Topi TanhuanpÃ¤Ã¤

List of Publications by Year
in descending order

23	1,019	567281 15	677142 22
papers	citations	h-index	g-index

24	24	24	1361
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Detection of European Aspen (Populus tremula L.) Based on an Unmanned Aerial Vehicle Approach in Boreal Forests. Remote Sensing, 2021, 13, 1723.	4.0	6
2	Tree species classification from airborne hyperspectral and LiDAR data using 3D convolutional neural networks. Remote Sensing of Environment, 2021, 256, 112322.	11.0	115
3	Developing a spatially explicit modelling and evaluation framework for integrated carbon sequestration and biodiversity conservation: Application in southern Finland. Science of the Total Environment, 2021, 775, 145847.	8.0	18
4	Detecting European Aspen (Populus tremula L.) in Boreal Forests Using Airborne Hyperspectral and Airborne Laser Scanning Data. Remote Sensing, 2020, 12, 2610.	4.0	12
5	Modeling of Dead Wood Potential Based on Tree Stand Data. Forests, 2020, 11, 913.	2.1	7
6	Study of Realistic Urban Boundary Layer Turbulence with High-Resolution Large-Eddy Simulation. Atmosphere, 2020, 11, 201.	2.3	32
7	A keystone species, European aspen (Populus tremula L.), in boreal forests: Ecological role, knowledge needs and mapping using remote sensing. Forest Ecology and Management, 2020, 462, 118008.	3.2	34
8	Effect of canopy structure on the performance of tree mapping methods in urban parks. Urban Forestry and Urban Greening, 2019, 44, 126441.	5.3	5
9	Examining Changes in Stem Taper and Volume Growth with Two-Date 3D Point Clouds. Forests, 2019, 10, 382.	2.1	24
10	Detecting and characterizing downed dead wood using terrestrial laser scanning. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 151, 76-90.	11.1	24
11	Assessing above-ground biomass of open-grown urban trees: A comparison between existing models and a volume-based approach. Urban Forestry and Urban Greening, 2017, 21, 239-246.	5.3	18
12	Feasibility of Terrestrial laser scanning for collecting stem volume information from single trees. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 123, 140-158.	11.1	105
13	Evaluating the Performance of High-Altitude Aerial Image-Based Digital Surface Models in Detecting Individual Tree Crowns in Mature Boreal Forests. Forests, 2016, 7, 143.	2.1	21
14	Ground surface microtopography and vegetation patterns in a tropical peat swamp forest. Catena, 2016, 139, 127-136.	5.0	53
15	Developing laser scanning applications for mapping and monitoring single tree characteristics for the needs of urban forestry. Dissertationes Forestales, 2016, 2016, .	0.1	2
16	Using UAV-Based Photogrammetry and Hyperspectral Imaging for Mapping Bark Beetle Damage at Tree-Level. Remote Sensing, 2015, 7, 15467-15493.	4.0	277
17	Deriving canopy metrics of urban trees from airborne laser scanning data. , 2015, , .		0
18	Allocating tree crown pruning with ALS-data - A case study in the city of Helsinki. , 2015, , .		0

#	Article	IF	Citations
19	Urban-Tree-Attribute Update Using Multisource Single-Tree Inventory. Forests, 2014, 5, 1032-1052.	2.1	35
20	Estimation of the Timber Quality of Scots Pine with Terrestrial Laser Scanning. Forests, 2014, 5, 1879-1895.	2.1	40
21	Mapping of urban roadside trees â€“ A case study in the tree register update process in Helsinki City. Urban Forestry and Urban Greening, 2014, 13, 562-570.	5.3	38
22	Accuracy in estimation of timber assortments and stem distribution â€“ A comparison of airborne and terrestrial laser scanning techniques. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 97, 89-97.	11.1	46
23	Tree mapping using airborne, terrestrial and mobile laser scanning â€“ A case study in a heterogeneous urban forest. Urban Forestry and Urban Greening, 2013, 12, 546-553.	5.3	106