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	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
2	Global canopy height regression and uncertainty estimation from GEDI LIDAR waveforms with deep ensembles. Remote Sensing of Environment, 2022, 268, 112760.	11.0	89
3	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
4	Modeling of Residual GNSS Station Motions through Meteorological Data in a Machine Learning Approach. Remote Sensing, 2022, 14, 17.	4.0	3
5	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
6	Toward a Collective Agenda on AI for Earth Science Data Analysis. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 88-104.	9.6	35
7	Domain Adaptation for Semantic Segmentation of Historical Panchromatic Orthomosaics in Central Africa. ISPRS International Journal of Geo-Information, 2021, 10, 523.	2.9	6
8	Crop mapping from image time series: Deep learning with multi-scale label hierarchies. Remote Sensing of Environment, 2021, 264, 112603.	11.0	64
9	Applying deep neural networks to predict incidence and phenology of plant pests and diseases. Ecosphere, 2021, 12, e03791.	2.2	11
10	Multi-View Instance Matching with Learned Geometric Soft-Constraints. ISPRS International Journal of Geo-Information, 2020, 9, 687.	2.9	3
11	Geocoding of trees from street addresses and street-level images. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 162, 125-136.	11.1	29
12	Country-wide high-resolution vegetation height mapping with Sentinel-2. Remote Sensing of Environment, 2019, 233, 111347.	11.0	113
13	Defoliation estimation of forest trees from ground-level images. Remote Sensing of Environment, 2019, 223, 143-153.	11.0	23
14	Simultaneous Multi-View Instance Detection With Learned Geometric Soft-Constraints. , 2019, , .		16
15	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
16	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
17	Foreword to the Special Issue on Machine Learning for Geospatial Data Analysis. ISPRS International Journal of Geo-Information, 2018, 7, 147.	2.9	3
18	Toward Seamless Multiview Scene Analysis From Satellite to Street Level. Proceedings of the IEEE, 2017, 105, 1884-1899.	21.3	49

#	Article	IF	Citations
19	Learning Aerial Image Segmentation From Online Maps. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6054-6068.	6.3	202
20	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
21	Road networks as collections of minimum cost paths. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 108, 128-137.	11.1	70
22	Globally consistent registration of terrestrial laser scans via graph optimization. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 109, 126-138.	11.1	74
23	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
24	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
25	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