Jan Dirk Wegner

List of Publications by Year
in descending order

25 papers	1,537 citations	471509 17 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	1595 citing authors

#	Article	IF	Citations
1	Results of the ISPRS benchmark on urban object detection and 3D building reconstruction. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 93, 256-271.	11.1	285
2	Learning Aerial Image Segmentation From Online Maps. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6054-6068.	6.3	202
3	Keypoint-based 4-Points Congruent Sets â€" Automated marker-less registration of laser scans. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 96, 149-163.	11.1	160
4	Country-wide high-resolution vegetation height mapping with Sentinel-2. Remote Sensing of Environment, 2019, 233, 111347.	11.0	113
5	From Google Maps to a fine-grained catalog of street trees. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 135, 13-30.	11.1	104
6	Global canopy height regression and uncertainty estimation from GEDI LIDAR waveforms with deep ensembles. Remote Sensing of Environment, 2022, 268, 112760.	11.0	89
7	Globally consistent registration of terrestrial laser scans via graph optimization. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 109, 126-138.	11.1	74
8	Road networks as collections of minimum cost paths. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 108, 128-137.	11.1	70
9	Crop mapping from image time series: Deep learning with multi-scale label hierarchies. Remote Sensing of Environment, 2021, 264, 112603.	11.0	64
10	Scalable flood level trend monitoring with surveillance cameras using a deep convolutional neural network. Hydrology and Earth System Sciences, 2019, 23, 4621-4634.	4.9	59
11	Toward Seamless Multiview Scene Analysis From Satellite to Street Level. Proceedings of the IEEE, 2017, 105, 1884-1899.	21.3	49
12	Matching of straight line segments from aerial stereo images of urban areas. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 74, 133-152.	11.1	46
13	Deep Learning and Earth Observation to Support the Sustainable Development Goals: Current approaches, open challenges, and future opportunities. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 172-200.	9.6	43
14	Toward a Collective Agenda on AI for Earth Science Data Analysis. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 88-104.	9.6	35
15	Geocoding of trees from street addresses and street-level images. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 162, 125-136.	11.1	29
16	Defoliation estimation of forest trees from ground-level images. Remote Sensing of Environment, 2019, 223, 143-153.	11.0	23
17	GRAINet: mapping grain size distributions in river beds from UAV images with convolutional neural networks. Hydrology and Earth System Sciences, 2021, 25, 2567-2597.	4.9	21
18	Simultaneous Multi-View Instance Detection With Learned Geometric Soft-Constraints. , 2019, , .		16

#	Article	IF	Citations
19	Crop Classification Under Varying Cloud Cover With Neural Ordinary Differential Equations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	11
20	Applying deep neural networks to predict incidence and phenology of plant pests and diseases. Ecosphere, 2021, 12, e03791.	2.2	11
21	Domain Adaptation for Semantic Segmentation of Historical Panchromatic Orthomosaics in Central Africa. ISPRS International Journal of Geo-Information, 2021, 10, 523.	2.9	6
22	Foreword to the Special Issue on Machine Learning for Geospatial Data Analysis. ISPRS International Journal of Geo-Information, 2018, 7, 147.	2.9	3
23	Multi-View Instance Matching with Learned Geometric Soft-Constraints. ISPRS International Journal of Geo-Information, 2020, 9, 687.	2.9	3
24	Modeling of Residual GNSS Station Motions through Meteorological Data in a Machine Learning Approach. Remote Sensing, 2022, 14, 17.	4.0	3
25	Report on the IEEE GRSS/ISPRS Workshop EarthVision @ CVPR 2015 (Boston, MA) [Technical Committees]. IEEE Geoscience and Remote Sensing Magazine, 2015, 3, 121-129.	9.6	1