
all docs

133
docs citations

133
times ranked

4068
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring Ice Flow Velocity on the Greenland Ice Sheet Using Stable Supraglacial River. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	0
2	Incorporating ecosystem services to assess progress towards sustainable development goals: A case study of the Yangtze River Economic Belt, China. Science of the Total Environment, 2022, 806, 151277.	8.0	47
3	Supraglacial Drainage Efficiency of the Greenland Ice Sheet Estimated From Remote Sensing and Climate Models. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	2.8	4
4	Framework for Automatic Coral Reef Extraction Using Sentinel-2 Image Time Series. Marine Geodesy, 2022, 45, 195-231.	2.0	1
5	Causation inference in complicated atmospheric environment. Environmental Pollution, 2022, 303, 119057.	7.5	5
6	Integrating a deep forest algorithm with vector-based cellular automata for urban land change simulation. Transactions in GIS, 2022, 26, 2056-2080.	2.3	8
7	Mapping large area tea plantations using progressive random forest and Google Earth Engine. Journal of Applied Remote Sensing, 2022, 16, .	1.3	2
8	Direct and indirect impacts of urbanization on vegetation growth across the world's cities. Science Advances, 2022, 8, .	10.3	80
9	Validation of Global Airport Spatial Locations From Open Databases Using Deep Learning for Runway Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1120-1131.	4.9	11
10	Application of Ecosystem Service Bundles and Tour Experience in Land Use Management: A Case Study of Xiaohuangshan Mountain (China). Remote Sensing, 2021, 13, 242.	4.0	3
11	Accuracy Improvements to Pixel-Based and Object-Based LULC Classification with Auxiliary Datasets from Google Earth Engine. Remote Sensing, 2021, 13, 453.	4.0	48
12	Coupling urban 3D information and circuit theory to advance the development of urban ecological networks. Conservation Biology, 2021, 35, 1140-1150.	4.7	20
13	A systematic parallel strategy for generating contours from large-scale DEM data using collaborative CPUs and GPUs. Cartography and Geographic Information Science, 2021, 48, 187-209.	3.0	2
14	Response of local temperature variation to land cover and land use intensity changes in China over the last 30 years. Climatic Change, 2021, 164, 1.	3.6	4
15	Mapping Impacts of Human Activities from Nighttime Light on Vegetation Cover Changes in Southeast Asia. Land, 2021, 10, 185.	2.9	3
16	Transnational Accessibility between Residential Areas Based on Multimodal Transport System. ISPRS International Journal of Geo-Information, 2021, 10, 136.	2.9	3
17	Seasonal evolution of supraglacial lakes and rivers on the southwest Greenland Ice Sheet. Journal of Glaciology, 2021, 67, 592-602.	2.2	15
18	Simulation and estimation of future precipitation changes in arid regions: a case study of Xinjiang, Northwest China. Climatic Change, 2021, 167, 1.	3.6	6

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19	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.	7.5	19
20	Assessing potential ecosystem service dynamics driven by urbanization in the Yangtze River Economic Belt, China. <i>Journal of Environmental Management</i> , 2021, 292, 112734.	7.8	34
21	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.	3.0	6
22	Advances of Local Climate Zone Mapping and Its Practice Using Object-Based Image Analysis. <i>Atmosphere</i> , 2021, 12, 1146.	2.3	13
23	Spatial analysis and evaluation of medical resource allocation in China based on geographic big data. <i>BMC Health Services Research</i> , 2021, 21, 1084.	2.2	29
24	Spatial planning zoning based on land-type mapping: a case study in Changzhou City, Eastern China. <i>Journal of Land Use Science</i> , 2021, 16, 498-521.	2.2	1
25	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.	4.1	17
26	Performance evaluation of spatial indexing to identify polygon intersection. <i>Geocarto International</i> , 2020, 35, 1850-1872.	3.5	1
27	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.	6.3	100
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.	2.0	9
29	Diverse supraglacial drainage patterns on the Devon ice Cap, Arctic Canada. <i>Journal of Maps</i> , 2020, 16, 834-846.	2.0	8
30	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	8
31	Changes in local climatic factors under different oasis-town configurations in an arid region: a case study of Hami Oasis. <i>Climatic Change</i> , 2020, 161, 517-534.	3.6	0
32	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.	6.3	20
33	Mapping Urban Areas Using a Combination of Remote Sensing and Geolocation Data. <i>Remote Sensing</i> , 2019, 11, 1470.	4.0	25
34	Automated Extraction of Built-Up Areas by Fusing VIIRS Nighttime Lights and Landsat-8 Data. <i>Remote Sensing</i> , 2019, 11, 1571.	4.0	19
35	Hierarchical Classification of Urban ALS Data by Using Geometry and Intensity Information. <i>Sensors</i> , 2019, 19, 4583.	3.8	7
36	Improving and evaluating boundary algebra filling for identifying polygon intersections. <i>Earth Science Informatics</i> , 2019, 12, 581-597.	3.2	0

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37	The causes of farmland landscape structural changes in different geographical environments. <i>Science of the Total Environment</i> , 2019, 685, 667-680.	8.0	28
38	Rainfall seasonality changes and its possible teleconnections with global climate events in China. <i>Climate Dynamics</i> , 2019, 53, 3529-3546.	3.8	28
39	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	20
40	A multi-scale 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	6
41	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.	3.2	4
42	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.	4.0	35
43	Making Landsat Time Series Consistent: Evaluating and Improving Landsat Analysis Ready Data. <i>Remote Sensing</i> , 2019, 11, 51.	4.0	51
44	Extending the SLEUTH model to integrate habitat quality into urban growth simulation. <i>Journal of Environmental Management</i> , 2018, 217, 486-498.	7.8	98
45	Active learning for object-based image classification using predefined training objects. <i>International Journal of Remote Sensing</i> , 2018, 39, 2746-2765.	2.9	16
46	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.	11.1	18
47	A topology-preserving polygon rasterization algorithm. <i>Cartography and Geographic Information Science</i> , 2018, 45, 495-509.	3.0	4
48	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.	8.0	110
49	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	24
50	Spatial Patterns of Satellite-Retrieved PM2.5 and Long-Term Exposure Assessment of China from 1998 to 2016. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2785.	2.6	8
51	A parallel method to accelerate spatial operations involving polygon intersections. <i>International Journal of Geographical Information Science</i> , 2018, 32, 2402-2426.	4.8	11
52	Registration of Laser Scanning Point Clouds: A Review. <i>Sensors</i> , 2018, 18, 1641.	3.8	170
53	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.	1.3	54
54	A Parallel Scheme for Large-scale Polygon Rasterization on CUDA-enabled GPUs. <i>Transactions in GIS</i> , 2017, 21, 608-631.	2.3	7

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55	A Novel Wrapper Approach for Feature Selection in Object-Based Image Classification Using Polygon-Based Cross-Validation. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 409-413.	3.1	59
56	Constructing Ecological Networks Based on Habitat Quality Assessment: A Case Study of Changzhou, China. Scientific Reports, 2017, 7, 46073.	3.3	43
57	Characterization of air pollution in urban areas of Yangtze River Delta, China. Chinese Geographical Science, 2017, 27, 836-846.	3.0	12
58	Estimation of Ground PM2.5 Concentrations using a DEM-assisted Information Diffusion Algorithm: A Case Study in China. Scientific Reports, 2017, 7, 15556.	3.3	8
59	LiDAR-based three-dimensional street landscape indices for urban habitability. Earth Science Informatics, 2017, 10, 457-470.	3.2	10
60	A review of supervised object-based land-cover image classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 130, 277-293.	11.1	620
61	Automated High-Resolution Satellite Image Registration Using Supraglacial Rivers on the Greenland Ice Sheet. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 845-856.	4.9	18
62	Adaptable parallel strategy to extract polygons from massive classified images on multi-core clusters. Concurrency Computation Practice and Experience, 2017, 29, e3861.	2.2	3
63	Demarcation of prime farmland protection areas from high-resolution satellite imagery. , 2017, , .		2
64	Decreasing Net Primary Productivity in Response to Urbanization in Liaoning Province, China. Sustainability, 2017, 9, 162.	3.2	27
65	Evaluation of Feature Selection Methods for Object-Based Land Cover Mapping of Unmanned Aerial Vehicle Imagery Using Random Forest and Support Vector Machine Classifiers. ISPRS International Journal of Geo-Information, 2017, 6, 51.	2.9	164
66	Use of Tencent Street View Imagery for Visual Perception of Streets. ISPRS International Journal of Geo-Information, 2017, 6, 265.	2.9	55
67	Building Point Detection from Vehicle-Borne LiDAR Data Based on Voxel Group and Horizontal Hollow Analysis. Remote Sensing, 2016, 8, 419.	4.0	33
68	Object-Based Change Detection in Urban Areas: The Effects of Segmentation Strategy, Scale, and Feature Space on Unsupervised Methods. Remote Sensing, 2016, 8, 761.	4.0	74
69	Quota Restrictions on Land Use for Decelerating Urban Sprawl of Mega City: A Case Study of Shanghai, China. Sustainability, 2016, 8, 968.	3.2	11
70	Demarcation of Prime Farmland Protection Areas around a Metropolis Based on High-Resolution Satellite Imagery. Scientific Reports, 2016, 6, 37634.	3.3	14
71	Survey of reefs based on Landsat 8 operational land imager (OLI) images in the Nansha Islands, South China Sea. Acta Oceanologica Sinica, 2016, 35, 11-19.	1.0	11
72	A strategy for parallelising polygon rasterisation algorithms using multi-core CPUs. Journal of Spatial Science, 2016, 61, 47-68.	1.5	5

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73	Hierarchical Filtering Strategy for Registration of Remote Sensing Images of Coral Reefs. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3304-3313.	4.9	4
74	Using Urban Development Boundaries to Constrain Uncontrolled Urban Sprawl in China. Annals of the American Association of Geographers, 2016, 106, 1321-1343.	2.2	33
75	Autonomic visiting in digital 3D scenes. Earth Science Informatics, 2016, 9, 383-400.	3.2	0
76	Fluvial morphometry of supraglacial river networks on the southwest Greenland Ice Sheet. GIScience and Remote Sensing, 2016, 53, 459-482.	5.9	29
77	A systematic comparison of different object-based classification techniques using high spatial resolution imagery in agricultural environments. International Journal of Applied Earth Observation and Geoinformation, 2016, 49, 87-98.	2.8	141
78	Analysis of farmland fragmentation in China Modernization Demonstration Zone since 1978 Reform and Opening-up: a case study of South Jiangsu Province. Scientific Reports, 2015, 5, 11797.	3.3	41
79	Shiftable Leading Point Method for High Accuracy Registration of Airborne and Terrestrial LiDAR Data. Remote Sensing, 2015, 7, 1915-1936.	4.0	15
80	River Detection in Remotely Sensed Imagery Using Gabor Filtering and Path Opening. Remote Sensing, 2015, 7, 8779-8802.	4.0	50
81	Using Octrees to Detect Changes to Buildings and Trees in the Urban Environment from Airborne LiDAR Data. Remote Sensing, 2015, 7, 9682-9704.	4.0	38
82	Hierarchical Registration Method for Airborne and Vehicle LiDAR Point Cloud. Remote Sensing, 2015, 7, 13921-13944.	4.0	22
83	Developing Planning Measures to Preserve Farmland: A Case Study from China. Sustainability, 2015, 7, 13011-13028.	3.2	13
84	Integration of Hyperspectral Imagery and Sparse Sonar Data for Shallow Water Bathymetry Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3235-3249.	6.3	14
85	A Caution on the Use of Surface Digital Elevation Models to Simulate Supraglacial Hydrology of the Greenland Ice Sheet. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 5212-5224.	4.9	35
86	Training set size, scale, and features in Geographic Object-Based Image Analysis of very high resolution unmanned aerial vehicle imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 102, 14-27.	11.1	164
87	Fire spread simulation using GIS: Aiming at urban natural gas pipeline. Safety Science, 2015, 75, 23-35.	4.9	34
88	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. Science of the Total Environment, 2015, 506-507, 259-271.	8.0	56
89	Urban land growth in eastern China: a general analytical framework based on the role of urban micro-agents' adaptive behavior. Regional Environmental Change, 2015, 15, 695-707.	2.9	7
90	Illegal land use risk assessment of Shenzhen City, China. Journal of Maps, 2015, 11, 798-805.	2.0	6

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91	Data decomposition method for parallel polygon rasterization considering load balancing. Computers and Geosciences, 2015, 85, 196-209.	4.2	7
92	Extraction of Urban Power Lines from Vehicle-Borne LiDAR Data. Remote Sensing, 2014, 6, 3302-3320.	4.0	75
93	River Delineation from Remotely Sensed Imagery Using a Multi-Scale Classification Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4726-4737.	4.9	36
94	Calibrating a cellular automata model for understanding rural-urban land conversion: a Pareto front-based multi-objective optimization approach. International Journal of Geographical Information Science, 2014, 28, 1028-1046.	4.8	37
95	The reconstruction of abnormal segments in HJ-1A/B NDVI time series using MODIS: a statistical method. International Journal of Remote Sensing, 2014, 35, 7991-8007.	2.9	4
96	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.	2.6	0
97	Cultivated land information extraction from high-resolution unmanned aerial vehicle imagery data. Journal of Applied Remote Sensing, 2014, 8, 083673.	1.3	29
98	Process of airborne lidar data for detection of complex overpass. , 2014, , .		1
99	Integration of LiDAR Data and Orthophoto for Automatic Extraction of Parking Lot Structure. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 503-514.	4.9	12
100	Multiscale Grid Method for Detection and Reconstruction of Building Roofs from Airborne LiDAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4081-4094.	4.9	44
101	Automatic Registration of Coastal Remotely Sensed Imagery by Affine Invariant Feature Matching with Shoreline Constraint. Marine Geodesy, 2014, 37, 32-46.	2.0	8
102	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. Ecological Indicators, 2014, 46, 240-252.	6.3	65
103	Registration of Mars remote sensing images under the crater constraint. Planetary and Space Science, 2013, 85, 13-23.	1.7	8
104	Quantitative risk analysis of urban natural gas pipeline networks using geographical information systems. Journal of Loss Prevention in the Process Industries, 2013, 26, 1183-1192.	3.3	58
105	A novel method of quantitative risk assessment based on grid difference of pipeline sections. Safety Science, 2013, 59, 219-226.	4.9	29
106	Using Construction Expansion Regulation Zones to Manage Urban Growth in Hefei City, China. Journal of the Urban Planning and Development Division, ASCE, 2013, 139, 62-69.	1.7	24
107	Using unmanned aerial vehicle for remote sensing application. , 2013, , .		26
108	Quantitative Analysis of the Waterline Method for Topographical Mapping of Tidal Flats: A Case Study in the Dongsha Sandbank, China. Remote Sensing, 2013, 5, 6138-6158.	4.0	42

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109	Implementation of parallel algorithm for rasterization processing. , 2012, , .		1
110	Zoning analysis of Ecosystem Services Value in downtown of Langfang City. , 2012, , .		0
111	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. Marine Geodesy, 2012, 35, 362-378.	2.0	29
112	Study on the conversion between farmland and pastoral land and its affecting factors in the western of the Songnen plain. , 2012, , .		0
113	Research on log management system of geographical information sharing platform based on WebGIS. , 2012, , .		1
114	Database construction of general land use plan: A case study of Changzhou National Hi-Tech District (CND). , 2012, , .		0
115	Research on parallel computing of spatial vector data conversion based on common interface. , 2012, , .		0
116	Thematic maps for county-level land use planning in Contemporary China. Journal of Maps, 2012, 8, 185-188.	2.0	9
117	Study on industrial land consolidation based on GIS. , 2012, , .		0
118	Research research on on parallel algorithm for polygon rasterization. , 2012, , .		0
119	Robust segmentation of building points from airborne LiDAR data and imagery. , 2011, , .		3
120	Evaluation of spatial accessibility to town and rural in a GIS environment: A case study of Dachang County. , 2011, , .		2
121	A new method of restoring ETM& SLC-off images based on multi-temporal images. , 2011, , .		5
122	A self-adaptive homomorphic filter method for removing thin cloud. , 2011, , .		11
123	3D Visualization of electromagnetic environment. , 2011, , .		2
124	Extraction of sandbank shoreline of Jiangsu based on wavelet transformation. , 2011, , .		0
125	Dynamic triangle — Based method for 3D building rooftop reconstruction from LiDAR data. , 2011, , .		3
126	Assessment of land degradation in Guizhou Province, Southwest China using AVHRR/NDVI and MODIS/NDVI data. , 2010, , .		1

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127	GIS-based study on land use guide regionalization: A case study in Langfang city of Hebei province. , 2010, , .		0
128	Multi-points fast marching: A novel method for road extraction. , 2010, , .		6
129	A new method for remote sensing image matching by integrating affine invariant feature extraction and RANSAC. , 2010, , .		4
130	Mapping land cover types as fuzzy sets. , 2010, , .		0
131	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
132	A methodology for balancing the preservation of area, shape, and topological properties in polygon-to-raster conversion. Cartography and Geographic Information Science, 0, , 1-19.	3.0	1