Piotr WÄÅ¼yk

List of Publications by Year
in descending order

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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	Understanding farmland abandonment in the Polish Carpathians. Applied Geography, 2017, 88, 62-72.	3.7	93
2	Estimating defoliation of Scots pine stands using machine learning methods and vegetation indices of Sentinel-2. European Journal of Remote Sensing, 2018, 51, 194-204.	3.5	81
3	A spatially explicit database of wind disturbances in European forests over the periodÂ2000â€“2018. Earth System Science Data, 2020, 12, 257-276.	9.9	52
4	Measuring visual pollution by outdoor advertisements in an urban street using intervisibilty analysis and public surveys. International Journal of Geographical Information Science, 2016, 30, 801-818.	4.8	50
5	Quantitative and Qualitative Assessment of Soil Erosion Risk in MaÅ‚opolska (Poland), Supported by an Object-Based Analysis of High-Resolution Satellite Images. Pure and Applied Geophysics, 2014, 171, 867-895.	1.9	42
6	Allometric equations for estimating the foliage biomass of Scots pine. European Journal of Forest Research, 2007, 126, 263-270.	2.5	33
7	Aerial Orthophoto and Airborne Laser Scanning as Monitoring Tools for Land Cover Dynamics: A Case Study from the Milicz Forest District (Poland). Pure and Applied Geophysics, 2014, 171, 857-866.	1.9	28
8	Predicting Growing Stock Volume of Scots Pine Stands Using Sentinel-2 Satellite Imagery and Airborne Image-Derived Point Clouds. Forests, 2018, 9, 274.	2.1	28
9	Novel low-cost mobile mapping systems for forest inventories as terrestrial laser scanning alternatives. International Journal of Applied Earth Observation and Geoinformation, 2021, 104, 102512.	2.8	26
10	Area-based estimation of growing stock volume in Scots pine stands using ALS and airborne image-based point clouds. Forestry, 2017, 90, 686-696.	2.3	20
11	The Use of Remotely Sensed Data and Polish NFI Plots for Prediction of Growing Stock Volume Using Different Predictive Methods. Remote Sensing, 2020, 12, 3331.	4.0	19
12	Volumetric changes of a soft cliff coast 2008â€“2012 based on DTM from airborne laser scanning (Wolin Island, southern Baltic Sea). Journal of Coastal Research, 2014, 70, 59-64.	0.3	15
13	Landscape monitoring of post-industrial areas using LiDAR and GIS technology. Geodesy and Cartography, 2015, 64, 125-137.	0.4	15
14	Improving methods to calculate the loss of ecosystem services provided by urban trees using LiDAR and aerial orthophotos. Urban Forestry and Urban Greening, 2021, 63, 127195.	5.3	15
15	Fusing Sentinel-2 Imagery and ALS Point Clouds for Defining LULC Changes on Reclaimed Areas by Afforestation. Sustainability, 2019, 11, 1251.	3.2	13
16	Monitoring of urban forests using 3D spatial indices based on LiDAR point clouds and voxel approach. Urban Forestry and Urban Greening, 2021, 65, 127324.	5.3	13
17	Introducing GEOBIA to Landscape Imageability Assessment: A Multi-Temporal Case Study of the Nature Reserve â€œKÃ³zkiâ€ Poland. Remote Sensing, 2020, 12, 2792.	4.0	11
18	Monitoring the Secondary Forest Succession and Land Cover/Use Changes of the BÅ‚Ä™dÃ³w Desert (Poland) Using Geospatial Analyses. Quaestiones Geographicae, 2016, 35, 1-13.	1.1	9

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19	Monitoring 3D Changes in Urban Forests Using Landscape Metrics Analyses Based on Multi-Temporal Remote Sensing Data. Land, 2022, 11, 883.	2.9	9
20	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. Geodesy and Cartography, 2015, 64, 75-86.	0.4	8
21	Forest cover changes in Gorce NP (Poland) using photointerpretation of analogue photographs and GEOBIA of orthophotos and nDSM based on image-matching based approach. European Journal of Remote Sensing, 2018, 51, 501-510.	3.5	8
22	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). Global Ecology and Conservation, 2020, 22, e01017.	2.1	7
23	SMART GREEN INFRASTRUCTURE IN A SMART CITY â€“ THE CASE STUDY OF ECOSYSTEM SERVICES EVALUATION IN KRAKOW BASED ON I-TREE ECO SOFTWARE. GeoScience Engineering, 2019, 65, 36-43.	0.3	7
24	Determination of the spatial structure of vegetation on the repository of the mine â€œFryderykâ€•in Tarnowskie GÃ³ry, based on airborne laser scanning from the ISOK project and digital orthophotomaps. Geodesy and Cartography, 2015, 64, 87-99.	0.4	6
25	Spatiotemporal Changes in 3D Building Density with LiDAR and GEOBIA: A City-Level Analysis. Remote Sensing, 2020, 12, 3668.	4.0	5
26	Use of Bi-Temporal ALS Point Clouds for Tree Removal Detection on Private Property in RacibÃ³rz, Poland. Remote Sensing, 2021, 13, 767.	4.0	5
27	Using LiDAR Point Clouds in Determination of the Scots Pine Stands Spatial Structure Meaning in the Conservation of Lichen Communities in â€œBory Tucholskieâ€•National Park. Archiwum Fotogrametrii, Kartografii I Teledetekcji, 2019, 31, 85-103.	0.2	5
28	Introduction to the special issue: â€œEarth observation supporting sustainability researchâ€• European Journal of Remote Sensing, 2020, 53, 1-2.	3.5	4
29	Tree height as the main factor causing disappearance of the terricolous lichens in the lichen Scots pine forests. Science of the Total Environment, 2021, 771, 144834.	8.0	4
30	The integration of the terrestrial and airborne laser scanning technologies in the semi-automated process of retrieving selected trees and forest stand parameters / IntegraÃ§Ã£o das tecnologias terrestre e aerotransportada de scanner laser no processo semi-automÃ¡tico de recuperaÃ§Ã£o de Ã¡rvores selecionadas e de parÃ¢metros de povoamentos florestais. AmbiÃªncia, 2012, 8, 533-548.	0.1	4
31	Using Geobia and Data Fusion Approach for Land use and Land Cover Mapping. Quaestiones Geographicae, 2016, 35, 93-104.	1.1	3
32	An allometric area-based approachâ€”a cost-effective method for stand volume estimation based on ALS and NFI data. Forestry, 2020, 93, 344-358.	2.3	3
33	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. Environmental Science and Engineering, 2013, , 615-627.	0.2	3
34	Trophic conditions of forest soils of the Pieniny National Park, southern Poland. Soil Science Annual, 2017, 68, 205-211.	0.8	3
35	Geo-Questionnaire for Environmental Planning: The Case of Ecosystem Services Delivered by Trees in Poland. Data, 2021, 6, 128.	2.3	3
36	Distance to neighbour calculations among OBIA primitives as an innovation to urban mapping techniques. International Journal of Image and Data Fusion, 2018, 9, 21-42.	1.7	0

#	Article	IF	Citations
37	Using High Resolution LiDAR Data for Snow Avalanche Hazard Mapping. Environmental Science and Engineering, 2013, , 597-613.	0.2	0