# Zhanlong Chen

List of Publications by Year
in descending order

| 46 | 1,113 | 471509 | 395702 |
|---|---|---|---|
| papers | citations | 17 | 33 |
| | | h-index | g-index |

| 46 | 46 | 46 | 985 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | Building Extraction in Very High Resolution Remote Sensing Imagery Using Deep Learning and Guided Filters. Remote Sensing, 2018, 10, 144. | 4.0 | 331 |
| 2 | Road Extraction from High-Resolution Remote Sensing Imagery Using Deep Learning. Remote Sensing, 2018, 10, 1461. | 4.0 | 186 |
| 3 | Quality assessment of building footprint data using a deep autoencoder network. International Journal of Geographical Information Science, 2017, 31, 1929-1951. | 4.8 | 42 |
| 4 | Discovering the joint influence of urban facilities on crime occurrence using spatial co-location pattern mining. Cities, 2020, 99, 102612. | 5.6 | 35 |
| 5 | Landslide Susceptibility Mapping Using Machine Learning Algorithm Validated by Persistent Scatterer In-SAR Technique. Sensors, 2022, 22, 3119. | 3.8 | 35 |
| 6 | Road network generalization considering traffic flow patterns. International Journal of Geographical Information Science, 2020, 34, 119-149. | 4.8 | 34 |
| 7 | A framework for urban land use classification by integrating the spatial context of points of interest and graph convolutional neural network method. Computers, Environment and Urban Systems, 2022, 95, 101807. | 7.1 | 30 |
| 8 | 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 |
| 9 | A Knowledge-Driven Geospatially Enabled Framework for Geological Big Data. ISPRS International Journal of Geo-Information, 2017, 6, 166. | 2.9 | 27 |
| 10 | PS-InSAR-Based Validated Landslide Susceptibility Mapping along Karakorum Highway, Pakistan. Remote Sensing, 2021, 13, 4129. | 4.0 | 26 |
| 11 | Landslide Susceptibility Mapping Using Machine Learning Algorithm: A Case Study Along Karakoram Highway (KKH), Pakistan. Journal of the Indian Society of Remote Sensing, 2022, 50, 849-866. | 2.4 | 25 |
| 12 | Application of a graph convolutional network with visual and semantic features to classify urban scenes. International Journal of Geographical Information Science, 2022, 36, 2009-2034. | 4.8 | 25 |
| 13 | 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 |
| 14 | Measuring the similarity between multipolygons using convex hulls and position graphs. International Journal of Geographical Information Science, 2021, 35, 847-868. | 4.8 | 23 |
| 15 | BOMSC-Net: Boundary Optimization and Multi-Scale Context Awareness Based Building Extraction From High-Resolution Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17. | 6.3 | 21 |
| 16 | Optimizing Cruising Routes for Taxi Drivers Using a Spatio-Temporal Trajectory Model. ISPRS International Journal of Geo-Information, 2017, 6, 373. | 2.9 | 20 |
| 17 | Multilane roads extracted from the OpenStreetMap urban road network using random forests. Transactions in GIS, 2019, 23, 224-240. | 2.3 | 20 |
| 18 | Sentinel-1A for monitoring land subsidence of coastal city of Pakistan using Persistent Scatterers In-SAR technique. Scientific Reports, 2022, 12, 5294. | 3.3 | 17 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | MapGAN: An Intelligent Generation Model for Network Tile Maps. Sensors, 2020, 20, 3119. | 3.8 | 15 |
| 20 | Landslide Susceptibility Mapping using Machine Learning Algorithm. Civil Engineering Journal (Iran), 2022, 8, 209-224. | 3.9 | 15 |
| 21 | Spatially oriented convolutional neural network for spatial relation extraction from natural language texts. Transactions in GIS, 2022, 26, 839-866. | 2.3 | 15 |
| 22 | Water Body Extraction from Sentinel-3 Image with Multiscale Spatiotemporal Super-Resolution Mapping. Water (Switzerland), 2020, 12, 2605. | 2.7 | 14 |
| 23 | SADA-Net: A Shape Feature Optimization and Multiscale Context Information-Based Water Body Extraction Method for High-Resolution Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1744-1759. | 4.9 | 13 |
| 24 | An analysis of movement patterns between zones using taxi GPS data. Transactions in GIS, 2017, 21, 1341-1363. | 2.3 | 12 |
| 25 | A Geospatial Information Grid Framework for Geological Survey. PLoS ONE, 2015, 10, e0145312. | 2.5 | 9 |
| 26 | 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 |
| 27 | Intelligent Image Semantic Segmentation: A Review Through Deep Learning Techniques for Remote Sensing Image Analysis. Journal of the Indian Society of Remote Sensing, 2023, 51, 1865-1878. | 2.4 | 9 |
| 28 | An integrated method for DEM simplification with terrain structural features and smooth morphology preserved. International Journal of Geographical Information Science, 2021, 35, 273-295. | 4.8 | 8 |
| 29 | Automated Generalization of Facility Points-of-Interest With Service Area Delimitation. IEEE Access, 2019, 7, 63921-63935. | 4.2 | 7 |
| 30 | An Intuitionistic Fuzzy Similarity Approach for Clustering Analysis of Polygons. ISPRS International Journal of Geo-Information, 2019, 8, 98. | 2.9 | 7 |
| 31 | Translation of Aerial Image Into Digital Map via Discriminative Segmentation and Creative Generation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15. | 6.3 | 6 |
| 32 | 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 |
| 33 | 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 |
| 34 | Sparse reconstruction with spatial structures to automatically determine neighbors. International Journal of Geographical Information Science, 2022, 36, 338-359. | 4.8 | 3 |
| 35 | CscGAN: Conditional Scale-Consistent Generation Network for Multi-Level Remote Sensing Image to Map Translation. Remote Sensing, 2021, 13, 1936. | 4.0 | 3 |
| 36 | Measuring the similarity of building patterns using Graph Fourier transform. Earth Science Informatics, 2021, 14, 1953-1971. | 3.2 | 3 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Realization and application of geological cloud platform. Big Earth Data, 2020, 4, 464-478. | 4.4 | 2 |
| 38 | An integrated graph Laplacian downsample (IGLD)-based method for DEM generalization. Earth Science Informatics, 2020, 13, 973-987. | 3.2 | 2 |
| 39 | Research on semantics of entity space similarity measure based on artificial neural networks. , 2015, , . | | 1 |
| 40 | An improved method for generalisation of point features with consideration of reinforcing relationships. Journal of Spatial Science, 2022, 67, 41-60. | 1.5 | 1 |
| 41 | Hierarchical Domain-Consistent Network For Cross-Domain Object Detection. , 2021, , . | | 1 |
| 42 | Understand space–time accessibility using a visual metaphor: a case study in Hong Kong–Zhuhai–Macao Belt. Environmental Earth Sciences, 2022, 81, 1. | 2.7 | 1 |
| 43 | A novel computation method for line-line topological relations based on conformal geometric algebra. , 2015, , . | | 0 |
| 44 | Building damage assessment approach based on seismic spatial information grid. , 2015, , . | | 0 |
| 45 | Automatic Polygonization Algorithm on Parallel and Graph Model. International Journal of Hybrid Information Technology, 2016, 9, 21-30. | 0.6 | 0 |
| 46 | 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 |