

# Peter Krzystek

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,172  
citations

623734

14  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of Tree Species and Standing Dead Trees with Lidar Point Clouds Using Two Deep Neural Networks: PointCNN and 3DmFV-Net. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2022, 90, 103-121.	1.1	12
2	Editorial for Special Issue: Advanced Methods and Applications in Remote Sensing for Forestry and Agroforestry. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2022, 90, 91-91.	1.1	0
3	Combining graph-cut clustering with object-based stem detection for tree segmentation in highly dense airborne lidar point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 172, 207-222.	11.1	29
4	A laboratory for conceiving Essential Biodiversity Variables (EBVs)â€”The â€”Data pool initiative for the Bohemian Forest Ecosystemâ€”™. Methods in Ecology and Evolution, 2021, 12, 2073-2083.	5.2	4
5	Heterogeneityâ€”diversity relationships differ between and within trophic levels in temperate forests. Nature Ecology and Evolution, 2020, 4, 1204-1212.	7.8	76
6	Detection of radioactive waste sites in the Chernobyl exclusion zone using UAV-based lidar data and multispectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 345-362.	11.1	11
7	Editorial: Remote and Proximal Sensing of Grasslands. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2020, 88, 367-368.	1.1	0
8	Large-Scale Mapping of Tree Species and Dead Trees in Åumava National Park and Bavarian Forest National Park Using Lidar and Multispectral Imagery. Remote Sensing, 2020, 12, 661.	4.0	33
9	Radar vision in the mapping of forest biodiversity from space. Nature Communications, 2019, 10, 4757.	12.8	66
10	Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a Temperate Forest. Remote Sensing, 2019, 11, 2614.	4.0	14
11	Learning a constrained conditional random field for enhanced segmentation of fallen trees in ALS point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 140, 33-44.	11.1	20
12	Adaptive stopping criterion for top-down segmentation of ALS point clouds in temperate coniferous forests. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 141, 265-274.	11.1	23
13	A voting-based statistical cylinder detection framework applied to fallen tree mapping in terrestrial laser scanning point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 129, 118-130.	11.1	22
14	Objektbasierte Segmentierung und Klassifikation von LiDAR-Punktwolken. , 2017, , 645-684.		1
15	Estimation of regeneration coverage in a temperate forest by 3D segmentation using airborne laser scanning data. International Journal of Applied Earth Observation and Geoinformation, 2016, 52, 252-262.	2.8	26
16	Combining Active and Semisupervised Learning of Remote Sensing Data Within a Renyi Entropy Regularization Framework. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2910-2922.	4.9	15
17	Estimating over- and understory canopy density of temperate mixed stands by airborne LiDAR data. Forestry, 2016, 89, 69-81.	2.3	52
18	Active learning approach to detecting standing dead trees from ALS point clouds combined with aerial infrared imagery. , 2015, , .		15

#	ARTICLE	IF	CITATIONS
19	Detection of fallen trees in ALS point clouds using a Normalized Cut approach trained by simulation. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 105, 252-271.	11.1	68
20	Objektbasierte Segmentierung und Klassifikation von LiDAR-Punktwolken. , 2015, , 1-40.		0
21	Sensitivity Analysis of 3D Individual Tree Detection from LiDAR Point Clouds of Temperate Forests. Forests, 2014, 5, 1122-1142.	2.1	32
22	Lidar Strip Adjustment with Automatically Reconstructed Roof Shapes. Photogrammetric Record, 2012, 27, 272-292.	0.4	14
23	Tree species classification and estimation of stem volume and DBH based on single tree extraction by exploiting airborne full-waveform LiDAR data. Remote Sensing of Environment, 2012, 123, 368-380.	11.0	249
24	Extraction of Non-forest Trees for Biomass Assessment Based on Airborne and Terrestrial LiDAR Data. Lecture Notes in Computer Science, 2011, , 121-132.	1.3	4
25	3D segmentation of single trees exploiting full waveform LiDAR data. ISPRS Journal of Photogrammetry and Remote Sensing, 2009, 64, 561-574.	11.1	371
26	Complete Automation of Digital Aerial Triangulation. Photogrammetric Record, 1997, 15, 645-656.	0.4	8
27	Real-time positioning of moving objects by dynamic target tracking. ISPRS Journal of Photogrammetry and Remote Sensing, 1991, 46, 147-160.	11.1	2