

# Yilang Shen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7036999/publications.pdf>

Version: 2024-02-01

19  
papers

201  
citations

1040056

9  
h-index

1058476

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