

# Piotr WÄÅ<sup>1/4</sup>yk

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

650  
citations

623734

14  
h-index

580821

25  
g-index

37  
all docs

37  
docs citations

37  
times ranked

851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring 3D Changes in Urban Forests Using Landscape Metrics Analyses Based on Multi-Temporal Remote Sensing Data. <i>Land</i> , 2022, 11, 883.	2.9	9
2	Use of Bi-Temporal ALS Point Clouds for Tree Removal Detection on Private Property in RacibÅ³rz, Poland. <i>Remote Sensing</i> , 2021, 13, 767.	4.0	5
3	Tree height as the main factor causing disappearance of the terricolous lichens in the lichen Scots pine forests. <i>Science of the Total Environment</i> , 2021, 771, 144834.	8.0	4
4	Improving methods to calculate the loss of ecosystem services provided by urban trees using LiDAR and aerial orthophotos. <i>Urban Forestry and Urban Greening</i> , 2021, 63, 127195.	5.3	15
5	Monitoring of urban forests using 3D spatial indices based on LiDAR point clouds and voxel approach. <i>Urban Forestry and Urban Greening</i> , 2021, 65, 127324.	5.3	13
6	Novel low-cost mobile mapping systems for forest inventories as terrestrial laser scanning alternatives. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 104, 102512.	2.8	26
7	Geo-Questionnaire for Environmental Planning: The Case of Ecosystem Services Delivered by Trees in Poland. <i>Data</i> , 2021, 6, 128.	2.3	3
8	Spatiotemporal Changes in 3D Building Density with LiDAR and GEOBIA: A City-Level Analysis. <i>Remote Sensing</i> , 2020, 12, 3668.	4.0	5
9	Introduction to the special issue: "Earth observation supporting sustainability research". <i>European Journal of Remote Sensing</i> , 2020, 53, 1-2.	3.5	4
10	Introducing GEOBIA to Landscape Imageability Assessment: A Multi-Temporal Case Study of the Nature Reserve "KÅ³zkiÅ³", Poland. <i>Remote Sensing</i> , 2020, 12, 2792.	4.0	11
11	The Use of Remotely Sensed Data and Polish NFI Plots for Prediction of Growing Stock Volume Using Different Predictive Methods. <i>Remote Sensing</i> , 2020, 12, 3331.	4.0	19
12	An allometric area-based approach" a cost-effective method for stand volume estimation based on ALS and NFI data. <i>Forestry</i> , 2020, 93, 344-358.	2.3	3
13	Influence of the environmental factors on the species composition of lichen Scots pine forests as a guide to maintain the community (Bory Tucholskie National Park, Poland). <i>Global Ecology and Conservation</i> , 2020, 22, e01017.	2.1	7
14	A spatially explicit database of wind disturbances in European forests over the period 2000-2018. <i>Earth System Science Data</i> , 2020, 12, 257-276.	9.9	52
15	Fusing Sentinel-2 Imagery and ALS Point Clouds for Defining LULC Changes on Reclaimed Areas by Afforestation. <i>Sustainability</i> , 2019, 11, 1251.	3.2	13
16	Using LiDAR Point Clouds in Determination of the Scots Pine Stands Spatial Structure Meaning in the Conservation of Lichen Communities in "Bory Tucholskie" National Park. <i>Archiwum Fotogrametrii, Kartografii i Teledetekcji</i> , 2019, 31, 85-103.	0.2	5
17	SMART GREEN INFRASTRUCTURE IN A SMART CITY " THE CASE STUDY OF ECOSYSTEM SERVICES EVALUATION IN KRAKOW BASED ON I-TREE ECO SOFTWARE. <i>GeoScience Engineering</i> , 2019, 65, 36-43.	0.3	7
18	Estimating defoliation of Scots pine stands using machine learning methods and vegetation indices of Sentinel-2. <i>European Journal of Remote Sensing</i> , 2018, 51, 194-204.	3.5	81

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19	Distance to neighbour calculations among OBIA primitives as an innovation to urban mapping techniques. <i>International Journal of Image and Data Fusion</i> , 2018, 9, 21-42.	1.7	0
20	Forest cover changes in Gorce NP (Poland) using photointerpretation of analogue photographs and GEOBIA of orthophotos and nDSM based on image-matching based approach. <i>European Journal of Remote Sensing</i> , 2018, 51, 501-510.	3.5	8
21	Predicting Growing Stock Volume of Scots Pine Stands Using Sentinel-2 Satellite Imagery and Airborne Image-Derived Point Clouds. <i>Forests</i> , 2018, 9, 274.	2.1	28
22	Understanding farmland abandonment in the Polish Carpathians. <i>Applied Geography</i> , 2017, 88, 62-72.	3.7	93
23	Area-based estimation of growing stock volume in Scots pine stands using ALS and airborne image-based point clouds. <i>Forestry</i> , 2017, 90, 686-696.	2.3	20
24	Trophic conditions of forest soils of the Pieniny National Park, southern Poland. <i>Soil Science Annual</i> , 2017, 68, 205-211.	0.8	3
25	Using Geobia and Data Fusion Approach for Land use and Land Cover Mapping. <i>Quaestiones Geographicae</i> , 2016, 35, 93-104.	1.1	3
26	Measuring visual pollution by outdoor advertisements in an urban street using intervisibility analysis and public surveys. <i>International Journal of Geographical Information Science</i> , 2016, 30, 801-818.	4.8	50
27	Monitoring the Secondary Forest Succession and Land Cover/Use Changes of the BÄ™Ä¼w Desert (Poland) Using Geospatial Analyses. <i>Quaestiones Geographicae</i> , 2016, 35, 1-13.	1.1	9
28	Landscape monitoring of post-industrial areas using LiDAR and GIS technology. <i>Geodesy and Cartography</i> , 2015, 64, 125-137.	0.4	15
29	The analysis of spatial and temporal changes of land cover and land use in the reclaimed areas with the application of airborne orthophotomaps and LANDSAT images. <i>Geodesy and Cartography</i> , 2015, 64, 75-86.	0.4	8
30	Determination of the spatial structure of vegetation on the repository of the mine "Fryderyk" in Tarnowskie G"ory, based on airborne laser scanning from the ISOK project and digital orthophotomaps. <i>Geodesy and Cartography</i> , 2015, 64, 87-99.	0.4	6
31	Quantitative and Qualitative Assessment of Soil Erosion Risk in Ma"opolska (Poland), Supported by an Object-Based Analysis of High-Resolution Satellite Images. <i>Pure and Applied Geophysics</i> , 2014, 171, 867-895.	1.9	42
32	Aerial Orthophoto and Airborne Laser Scanning as Monitoring Tools for Land Cover Dynamics: A Case Study from the Milicz Forest District (Poland). <i>Pure and Applied Geophysics</i> , 2014, 171, 857-866.	1.9	28
33	Volumetric changes of a soft cliff coast 2008"2012 based on DTM from airborne laser scanning (Wolin Island, southern Baltic Sea). <i>Journal of Coastal Research</i> , 2014, 70, 59-64.	0.3	15
34	Use of Airborne Laser Scanning Data for a Revision and Update of a Digital Forest Map and its Descriptive Database: A Case Study from the Tatra National Park. <i>Environmental Science and Engineering</i> , 2013, , 615-627.	0.2	3
35	Using High Resolution LiDAR Data for Snow Avalanche Hazard Mapping. <i>Environmental Science and Engineering</i> , 2013, , 597-613.	0.2	0
36	The integration of the terrestrial and airborne laser scanning technologies in the semi-automated process of retrieving selected trees and forest stand parameters / Integra"o das tecnologias terrestre e aerotransportada de scanner laser no processo semi-autom"tico de recupera"o de "rvores selecionadas e de par"metros de povoamentos florestais. <i>Ambi"ncia</i> , 2012, 8, 533-548.	0.1	4

#	ARTICLE	IF	CITATIONS
37	Allometric equations for estimating the foliage biomass of Scots pine. European Journal of Forest Research, 2007, 126, 263-270.	2.5	33