

Robert Hecht

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

664
citations

758635

12
h-index

676716

22
g-index

32
all docs

32
docs citations

32
times ranked

753
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring Completeness of Building Footprints in OpenStreetMap over Space and Time. ISPRS International Journal of Geo-Information, 2013, 2, 1066-1091.	1.4	143
2	Analyzing building stock using topographic maps and GIS. Building Research and Information, 2009, 37, 468-482.	2.0	75
3	Automatic identification of building types based on topographic databases – a comparison of different data sources. International Journal of Cartography, 2015, 1, 18-31.	0.2	64
4	Semantic enrichment of building data with volunteered geographic information to improve mappings of dwelling units and population. Computers, Environment and Urban Systems, 2015, 53, 4-18.	3.3	55
5	Estimation of Urban Green Volume Based on Single-Pulse LiDAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3832-3840.	2.7	51
6	Data fusion of extremely high resolution aerial imagery and LiDAR data for automated railroad centre line reconstruction. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, S40-S51.	4.9	39
7	What to do in, and what to expect from, urban green spaces – Indicator-based approach to assess cultural ecosystem services. Urban Forestry and Urban Greening, 2021, 59, 126986.	2.3	31
8	Assessing urban containment policies within a suburban context – An approach to enable a regional perspective. Land Use Policy, 2018, 77, 846-858.	2.5	30
9	Mapping Public Urban Green Spaces Based on OpenStreetMap and Sentinel-2 Imagery Using Belief Functions. ISPRS International Journal of Geo-Information, 2021, 10, 251.	1.4	30
10	Determinants of commuting patterns in a rural-urban megaregion of India. Transport Policy, 2018, 68, 98-106.	3.4	21
11	Mapping Long-Term Dynamics of Population and Dwellings Based on a Multi-Temporal Analysis of Urban Morphologies. ISPRS International Journal of Geo-Information, 2019, 8, 2.	1.4	20
12	A Workflow for Automatic Quantification of Structure and Dynamic of the German Building Stock Using Official Spatial Data. ISPRS International Journal of Geo-Information, 2016, 5, 142.	1.4	16
13	Automatic Delineation of Urban Growth Boundaries Based on Topographic Data Using Germany as a Case Study. ISPRS International Journal of Geo-Information, 2021, 10, 353.	1.4	12
14	Innovative Approaches, Tools and Visualization Techniques for Analysing Land Use Structures and Dynamics of Cities and Regions (Editorial). Journal of Geovisualization and Spatial Analysis, 2020, 4, 1.	2.1	10
15	Urban infill development potential in Germany: comparing survey and GIS data. Buildings and Cities, 2021, 2, 36-54.	1.1	10
16	Do land policies make a difference? A data-driven approach to trace effects on urban form in France and Germany. Environment and Planning B: Urban Analytics and City Science, 2022, 49, 114-130.	1.0	7
17	3D Reconstruction of Urban History Based on Old Maps. Communications in Computer and Information Science, 2018, , 63-79.	0.4	7
18	A Supervised Approach to Delineate Built-Up Areas for Monitoring and Analysis of Settlements. ISPRS International Journal of Geo-Information, 2016, 5, 137.	1.4	6

#	ARTICLE	IF	CITATIONS
19	Urban big data analytics and morphology. Environment and Planning B: Urban Analytics and City Science, 2019, 46, 1203-1205.	1.0	5
20	Sensitivity analysis in multi-criteria evaluation of the suitability of urban green spaces for recreational activities. AGILE: GIScience Series, 0, 2, 1-8.	0.0	5
21	Investigating the suitability of Sentinel-2 data to derive the urban vegetation structure. , 2018, , .		5
22	A WEB APP TO GENERATE AND DISSEMINATE NEW KNOWLEDGE ON URBAN GREEN SPACE QUALITIES AND THEIR ACCESSIBILITY. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, VIII-4/W1-2021, 65-72.	0.0	4
23	Two decades of urban and rural restructuring in India: An empirical investigation along Delhi-Mumbai Industrial Corridor. Habitat International, 2021, 117, 102444.	2.3	4
24	Crowd-sourced data collection to support automatic classification of building footprint data. Proceedings of the ICA, 0, 1, 1-7.	0.0	4
25	Geospatial Modeling Approaches to Historical Settlement and Landscape Analysis. ISPRS International Journal of Geo-Information, 2022, 11, 75.	1.4	3
26	Raumstrukturelle Ausgangssituation und VerÄnderungen der FlÄchennutzung. , 2011, , 19-49.		2
27	Approach to user group-specific assessment of urban green spaces for a more equitable supply exemplified by the elderly population. One Ecosystem, 0, 7, .	0.0	2
28	Spatial Assessment of Commuting Patterns in India's National Capital Region. Built Environment, 2019, 45, 507-522.	0.4	1
29	APPROACHES TO DISTINGUISH "REAL" CHANGES FROM "UNREAL" CHANGES BASED ON MULTI-TEMPORAL 2D BUILDING FOOTPRINT DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4, 559-563.	0.2	1
30	Comparative Study on Matching Methods for the Distinction of Building Modifications and Replacements Based on Multi-Temporal Building Footprint Data. ISPRS International Journal of Geo-Information, 2022, 11, 91.	1.4	0