Filip Biljecki

List of Publications by Year in Descending Order

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	Population estimation beyond counts-Inferring demographic characteristics.. *PLoS ONE*, **2022**, 17, e0266484	3.7	1
42	Global Building Morphology Indicators. *Computers, Environment and Urban Systems*, **2022**, 95, 101809	5.9	2
41	Infrared thermography in the built environment: A multi-scale review. *Renewable and Sustainable Energy Reviews*, **2022**, 165, 112540	16.2	3
40	The Internet-of-Buildings (IoB) – Digital twin convergence of wearable and IoT data with GIS/BIM. *Journal of Physics: Conference Series*, **2021**, 2042, 012041	0.3	5
39	3D city models for urban farming site identification in buildings. *Computers, Environment and Urban Systems*, **2021**, 86, 101584	5.9	13
38	Extending CityGML for IFC-sourced 3D city models. *Automation in Construction*, **2021**, 121, 103440	9.6	18
37	Reference study of CityGML software support: The GeoBIM benchmark 2019 – Part II. *Transactions in GIS*, **2021**, 25, 842-868	2.1	6
36	3dfier: automatic reconstruction of 3D city models. *Journal of Open Source Software*, **2021**, 6, 2866	5.2	13
35	Emerging topics in 3D GIS. *Transactions in GIS*, **2021**, 25, 3-5	2.1	0
34	Roofpedia: Automatic mapping of green and solar roofs for an open roofscape registry and evaluation of urban sustainability. *Landscape and Urban Planning*, **2021**, 214, 104167	7.7	9
33	Assessing bikeability with street view imagery and computer vision. *Transportation Research Part C: Emerging Technologies*, **2021**, 132, 103371	8.4	8
32	Classification of urban morphology with deep learning: Application on urban vitality. *Computers, Environment and Urban Systems*, **2021**, 90, 101706	5.9	9
31	Street view imagery in urban analytics and GIS: A review. *Landscape and Urban Planning*, **2021**, 215, 104217	7.7	27
30	Reference study of IFC software support: The GeoBIM benchmark 2019 – Part I. *Transactions in GIS*, **2021**, 25, 805-841	2.1	6
29	An application-driven LOD modeling paradigm for 3D building models. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2020**, 161, 194-207	11.8	18
28	Tools for BIM-GIS Integration (IFC Georeferencing and Conversions): Results from the GeoBIM Benchmark 2019. *ISPRS International Journal of Geo-Information*, **2020**, 9, 502	2.9	20
27	Linking Persistent Scatterers to the Built Environment Using Ray Tracing on Urban Models. *IEEE Transactions on Geoscience and Remote Sensing*, **2019**, 57, 5764-5776	8.1	3

26	Circular economy and real estate: the legal (im)possibilities of operational lease. *Facilities*, **2019**, 37, 653-668	2.2	10
25	The effect of acquisition error and level of detail on the accuracy of spatial analyses. *Cartography and Geographic Information Science*, **2018**, 45, 156-176	2.1	19
24	CityGML Application Domain Extension (ADE): overview of developments. *Open Geospatial Data, Software and Standards*, **2018**, 3,	4.9	40
23	Achieving Complete and Near-Lossless Conversion from IFC to CityGML. *ISPRS International Journal of Geo-Information*, **2018**, 7, 355	2.9	34
22	Modeling Cities and Landscapes in 3D with CityGML **2018**, 199-215		11
21	Generating 3D city models without elevation data. *Computers, Environment and Urban Systems*, **2017**, 64, 1-18	5.9	59
20	The Dutch urban ground lease: A valuable tool for land policy?. *Land Use Policy*, **2017**, 63, 78-85	5.6	10
19	The VI-Suite: a set of environmental analysis tools with geospatial data applications. *Open Geospatial Data, Software and Standards*, **2017**, 2,	4.9	14
18	Registration of Multi-Level Property Rights in 3D in The Netherlands: Two Cases and Next Steps in Further Implementation. *ISPRS International Journal of Geo-Information*, **2017**, 6, 158	2.9	28
17	Does a Finer Level of Detail of a 3D City Model Bring an Improvement for Estimating Shadows?. *Lecture Notes in Geoinformation and Cartography*, **2017**, 31-47	0.3	11
16	A scientometric analysis of selected GIScience journals. *International Journal of Geographical Information Science*, **2016**, 30, 1302-1335	4.1	23
15	Population Estimation Using a 3D City Model: A Multi-Scale Country-Wide Study in the Netherlands. *PLoS ONE*, **2016**, 11, e0156808	3.7	33
14	Automatic Update of Road Attributes by Mining GPS Tracks. *Transactions in GIS*, **2016**, 20, 664-683	2.1	23
13	The variants of an LOD of a 3D building model and their influence on spatial analyses. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2016**, 116, 42-54	11.8	32
12	An improved LOD specification for 3D building models. *Computers, Environment and Urban Systems*, **2016**, 59, 25-37	5.9	141
11	Automatically enhancing CityGML LOD2 models with a corresponding indoor geometry. *International Journal of Geographical Information Science*, **2015**, 29, 2248-2268	4.1	36
10	Propagation of positional error in 3D GIS: estimation of the solar irradiation of building roofs. *International Journal of Geographical Information Science*, **2015**, 29, 2269-2294	4.1	35
9	Modeling a 3D City Model and Its Levels of Detail as a True 4D Model. *ISPRS International Journal of Geo-Information*, **2015**, 4, 1055-1075	2.9	28

8	Applications of 3D City Models: State of the Art Review. *ISPRS International Journal of Geo-Information*, **2015**, 4, 2842-2889	2.9	296
7	Improving the Consistency of Multi-LOD CityGML Datasets by Removing Redundancy. *Lecture Notes in Geoinformation and Cartography*, **2015**, 1-17	0.3	14
6	Formalisation of the level of detail in 3D city modelling. *Computers, Environment and Urban Systems*, **2014**, 48, 1-15	5.9	91
5	3D cadastre in the Netherlands: Developments and international applicability. *Computers, Environment and Urban Systems*, **2013**, 40, 56-67	5.9	46
4	Transportation mode-based segmentation and classification of movement trajectories. *International Journal of Geographical Information Science*, **2013**, 27, 385-407	4.1	93
3	Solutions for 4D cadastre – with a case study on utility networks. *International Journal of Geographical Information Science*, **2011**, 25, 1173-1189	4.1	36
2	4D cadastres: First analysis of legal, organizational, and technical impact – With a case study on utility networks. *Land Use Policy*, **2010**, 27, 1068-1081	5.6	49
1	GANmapper: geographical data translation. *International Journal of Geographical Information Science*,1-29	4.1	2