Zhong Xie

List of Publications by Year
in descending order

54 papers	985 citations	430843 18 h-index	454934 30 g-index
54 all docs	54 docs citations	54 times ranked	854 citing authors

#	Article	IF	Citations
1	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
2	Spatially oriented convolutional neural network for spatial relation extraction from natural language texts. Transactions in GIS, 2022, 26, 839-866.	2.3	15
3	Measuring the similarity between multipolygons using convex hulls and position graphs. International Journal of Geographical Information Science, 2021, 35, 847-868.	4.8	23
4	A multi-granularity knowledge association model of geological text based on hypernetwork. Earth Science Informatics, 2021, 14, 227-246.	3.2	7
5	GKEEP: An Enhanced Graphâ€Based Keyword Extractor With Errorâ€Feedback Propagation for Geoscience Reports. Earth and Space Science, 2021, 8, e2020EA001602.	2.6	9
6	Chinese Word Segmentation Based on Selfâ€Learning Model and Geological Knowledge for the Geoscience Domain. Earth and Space Science, 2021, 8, e2021EA001673.	2.6	12
7	WSGAN: An Improved Generative Adversarial Network for Remote Sensing Image Road Network Extraction by Weakly Supervised Processing. Remote Sensing, 2021, 13, 2506.	4.0	17
8	Measuring the similarity of building patterns using Graph Fourier transform. Earth Science Informatics, 2021, 14, 1953-1971.	3.2	3
9	DGANet: A Dilated Graph Attention-Based Network for Local Feature Extraction on 3D Point Clouds. Remote Sensing, 2021, 13, 3484.	4.0	16
10	DA-RoadNet: A Dual-Attention Network for Road Extraction From High Resolution Satellite Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6302-6315.	4.9	48
11	A Robust Rigid Registration Framework of 3D Indoor Scene Point Clouds Based on RGB-D Information. Remote Sensing, 2021, 13, 4755.	4.0	4
12	Point Projection Network: A Multi-View-Based Point Completion Network with Encoder-Decoder Architecture. Remote Sensing, 2021, 13, 4917.	4.0	8
13	Mining spatiotemporal association patterns from complex geographic phenomena. International Journal of Geographical Information Science, 2020, 34, 1162-1187.	4.8	48
14	Pedestrian network generation based on crowdsourced tracking data. International Journal of Geographical Information Science, 2020, 34, 1051-1074.	4.8	17
15	A universal parallel scheduling approach to polyline and polygon vector data buffer analysis on conventional GIS platforms. Transactions in GIS, 2020, 24, 1630-1654.	2.3	11
16	Discovering spatial interaction patterns of near repeat crime by spatial association rules mining. Scientific Reports, 2020, 10, 17262.	3.3	13
17	Automatic spatiotemporal and semantic information extraction from unstructured geoscience reports using text mining techniques. Earth Science Informatics, 2020, 13, 1393-1410.	3.2	38
18	Action Recognition Using High Temporal Resolution 3D Neural Network Based on Dilated Convolution. IEEE Access, 2020, 8, 165365-165372.	4.2	2

#	Article	IF	Citations
19	Dictionary‐Based Automated Information Extraction From Geological Documents Using a Deep Learning Algorithm. Earth and Space Science, 2020, 7, e2019EA000993.	2.6	25
20	BiLSTM-CRF for geological named entity recognition from the geoscience literature. Earth Science Informatics, 2019, 12, 565-579.	3.2	54
21	High Order Mesh Denoising via ℓ_{P} -ℓ_{1} Minimization. IEEE Access, 2019, 7, 146989-147000.	4.2	0
22	Ontology-based question understanding with the constraint of Spatio-temporal geological knowledge. Earth Science Informatics, 2019, 12, 599-613.	3.2	10
23	Exploring the characteristics of tourism industry by analyzing consumer review contents from social media: a case study of Bamako, Mali. Geo-Spatial Information Science, 2019, 22, 214-222.	5.3	5
24	GNER: A Generative Model for Geological Named Entity Recognition Without Labeled Data Using Deep Learning. Earth and Space Science, 2019, 6, 931-946.	2.6	37
25	An Intuitionistic Fuzzy Similarity Approach for Clustering Analysis of Polygons. ISPRS International Journal of Geo-Information, 2019, 8, 98.	2.9	7
26	Robust Mesh Denoising via Triple Sparsity. Sensors, 2019, 19, 1001.	3.8	8
27	A dengue fever predicting model based on Baidu search index data and climate data in South China. PLoS ONE, 2019, 14, e0226841.	2.5	25
28	Multilane roads extracted from the OpenStreetMap urban road network using random forests. Transactions in GIS, 2019, 23, 224-240.	2.3	20
29	Learning-Based Super-Resolution Land Cover Mapping with Additional Transformed Examples. , 2018, , .		1
30	A Task-Oriented Knowledge Base for Geospatial Problem-Solving. ISPRS International Journal of Geo-Information, 2018, 7, 423.	2.9	5
31	A Review of GPS Trajectories Classification Based on Transportation Mode. Sensors, 2018, 18, 3741.	3.8	46
32	Ontology-Based Enhanced Word Embedding for Automated Information Extraction from Geoscience Reports. , 2018, , .		1
33	Spatio-Temporal Super-Resolution Land Cover Mapping Based on Fuzzy C-Means Clustering. Remote Sensing, 2018, 10, 1212.	4.0	11
34	Road Extraction from High-Resolution Remote Sensing Imagery Using Deep Learning. Remote Sensing, 2018, 10, 1461.	4.0	186
35	Deep Salient Feature Based Anti-Noise Transfer Network for Scene Classification of Remote Sensing Imagery. Remote Sensing, 2018, 10, 410.	4.0	35
36	Mesh denoising via total variation and weighted Laplacian regularizations. Computer Animation and Virtual Worlds, 2018, 29, e1827.	1.2	13

#	ARTICLE	IF	CITATIONS
37	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
38	Quality assessment of building footprint data using a deep autoencoder network. International Journal of Geographical Information Science, 2017, 31, 1929-1951.	4.8	42
39	A Knowledge-Driven Geospatially Enabled Framework for Geological Big Data. ISPRS International Journal of Geo-Information, 2017, 6, 166.	2.9	27
40	Optimizing Cruising Routes for Taxi Drivers Using a Spatio-Temporal Trajectory Model. ISPRS International Journal of Geo-Information, 2017, 6, 373.	2.9	20
41	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
42	Spatial Analysis of Severe Fever with Thrombocytopenia Syndrome Virus in China Using a Geographically Weighted Logistic Regression Model. International Journal of Environmental Research and Public Health, 2016, 13, 1125.	2.6	27
43	Post-Earthquake People Loss Evaluation Based on Seismic Multi-Level Hybrid Grid: A Case Study on Yushu Ms 7.1 Earthquake in China. Open Geosciences, 2016, 8, .	1.7	1
44	An intelligent learning system for supporting interactive learning through student engagement study. , 2016, , .		3
45	An asynchronous Geoprocessing Workflow and its application to an Antarctic ozone monitoring and mapping service. International Journal of Digital Earth, 2016, 9, 156-170.	3.9	4
46	A novel computation method for line-line topological relations based on conformal geometric algebra. , 2015, , .		0
47	A Geospatial Information Grid Framework for Geological Survey. PLoS ONE, 2015, 10, e0145312.	2.5	9
48	Research on semantics of entity space similarity measure based on artificial neural networks. , 2015, , .		1
49	Building damage assessment approach based on seismic spatial information grid. , 2015, , .		0
50	Rapid loss assessment of population in seismic disasters. , 2015, , .		0
51	A balanced decomposition approach to real-time visualization of large vector maps in CyberGIS. Frontiers of Computer Science, 2015, 9, 442-455.	2.4	7
52	Research on the Trajectory Model for ZY-3. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	3
53	A RESTFul based SPS for dynamic earth observation data preparing. , 2013, , .		0
54	Research on Building Polygon Map Generalization Algorithm. , 2007, , .		5