

Topi Tanhuanpää

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,019
citations

567281

15
h-index

677142

22
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24
all docs

24
docs citations

24
times ranked

1361
citing authors

#	ARTICLE	IF	CITATIONS
1	Using UAV-Based Photogrammetry and Hyperspectral Imaging for Mapping Bark Beetle Damage at Tree-Level. <i>Remote Sensing</i> , 2015, 7, 15467-15493.	4.0	277
2	Tree species classification from airborne hyperspectral and LiDAR data using 3D convolutional neural networks. <i>Remote Sensing of Environment</i> , 2021, 256, 112322.	11.0	115
3	Tree mapping using airborne, terrestrial and mobile laser scanning – A case study in a heterogeneous urban forest. <i>Urban Forestry and Urban Greening</i> , 2013, 12, 546-553.	5.3	106
4	Feasibility of Terrestrial laser scanning for collecting stem volume information from single trees. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 123, 140-158.	11.1	105
5	Ground surface microtopography and vegetation patterns in a tropical peat swamp forest. <i>Catena</i> , 2016, 139, 127-136.	5.0	53
6	Accuracy in estimation of timber assortments and stem distribution – A comparison of airborne and terrestrial laser scanning techniques. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014, 97, 89-97.	11.1	46
7	Estimation of the Timber Quality of Scots Pine with Terrestrial Laser Scanning. <i>Forests</i> , 2014, 5, 1879-1895.	2.1	40
8	Mapping of urban roadside trees – A case study in the tree register update process in Helsinki City. <i>Urban Forestry and Urban Greening</i> , 2014, 13, 562-570.	5.3	38
9	Urban-Tree-Attribute Update Using Multisource Single-Tree Inventory. <i>Forests</i> , 2014, 5, 1032-1052.	2.1	35
10	A keystone species, European aspen (<i>Populus tremula</i> L.), in boreal forests: Ecological role, knowledge needs and mapping using remote sensing. <i>Forest Ecology and Management</i> , 2020, 462, 118008.	3.2	34
11	Study of Realistic Urban Boundary Layer Turbulence with High-Resolution Large-Eddy Simulation. <i>Atmosphere</i> , 2020, 11, 201.	2.3	32
12	Examining Changes in Stem Taper and Volume Growth with Two-Date 3D Point Clouds. <i>Forests</i> , 2019, 10, 382.	2.1	24
13	Detecting and characterizing downed dead wood using terrestrial laser scanning. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 151, 76-90.	11.1	24
14	Evaluating the Performance of High-Altitude Aerial Image-Based Digital Surface Models in Detecting Individual Tree Crowns in Mature Boreal Forests. <i>Forests</i> , 2016, 7, 143.	2.1	21
15	Assessing above-ground biomass of open-grown urban trees: A comparison between existing models and a volume-based approach. <i>Urban Forestry and Urban Greening</i> , 2017, 21, 239-246.	5.3	18
16	Developing a spatially explicit modelling and evaluation framework for integrated carbon sequestration and biodiversity conservation: Application in southern Finland. <i>Science of the Total Environment</i> , 2021, 775, 145847.	8.0	18
17	Detecting European Aspen (<i>Populus tremula</i> L.) in Boreal Forests Using Airborne Hyperspectral and Airborne Laser Scanning Data. <i>Remote Sensing</i> , 2020, 12, 2610.	4.0	12
18	Modeling of Dead Wood Potential Based on Tree Stand Data. <i>Forests</i> , 2020, 11, 913.	2.1	7

#	ARTICLE	IF	CITATIONS
19	Detection of European Aspen (<i>Populus tremula</i> L.) Based on an Unmanned Aerial Vehicle Approach in Boreal Forests. <i>Remote Sensing</i> , 2021, 13, 1723.	4.0	6
20	Effect of canopy structure on the performance of tree mapping methods in urban parks. <i>Urban Forestry and Urban Greening</i> , 2019, 44, 126441.	5.3	5
21	Developing laser scanning applications for mapping and monitoring single tree characteristics for the needs of urban forestry. <i>Dissertationes Forestales</i> , 2016, 2016, .	0.1	2
22	Deriving canopy metrics of urban trees from airborne laser scanning data. , 2015, , .		0
23	Allocating tree crown pruning with ALS-data - A case study in the city of Helsinki. , 2015, , .		0