

Johannes H Uhl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4723099/publications.pdf>

Version: 2024-02-01

29
papers

512
citations

623188

14
h-index

713013

21
g-index

34
all docs

34
docs citations

34
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the accuracy of multi-temporal built-up land layers across rural-urban trajectories in the United States. <i>Remote Sensing of Environment</i> , 2018, 204, 898-917.	4.6	74
2	Two centuries of settlement and urban development in the United States. <i>Science Advances</i> , 2020, 6, eaba2937.	4.7	60
3	HISDAC-US, historical settlement data compilation for the conterminous United States over 200 years. <i>Scientific Data</i> , 2018, 5, 180175.	2.4	47
4	Map Archive Mining: Visual-Analytical Approaches to Explore Large Historical Map Collections. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 148.	1.4	36
5	Automated Extraction of Human Settlement Patterns From Historical Topographic Map Series Using Weakly Supervised Convolutional Neural Networks. <i>IEEE Access</i> , 2020, 8, 6978-6996.	2.6	30
6	Using Historical Maps in Scientific Studies. <i>Springer Briefs in Geography</i> , 2020, , .	0.1	26
7	Spatialising uncertainty in image segmentation using weakly supervised convolutional neural networks: a case study from historical map processing. <i>IET Image Processing</i> , 2018, 12, 2084-2091.	1.4	20
8	Automatic alignment of contemporary vector data and georeferenced historical maps using reinforcement learning. <i>International Journal of Geographical Information Science</i> , 2020, 34, 824-849.	2.2	20
9	Fine-grained, spatiotemporal datasets measuring 200 years of land development in the United States. <i>Earth System Science Data</i> , 2021, 13, 119-153.	3.7	20
10	A century of decoupling size and structure of urban spaces in the United States. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	19
11	Automatic alignment of geographic features in contemporary vector data and historical maps. , 2017, , .		17
12	Towards the automated large-scale reconstruction of past road networks from historical maps. <i>Computers, Environment and Urban Systems</i> , 2022, 94, 101794.	3.3	17
13	Road network evolution in the urban and rural United States since 1900. <i>Computers, Environment and Urban Systems</i> , 2022, 95, 101803.	3.3	17
14	Towards a novel backdating strategy for creating built-up land time series data using contemporary spatial constraints. <i>Remote Sensing of Environment</i> , 2020, 238, 111197.	4.6	16
15	Framework for agricultural performance assessment based on MODIS multitemporal data. <i>Journal of Applied Remote Sensing</i> , 2019, 13, 1.	0.6	16
16	Exposing the urban continuum: implications and cross-comparison from an interdisciplinary perspective. <i>International Journal of Digital Earth</i> , 2020, 13, 22-44.	1.6	15
17	Building Linked Spatio-Temporal Data from Vectorized Historical Maps. <i>Lecture Notes in Computer Science</i> , 2020, , 409-426.	1.0	9
18	Combining Remote-Sensing-Derived Data and Historical Maps for Long-Term Back-Casting of Urban Extents. <i>Remote Sensing</i> , 2021, 13, 3672.	1.8	8

#	ARTICLE	IF	CITATIONS
19	An Automatic Approach for Generating Rich, Linked Geo-Metadata from Historical Map Images. , 2020, , .		7
20	Training Deep Learning Models for Geographic Feature Recognition from Historical Maps. Springer Briefs in Geography, 2020, , 65-98.	0.1	6
21	A scale-sensitive framework for the spatially explicit accuracy assessment of binary built-up surface layers. Remote Sensing of Environment, 2022, 279, 113117.	4.6	6
22	MTBF-33: A multi-temporal building footprint dataset for 33 counties in the United States (1900 â€“ 2015). Data in Brief, 2022, 43, 108369.	0.5	5
23	Historical Map Applications and Processing Technologies. Springer Briefs in Geography, 2020, , 9-36.	0.1	4
24	A framework for radiometric sensitivity evaluation of medium resolution remote sensing time series data to built-up land cover change. , 2017, , .		3
25	Creating Structured, Linked Geographic Data from Historical Maps: Challenges and Trends. Springer Briefs in Geography, 2020, , 37-63.	0.1	3
26	Automating Information Extraction from Large Historical Topographic Map Archives: New Opportunities and Challenges. , 2021, , 509-522.		3
27	A Label Correction Algorithm Using Prior Information for Automatic and Accurate Geospatial Object Recognition. , 2021, , .		1
28	Guided Generative Models using Weak Supervision for Detecting Object Spatial Arrangement in Overhead Images. , 2021, , .		0
29	Towards the large-scale extraction of historical land cover information from historical maps. Abstracts of the ICA, 0, 3, 1-2.	0.0	0