

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43 papers	1,385 citations	20 h-index	36 g-index
47 ext. papers	1,830 ext. citations	4.8 avg, IF	5.36 L-index

#	Paper	IF	Citations
43	Applications of 3D City Models: State of the Art Review. <i>ISPRS International Journal of Geo-Information</i> , 2015 , 4, 2842-2889	2.9	296
42	An improved LOD specification for 3D building models. <i>Computers, Environment and Urban Systems</i> , 2016 , 59, 25-37	5.9	141
41	Transportation mode-based segmentation and classification of movement trajectories. <i>International Journal of Geographical Information Science</i> , 2013 , 27, 385-407	4.1	93
40	Formalisation of the level of detail in 3D city modelling. <i>Computers, Environment and Urban Systems</i> , 2014 , 48, 1-15	5.9	91
39	Generating 3D city models without elevation data. <i>Computers, Environment and Urban Systems</i> , 2017 , 64, 1-18	5.9	59
38	4D cadastres: First analysis of legal, organizational, and technical impact. With a case study on utility networks. <i>Land Use Policy</i> , 2010 , 27, 1068-1081	5.6	49
37	3D cadastre in the Netherlands: Developments and international applicability. <i>Computers, Environment and Urban Systems</i> , 2013 , 40, 56-67	5.9	46
36	CityGML Application Domain Extension (ADE): overview of developments. <i>Open Geospatial Data, Software and Standards</i> , 2018 , 3,	4.9	40
35	Automatically enhancing CityGML LOD2 models with a corresponding indoor geometry. <i>International Journal of Geographical Information Science</i> , 2015 , 29, 2248-2268	4.1	36
34	Solutions for 4D cadastre. With a case study on utility networks. <i>International Journal of Geographical Information Science</i> , 2011 , 25, 1173-1189	4.1	36
33	Propagation of positional error in 3D GIS: estimation of the solar irradiation of building roofs. <i>International Journal of Geographical Information Science</i> , 2015 , 29, 2269-2294	4.1	35
32	Achieving Complete and Near-Lossless Conversion from IFC to CityGML. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 355	2.9	34
31	Population Estimation Using a 3D City Model: A Multi-Scale Country-Wide Study in the Netherlands. <i>PLoS ONE</i> , 2016 , 11, e0156808	3.7	33
30	The variants of an LOD of a 3D building model and their influence on spatial analyses. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016 , 116, 42-54	11.8	32
29	Registration of Multi-Level Property Rights in 3D in The Netherlands: Two Cases and Next Steps in Further Implementation. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 158	2.9	28
28	Modeling a 3D City Model and Its Levels of Detail as a True 4D Model. <i>ISPRS International Journal of Geo-Information</i> , 2015 , 4, 1055-1075	2.9	28
27	Street view imagery in urban analytics and GIS: A review. <i>Landscape and Urban Planning</i> , 2021 , 215, 104217	17.7	27

26	A scientometric analysis of selected GIScience journals. <i>International Journal of Geographical Information Science</i> , 2016 , 30, 1302-1335	4.1	23
25	Automatic Update of Road Attributes by Mining GPS Tracks. <i>Transactions in GIS</i> , 2016 , 20, 664-683	2.1	23
24	Tools for BIM-GIS Integration (IFC Georeferencing and Conversions): Results from the GeoBIM Benchmark 2019. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 502	2.9	20
23	The effect of acquisition error and level of detail on the accuracy of spatial analyses. <i>Cartography and Geographic Information Science</i> , 2018 , 45, 156-176	2.1	19
22	An application-driven LOD modeling paradigm for 3D building models. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020 , 161, 194-207	11.8	18
21	Extending CityGML for IFC-sourced 3D city models. <i>Automation in Construction</i> , 2021 , 121, 103440	9.6	18
20	The VI-Suite: a set of environmental analysis tools with geospatial data applications. <i>Open Geospatial Data, Software and Standards</i> , 2017 , 2,	4.9	14
19	Improving the Consistency of Multi-LOD CityGML Datasets by Removing Redundancy. <i>Lecture Notes in Geoinformation and Cartography</i> , 2015 , 1-17	0.3	14
18	3D city models for urban farming site identification in buildings. <i>Computers, Environment and Urban Systems</i> , 2021 , 86, 101584	5.9	13
17	3dfier: automatic reconstruction of 3D city models. <i>Journal of Open Source Software</i> , 2021 , 6, 2866	5.2	13
16	Does a Finer Level of Detail of a 3D City Model Bring an Improvement for Estimating Shadows?. <i>Lecture Notes in Geoinformation and Cartography</i> , 2017 , 31-47	0.3	11
15	Modeling Cities and Landscapes in 3D with CityGML 2018 , 199-215		11
14	The Dutch urban ground lease: A valuable tool for land policy?. <i>Land Use Policy</i> , 2017 , 63, 78-85	5.6	10
13	Circular economy and real estate: the legal (im)possibilities of operational lease. <i>Facilities</i> , 2019 , 37, 653-668	1.1	10
12	Roofpedia: Automatic mapping of green and solar roofs for an open roofscape registry and evaluation of urban sustainability. <i>Landscape and Urban Planning</i> , 2021 , 214, 104167	7.7	9
11	Classification of urban morphology with deep learning: Application on urban vitality. <i>Computers, Environment and Urban Systems</i> , 2021 , 90, 101706	5.9	9
10	Assessing bikeability with street view imagery and computer vision. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 132, 103371	8.4	8
9	Reference study of CityGML software support: The GeoBIM benchmark 2019Part II. <i>Transactions in GIS</i> , 2021 , 25, 842-868	2.1	6

8	Reference study of IFC software support: The GeoBIM benchmark 2019Part I. <i>Transactions in GIS</i> , 2021 , 25, 805-841	2.1	6
7	The Internet-of-Buildings (IoB) Digital twin convergence of wearable and IoT data with GIS/BIM. <i>Journal of Physics: Conference Series</i> , 2021 , 2042, 012041	0.3	5
6	Linking Persistent Scatterers to the Built Environment Using Ray Tracing on Urban Models. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 5764-5776	8.1	3
5	Infrared thermography in the built environment: A multi-scale review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 165, 112540	16.2	3
4	GANmapper: geographical data translation. <i>International Journal of Geographical Information Science</i> , 1-29	4.1	2
3	Global Building Morphology Indicators. <i>Computers, Environment and Urban Systems</i> , 2022 , 95, 101809	5.9	2
2	Population estimation beyond counts-Inferred demographic characteristics.. <i>PLoS ONE</i> , 2022 , 17, e0266484	18.4	1
1	Emerging topics in 3D GIS. <i>Transactions in GIS</i> , 2021 , 25, 3-5	2.1	0