Hongchao Fan

List of Publications by Year
in descending order

63 papers	1,682 citations	394421 19 h-index	302126 39 g-index
64 all docs	64 docs citations	64 times ranked	1698 citing authors

#	Article	IF	Citations
1	Quality assessment for building footprints data on OpenStreetMap. International Journal of Geographical Information Science, 2014, 28, 700-719.	4.8	381
2	Registration of large-scale terrestrial laser scanner point clouds: A review and benchmark. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 163, 327-342.	11.1	220
3	Road-based travel recommendation using geo-tagged images. Computers, Environment and Urban Systems, 2015, 53, 110-122.	7.1	104
4	Identifying the city center using human travel flows generated from location-based social networking data. Environment and Planning B: Planning and Design, 2016, 43, 480-498.	1.7	81
5	A three-step approach of simplifying 3D buildings modeled by CityGML. International Journal of Geographical Information Science, 2012, 26, 1091-1107.	4.8	64
6	A polygon-based approach for matching OpenStreetMap road networks with regional transit authority data. International Journal of Geographical Information Science, 2016, 30, 748-764.	4.8	62
7	Volunteered geographic information research in the first decade: a narrative review of selected journal articles in GIScience. International Journal of Geographical Information Science, 2020, 34, 1765-1791.	4.8	58
8	Using mobile signaling data to exam urban park service radius in Shanghai: methods and limitations. Computers, Environment and Urban Systems, 2018, 71, 27-40.	7.1	42
9	Monitoring and Assessing Post-Disaster Tourism Recovery Using Geotagged Social Media Data. ISPRS International Journal of Geo-Information, 2017, 6, 144.	2.9	41
10	Generalization of 3D Buildings Modelled by CityGML. Lecture Notes in Geoinformation and Cartography, 2009, , 387-405.	1.0	33
11	Temporal Analysis on Contribution Inequality in OpenStreetMap: A Comparative Study for Four Countries. ISPRS International Journal of Geo-Information, 2016, 5, 5.	2.9	31
12	Segmentation of Sloped Roofs from Airborne LiDAR Point Clouds Using Ridge-Based Hierarchical Decomposition. Remote Sensing, 2014, 6, 3284-3301.	4.0	29
13	Identifying Man-Made Objects Along Urban Road Corridors From Mobile LiDAR Data. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 950-954.	3.1	29
14	Polygon-based approach for extracting multilane roads from OpenStreetMap urban road networks. International Journal of Geographical Information Science, 2014, 28, 2200-2219.	4.8	28
15	Amateur or Professional: Assessing the Expertise of Major Contributors in OpenStreetMap Based on Contributing Behaviors. ISPRS International Journal of Geo-Information, 2016, 5, 21.	2.9	28
16	Deep Learning From Multiple Crowds: A Case Study of Humanitarian Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1713-1722.	6.3	27
17	The State of Mapillary: An Exploratory Analysis. ISPRS International Journal of Geo-Information, 2020, 9, 10.	2.9	24
18	Towards generating network of bikeways from Mapillary data. Computers, Environment and Urban Systems, 2021, 88, 101632.	7.1	22

#	Article	IF	Citations
19	An Interactive platform for low-cost 3D building modeling from VGI data using convolutional neural network. Big Earth Data, 2021, 5, 49-65.	4.4	21
20	Towards Reconstructing 3D Buildings from ALS Data Based on Gestalt Laws. Remote Sensing, 2018, 10, 1127.	4.0	19
21	Enhanced Facade Parsing for Street-Level Images Using Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10519-10531.	6.3	17
22	Coupling maximum entropy modeling with geotagged social media data to determine the geographic distribution of tourists. International Journal of Geographical Information Science, 2018, 32, 1699-1736.	4.8	16
23	GazPNE: annotation-free deep learning for place name extraction from microblogs leveraging gazetteer and synthetic data by rules. International Journal of Geographical Information Science, 2022, 36, 310-337.	4.8	15
24	Assessing spatiotemporal predictability of LBSN: a case study of three Foursquare datasets. GeoInformatica, 2018, 22, 541-561.	2.7	14
25	GazPNE2: A General Place Name Extractor for Microblogs Fusing Gazetteers and Pretrained Transformer Models. IEEE Internet of Things Journal, 2022, 9, 16259-16271.	8.7	14
26	Visual Bandwidth Selection for Kernel Density Maps. Photogrammetrie, Fernerkundung, Geoinformation, 2009, 2009, 445-454.	1.2	12
27	Evaluating spatial accessibility to healthcare services from the lens of emergency hospital visits based on floating car data. International Journal of Digital Earth, 2022, 15, 108-133.	3.9	12
28	Understanding Taxi Driving Behaviors from Movement Data. Lecture Notes in Geoinformation and Cartography, 2015, , 219-234.	1.0	11
29	Registration of Airborne LiDAR Point Clouds by Matching the Linear Plane Features of Building Roof Facets. Remote Sensing, 2016, 8, 447.	4.0	11
30	Exploring Spatiotemporal Patterns of Long-Distance Taxi Rides in Shanghai. ISPRS International Journal of Geo-Information, 2017, 6, 339.	2.9	11
31	Layout graph model for semantic faÃ§ade reconstruction using laser point clouds. Geo-Spatial Information Science, 2021, 24, 403-421.	5.3	11
32	VGI3D: an Interactive and Low-Cost Solution for 3D Building Modelling from Street-Level VGI Images. Journal of Geovisualization and Spatial Analysis, 2021, 5, 1.	4.3	11
33	Estimation of Building Types on OpenStreetMap Based on Urban Morphology Analysis. Lecture Notes in Geoinformation and Cartography, 2014, , 19-35.	1.0	11
34	GridiLoc: A Backtracking Grid Filter for Fusing the Grid Model with PDR Using Smartphone Sensors. Sensors, 2016, 16, 2137.	3.8	10
35	A contextualized and personalized model to predict user interest using location-based social networks. Computers, Environment and Urban Systems, 2016, 58, 97-106.	7.1	10
36	Exploring the Distribution Patterns of Flickr Photos. ISPRS International Journal of Geo-Information, 2019, 8, 418.	2.9	10

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37	Contextualized Relevance Evaluation of Geographic Information for Mobile Users in Location-Based Social Networks. ISPRS International Journal of Geo-Information, 2015, 4, 799-814.	2.9	8
38	Registration of Vehicle-Borne Point Clouds and Panoramic Images Based on Sensor Constellations. Sensors, 2017, 17, 837.	3.8	8
39	A Hybrid Method to Incrementally Extract Road Networks Using Spatio-Temporal Trajectory Data. ISPRS International Journal of Geo-Information, 2020, 9, 186.	2.9	8
40	Typification for FaÃ§ade Structures Based on User Perception. ISPRS International Journal of Geo-Information, 2016, 5, 239.	2.9	7
41	Room semantics inference using random forest and relational graph convolutional networks: A case study of research building. Transactions in GIS, 2021, 25, 71-111.	2.3	7
42	Special Issue on 3D Sensing in Intelligent Transportation. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1947-1949.	8.0	7
43	Towards Measuring Shape Similarity of Polygons Based on Multiscale Features and Grid Context Descriptors. ISPRS International Journal of Geo-Information, 2021, 10, 279.	2.9	7
44	Detecting repetitive structures on building footprints for the purposes of 3D modeling and reconstruction. International Journal of Digital Earth, 2017, 10, 785-797.	3.9	6
45	Towards Detecting the Crowd Involved in Social Events. ISPRS International Journal of Geo-Information, 2017, 6, 305.	2.9	6
46	Feasibility of Using Grammars to Infer Room Semantics. Remote Sensing, 2019, 11, 1535.	4.0	6
47	A Grid-Based Approach for Measuring Similarities of Taxi Trajectories. Sensors, 2020, 20, 3118.	3.8	6
48	Reconstructing facade semantic models using hierarchical topological graphs. Transactions in GIS, 2020, 24, 1073-1097.	2.3	6
49	An Improved Multiâ€Task Pointwise Network for Segmentation of Building Roofs in Airborne Laser Scanning Point Clouds. Photogrammetric Record, 2022, 37, 260-284.	0.4	6
50	Shell model representation as a substitute of LoD3 for 3D modeling in CityGML. Geo-Spatial Information Science, 2011, 14, 79-84.	5.3	5
51	Roof model recommendation for complex buildings based on combination rules and symmetry features in footprints. International Journal of Digital Earth, 2018, 11, 1039-1063.	3.9	5
52	Data-driven approach to learning salience models of indoor landmarks by using genetic programming. International Journal of Digital Earth, 2020, 13, 1230-1257.	3.9	5
53	A Probabilistic Method for Fractured Cultural Relics Automatic Reassembly. Journal on Computing and Cultural Heritage, 2021, 14, 1-25.	2.1	5
54	Detecting and Analyzing Urban Centers Based on the Localized Contour Tree Method Using Taxi Trajectory Data: A Case Study of Shanghai. ISPRS International Journal of Geo-Information, 2021, 10, 220.	2.9	5

#	Article	IF	Citations
55	Automated detecting and placing road objects from street-level images. Computational Urban Science, 2021, 1, 1.	3.2	5
56	Event Identification from Georeferenced Images. Lecture Notes in Geoinformation and Cartography, 2014, , 73-88.	1.0	5
57	Urban spatial structure analysis: quantitative identification of urban social functions using building footprints. Frontiers of Earth Science, 0, , 1.	2.1	5
58	An automatic data integration approach to enrich ATKIS with the VGI of outdoor-sports data. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	3
59	Volunteered Geographic Information Research in the First Decade: Visualizing and Analyzing the Author Connectedness of Selected Journal Articles in GIScience. Journal of Geovisualization and Spatial Analysis, 2020, 4, 1.	4.3	3
60	Analytics of big geosocial media and crowdsourced data. Big Earth Data, 2021, 5, 1-4.	4.4	3
61	Exploring the Influence of E-Hailing Applications on the Taxi Industryâ€"From the Perspective of the Drivers. ISPRS International Journal of Geo-Information, 2021, 10, 77.	2.9	3
62	Tagging the main entrances of public buildings based on OpenStreetMap and binary imbalanced learning. International Journal of Geographical Information Science, 0, , 1-29.	4.8	2
63	Interactive 3D Building Modeling and Semantic Labeling from VGI Image Data. , 2018, , .		0