

Yilang Shen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

201
citations

1040018

9
h-index

1058452

14
g-index

19
all docs

19
docs citations

19
times ranked

84
citing authors

#	ARTICLE	IF	CITATIONS
1	Recognition of building group patterns using graph convolutional network. <i>Cartography and Geographic Information Science</i> , 2020, 47, 400-417.	3.0	28
2	A polygon aggregation method with global feature preservation using superpixel segmentation. <i>Computers, Environment and Urban Systems</i> , 2019, 75, 117-131.	7.1	25
3	A new approach to simplifying polygonal and linear features using superpixel segmentation. <i>International Journal of Geographical Information Science</i> , 2018, 32, 2023-2054.	4.8	23
4	A New Approach to Line Simplification Based on Image Processing: A Case Study of Water Area Boundaries. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 41.	2.9	22
5	The isotropic organization of DEM structure and extraction of valley lines using hexagonal grid. <i>Transactions in GIS</i> , 2020, 24, 483-507.	2.3	19
6	Extracting Centerlines From Dual-Line Roads Using Superpixel Segmentation. <i>IEEE Access</i> , 2019, 7, 15967-15979.	4.2	18
7	A simplification of urban buildings to preserve geometric properties using superpixel segmentation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 79, 162-174.	2.8	15
8	A progressive method for the collapse of river representation considering geographical characteristics. <i>International Journal of Digital Earth</i> , 2020, 13, 1366-1390.	3.9	11
9	A formal model of neighborhood representation and applications in urban building aggregation supported by Delaunay triangulation. <i>PLoS ONE</i> , 2019, 14, e0218877.	2.5	10
10	A Hierarchical Approach for Measuring the Consistency of Water Areas between Multiple Representations of Tile Maps with Different Scales. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 240.	2.9	9
11	A heuristic DEM generalization by combining catchments. <i>Geocarto International</i> , 0, , 1-16.	3.5	5
12	A Novel Method for Building Displacement Based on Multipopulation Genetic Algorithm. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8441.	2.5	4
13	A tile-map-based method for the typification of artificial polygonal water areas considering the legibility. <i>Computers and Geosciences</i> , 2020, 143, 104552.	4.2	3
14	Multilevel Mapping From Remote Sensing Images: A Case Study of Urban Buildings. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	6.3	3
15	A raster-based typification method for multiscale visualization of building features considering distribution patterns. <i>International Journal of Digital Earth</i> , 2022, 15, 249-275.	3.9	3
16	A Raster-Based Methodology to Detect Cross-Scale Changes in Water Body Representations Caused by Map Generalization. <i>Sensors</i> , 2020, 20, 3823.	3.8	1
17	Multiresolution Mapping of Land Cover From Remote Sensing Images by Geometric Generalization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-20.	6.3	1
18	A hierarchical approach for change detection of water areas using a multi-scale tile map. <i>Journal of Hydrogeology and Hydrologic Engineering</i> , 2017, 06, .	0.1	1

#	ARTICLE	IF	CITATIONS
19	Raster-based method for building selection in the multi-scale representation of two-dimensional maps. Geocarto International, 0, , 1-25.	3.5	0