

Zhanlong Chen

List of Publications by Year in descending order

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46
papers

1,113
citations

471509

17
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395702

33
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46
all docs

46
docs citations

46
times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent Image Semantic Segmentation: A Review Through Deep Learning Techniques for Remote Sensing Image Analysis. <i>Journal of the Indian Society of Remote Sensing</i> , 2023, 51, 1865-1878.	2.4	9
2	An improved method for generalisation of point features with consideration of reinforcing relationships. <i>Journal of Spatial Science</i> , 2022, 67, 41-60.	1.5	1
3	Sparse reconstruction with spatial structures to automatically determine neighbors. <i>International Journal of Geographical Information Science</i> , 2022, 36, 338-359.	4.8	3
4	Translation of Aerial Image Into Digital Map via Discriminative Segmentation and Creative Generation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	6
5	SADA-Net: A Shape Feature Optimization and Multiscale Context Information-Based Water Body Extraction Method for High-Resolution Remote Sensing Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 1744-1759.	4.9	13
6	Landslide Susceptibility Mapping Using Machine Learning Algorithm: A Case Study Along Karakoram Highway (KKH), Pakistan. <i>Journal of the Indian Society of Remote Sensing</i> , 2022, 50, 849-866.	2.4	25
7	Landslide Susceptibility Mapping using Machine Learning Algorithm. <i>Civil Engineering Journal (Iran)</i> , 2022, 8, 209-224.	3.9	15
8	BOMSC-Net: Boundary Optimization and Multi-Scale Context Awareness Based Building Extraction From High-Resolution Remote Sensing Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-17.	6.3	21
9	Understand space-time accessibility using a visual metaphor: a case study in Hong Kong-Zhuhai-Macao Belt. <i>Environmental Earth Sciences</i> , 2022, 81, 1.	2.7	1
10	Sentinel-1A for monitoring land subsidence of coastal city of Pakistan using Persistent Scatterers In-SAR technique. <i>Scientific Reports</i> , 2022, 12, 5294.	3.3	17
11	Application of a graph convolutional network with visual and semantic features to classify urban scenes. <i>International Journal of Geographical Information Science</i> , 2022, 36, 2009-2034.	4.8	25
12	Spatially oriented convolutional neural network for spatial relation extraction from natural language texts. <i>Transactions in GIS</i> , 2022, 26, 839-866.	2.3	15
13	Landslide Susceptibility Mapping Using Machine Learning Algorithm Validated by Persistent Scatterer In-SAR Technique. <i>Sensors</i> , 2022, 22, 3119.	3.8	35
14	A framework for urban land use classification by integrating the spatial context of points of interest and graph convolutional neural network method. <i>Computers, Environment and Urban Systems</i> , 2022, 95, 101807.	7.1	30
15	An integrated method for DEM simplification with terrain structural features and smooth morphology preserved. <i>International Journal of Geographical Information Science</i> , 2021, 35, 273-295.	4.8	8
16	Measuring the similarity between multipolygons using convex hulls and position graphs. <i>International Journal of Geographical Information Science</i> , 2021, 35, 847-868.	4.8	23
17	CscGAN: Conditional Scale-Consistent Generation Network for Multi-Level Remote Sensing Image to Map Translation. <i>Remote Sensing</i> , 2021, 13, 1936.	4.0	3
18	Measuring the similarity of building patterns using Graph Fourier transform. <i>Earth Science Informatics</i> , 2021, 14, 1953-1971.	3.2	3

#	ARTICLE	IF	CITATIONS
19	Hierarchical Domain-Consistent Network For Cross-Domain Object Detection. , 2021, , .		1
20	PS-InSAR-Based Validated Landslide Susceptibility Mapping along Karakorum Highway, Pakistan. Remote Sensing, 2021, 13, 4129.	4.0	26
21	Road network generalization considering traffic flow patterns. International Journal of Geographical Information Science, 2020, 34, 119-149.	4.8	34
22	Water Body Extraction from Sentinel-3 Image with Multiscale Spatiotemporal Super-Resolution Mapping. Water (Switzerland), 2020, 12, 2605.	2.7	14
23	Realization and application of geological cloud platform. Big Earth Data, 2020, 4, 464-478.	4.4	2
24	Service Area Delimitation of Fire Stations with Fire Risk Analysis: Implementation and Case Study. International Journal of Environmental Research and Public Health, 2020, 17, 2030.	2.6	9
25	Impact of high-speed rail on urban economic development: An observation from the Beijing-Guangzhou line based on night-time light images. Socio-Economic Planning Sciences, 2020, 72, 100905.	5.0	24
26	MapGAN: An Intelligent Generation Model for Network Tile Maps. Sensors, 2020, 20, 3119.	3.8	15
27	An integrated graph Laplacian downsample (IGLD)-based method for DEM generalization. Earth Science Informatics, 2020, 13, 973-987.	3.2	2
28	Discovering the joint influence of urban facilities on crime occurrence using spatial co-location pattern mining. Cities, 2020, 99, 102612.	5.6	35
29	Analyzing Spatial Community Pattern of Network Traffic Flow and Its Variations across Time Based on Taxi GPS Trajectories. Applied Sciences (Switzerland), 2019, 9, 2054.	2.5	5
30	Automated Generalization of Facility Points-of-Interest With Service Area Delimitation. IEEE Access, 2019, 7, 63921-63935.	4.2	7
31	An Intuitionistic Fuzzy Similarity Approach for Clustering Analysis of Polygons. ISPRS International Journal of Geo-Information, 2019, 8, 98.	2.9	7
32	Multilane roads extracted from the OpenStreetMap urban road network using random forests. Transactions in GIS, 2019, 23, 224-240.	2.3	20
33	Road Extraction from High-Resolution Remote Sensing Imagery Using Deep Learning. Remote Sensing, 2018, 10, 1461.	4.0	186
34	Building Extraction in Very High Resolution Remote Sensing Imagery Using Deep Learning and Guided Filters. Remote Sensing, 2018, 10, 144.	4.0	331
35	Shape similarity measurement model for holed polygons based on position graphs and Fourier descriptors. International Journal of Geographical Information Science, 2017, 31, 253-279.	4.8	27
36	Quality assessment of building footprint data using a deep autoencoder network. International Journal of Geographical Information Science, 2017, 31, 1929-1951.	4.8	42

#	ARTICLE	IF	CITATIONS
37	An analysis of movement patterns between zones using taxi GPS data. Transactions in GIS, 2017, 21, 1341-1363.	2.3	12
38	A Knowledge-Driven Geospatially Enabled Framework for Geological Big Data. ISPRS International Journal of Geo-Information, 2017, 6, 166.	2.9	27
39	Optimizing Cruising Routes for Taxi Drivers Using a Spatio-Temporal Trajectory Model. ISPRS International Journal of Geo-Information, 2017, 6, 373.	2.9	20
40	Hierarchical Model for the Similarity Measurement of a Complex Holed-Region Entity Scene. ISPRS International Journal of Geo-Information, 2017, 6, 388.	2.9	4
41	Automatic Polygonization Algorithm on Parallel and Graph Model. International Journal of Hybrid Information Technology, 2016, 9, 21-30.	0.6	0
42	Buffer Analysis Parallel Optimized Algorithm of Vector Data Based on Plane Graph Model. International Journal of Grid and Distributed Computing, 2016, 9, 35-50.	0.8	0
43	A novel computation method for line-line topological relations based on conformal geometric algebra. , 2015, , .		0
44	A Geospatial Information Grid Framework for Geological Survey. PLoS ONE, 2015, 10, e0145312.	2.5	9
45	Research on semantics of entity space similarity measure based on artificial neural networks. , 2015, , .		1
46	Building damage assessment approach based on seismic spatial information grid. , 2015, , .		0