Liang Wu

List of Publications by Year
in descending order

42 papers	1,054 citations	430874 18 h-index	434195 31 g-index
42 all docs	42 docs citations	42 times ranked	985 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	DGeoSegmenter: A dictionary-based Chinese word segmenter for the geoscience domain. Computers and Geosciences, 2018, 121, 1-11.	4.2	55
3	Migration, recombination, and reassortment are involved in the evolution of severe fever with thrombocytopenia syndrome bunyavirus. Infection, Genetics and Evolution, 2017, 47, 109-117.	2.3	54
4	BiLSTM-CRF for geological named entity recognition from the geoscience literature. Earth Science Informatics, 2019, 12, 565-579.	3.2	54
5	Quality assessment of building footprint data using a deep autoencoder network. International Journal of Geographical Information Science, 2017, 31, 1929-1951.	4.8	42
6	Automatic spatiotemporal and semantic information extraction from unstructured geoscience reports using text mining techniques. Earth Science Informatics, 2020, 13, 1393-1410.	3.2	38
7	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
8	Discovering the joint influence of urban facilities on crime occurrence using spatial co-location pattern mining. Cities, 2020, 99, 102612.	5.6	35
9	Public Knowledge about Dementia in China: A National WeChat-Based Survey. International Journal of Environmental Research and Public Health, 2019, 16, 4231.	2.6	32
10	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
11	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
12	A Knowledge-Driven Geospatially Enabled Framework for Geological Big Data. ISPRS International Journal of Geo-Information, 2017, 6, 166.	2.9	27
13	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
14	Dictionary‐Based Automated Information Extraction From Geological Documents Using a Deep Learning Algorithm. Earth and Space Science, 2020, 7, e2019EA000993.	2.6	25
15	A cyclic self-learning Chinese word segmentation for the geoscience domain. Geomatica, 2018, 72, 16-26.	0.5	22
16	Unsupervised Haze Removal for High-Resolution Optical Remote-Sensing Images Based on Improved Generative Adversarial Networks. Remote Sensing, 2020, 12, 4162.	4.0	21
17	Optimizing Cruising Routes for Taxi Drivers Using a Spatio-Temporal Trajectory Model. ISPRS International Journal of Geo-Information, 2017, 6, 373.	2.9	20
18	Multilane roads extracted from the OpenStreetMap urban road network using random forests. Transactions in GIS, 2019, 23, 224-240.	2.3	20

#	Article	IF	Citations
19	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
20	Visual analytics and information extraction of geological content for text-based mineral exploration reports. Ore Geology Reviews, 2022, 144, 104818.	2.7	17
21	Recognition of Urban Functions and Mixed Use Based on Residents' Movement and Topic Generation Model: The Case of Wuhan, China. Remote Sensing, 2020, 12, 2889.	4.0	15
22	Few-shot learning for name entity recognition in geological text based on GeoBERT. Earth Science Informatics, 2022, 15, 979-991.	3.2	15
23	Walkability, Safety, and Housing Values in Shrinking Cities: Spatial Hedonic Study in Buffalo, Pittsburgh, and Detroit. Journal of the Urban Planning and Development Division, ASCE, 2020, 146, .	1.7	13
24	Chinese Word Segmentation Based on Self‐Learning Model and Geological Knowledge for the Geoscience Domain. Earth and Space Science, 2021, 8, e2021EA001673.	2.6	12
25	Ontology-based question understanding with the constraint of Spatio-temporal geological knowledge. Earth Science Informatics, 2019, 12, 599-613.	3.2	10
26	A Geospatial Information Grid Framework for Geological Survey. PLoS ONE, 2015, 10, e0145312.	2.5	9
27	An Intuitionistic Fuzzy Similarity Approach for Clustering Analysis of Polygons. ISPRS International Journal of Geo-Information, 2019, 8, 98.	2.9	7
28	A multi-granularity knowledge association model of geological text based on hypernetwork. Earth Science Informatics, 2021, 14, 227-246.	3.2	7
29	Measuring the Service Capacity of Public Facilities Based on a Dynamic Voronoi Diagram. Remote Sensing, 2021, 13, 1027.	4.0	6
30	Research on Building Polygon Map Generalization Algorithm. , 2007, , .		5
31	A Task-Oriented Knowledge Base for Geospatial Problem-Solving. ISPRS International Journal of Geo-Information, 2018, 7, 423.	2.9	5
32	Exploring Multidimensional Spatiotemporal Point Patterns Based on an Improved Affinity Propagation Algorithm. International Journal of Environmental Research and Public Health, 2019, 16, 1988.	2.6	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	Synthesizing Data to Explore the Dynamic Spatial Patterns of Hotel Development. ISPRS International Journal of Geo-Information, 2019, 8, 448.	2.9	3
35	Measuring the similarity of building patterns using Graph Fourier transform. Earth Science Informatics, 2021, 14, 1953-1971.	3.2	3
36	An integrated graph Laplacian downsample (IGLD)-based method for DEM generalization. Earth Science Informatics, 2020, 13, 973-987.	3.2	2

#	Article	IF	Citations
37	Research on the driving forces of urban hot spots based on exploratory analysis and binary logistic regression model. Transactions in GIS, 2021, 25, 1522-1541.	2.3	2
38	Optimization Framework for Spatiotemporal Analysis Units Based on Floating Car Data. Remote Sensing, 2022, 14, 2376.	4.0	2
39	Adaptive Unsupervised-Shadow-Detection Approach for Remote-Sensing Image Based on Multichannel Features. Remote Sensing, 2022, 14, 2756.	4.0	2
40	An Efficient Internet Map Tiles Rendering Approach on High Resolution Devices. Journal of Spatial Science, 0, , 1-19.	1.5	1
41	A novel computation method for line-line topological relations based on conformal geometric algebra. , 2015, , .		0
42	Locality preserving hashing for fast image search: theory and applications. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 349-359.	2.8	0