

Hans Ole Årka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5980994/publications.pdf>

Version: 2024-02-01

46
papers

2,935
citations

279798

23
h-index

233421

45
g-index

46
all docs

46
docs citations

46
times ranked

3152
citing authors

#	ARTICLE	IF	CITATIONS
1	A framework for a forest ecological base map – An example from Norway. <i>Ecological Indicators</i> , 2022, 136, 108636.	6.3	9
2	Detection of Root, Butt, and Stem Rot presence in Norway spruce with hyperspectral imagery. <i>Silva Fennica</i> , 2022, 56, .	1.3	6
3	Delineation of Geomorphological Woodland Key Habitats Using Airborne Laser Scanning. <i>Remote Sensing</i> , 2022, 14, 1184.	4.0	4
4	Land cover classification of treeline ecotones along a 1100 km latitudinal transect using spectral and three-dimensional information from UAV-based aerial imagery. <i>Remote Sensing in Ecology and Conservation</i> , 2022, 8, 536-550.	4.3	6
5	Wood Decay Detection in Norway Spruce Forests Based on Airborne Hyperspectral and ALS Data. <i>Remote Sensing</i> , 2022, 14, 1892.	4.0	3
6	Detection of heartwood rot in Norway spruce trees with lidar and multi-temporal satellite data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 109, 102790.	1.9	2
7	Comparison of two algorithms for estimating stand-level changes and change indicators in a boreal forest in Norway. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 98, 102316.	2.8	2
8	Consistent forest biomass stock and change estimation across stand, property, and landscape levels. <i>Canadian Journal of Forest Research</i> , 2021, 51, 848-858.	1.7	2
9	Use of Remotely Sensed Data to Enhance Estimation of Aboveground Biomass for the Dry Afromontane Forest in South-Central Ethiopia. <i>Remote Sensing</i> , 2020, 12, 3335.	4.0	12
10	Modelling Site Index in Forest Stands Using Airborne Hyperspectral Imagery and Bi-Temporal Laser Scanner Data. <i>Remote Sensing</i> , 2019, 11, 1020.	4.0	9
11	Effects of UAV Image Resolution, Camera Type, and Image Overlap on Accuracy of Biomass Predictions in a Tropical Woodland. <i>Remote Sensing</i> , 2019, 11, 948.	4.0	36
12	Comparing the accuracies of forest attributes predicted from airborne laser scanning and digital aerial photogrammetry in operational forest inventories. <i>Remote Sensing of Environment</i> , 2019, 226, 26-37.	11.0	39
13	Classifications of Forest Change by Using Bitemporal Airborne Laser Scanner Data. <i>Remote Sensing</i> , 2019, 11, 2145.	4.0	18
14	Effects of terrain slope and aspect on the error of ALS-based predictions of forest attributes. <i>Forestry</i> , 2018, 91, 225-237.	2.3	13
15	Predicting stem diameters and aboveground biomass of individual trees using remote sensing data. <i>Ecological Indicators</i> , 2018, 85, 367-376.	6.3	49
16	Estimation of Forest Area and Canopy Cover Based on Visual Interpretation of Satellite Images in Ethiopia. <i>Land</i> , 2018, 7, 92.	2.9	14
17	Assessing 3D point clouds from aerial photographs for species-specific forest inventories. <i>Scandinavian Journal of Forest Research</i> , 2017, 32, 68-79.	1.4	65
18	Individual tree crown approach for predicting site index in boreal forests using airborne laser scanning and hyperspectral data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 60, 72-82.	2.8	25

#	ARTICLE	IF	CITATIONS
19	Prediction of Species-Specific Volume Using Different Inventory Approaches by Fusing Airborne Laser Scanning and Hyperspectral Data. <i>Remote Sensing</i> , 2017, 9, 400.	4.0	21
20	Influence of Plot Size on Efficiency of Biomass Estimates in Inventories of Dry Tropical Forests Assisted by Photogrammetric Data from an Unmanned Aircraft System. <i>Remote Sensing</i> , 2017, 9, 610.	4.0	31
21	Countering Negative Effects of Terrain Slope on Airborne Laser Scanner Data Using Procrustean Transformation and Histogram Matching. <i>Forests</i> , 2017, 8, 401.	2.1	3
22	Discriminating between Native Norway Spruce and Invasive Sitka Spruce—A Comparison of Multitemporal Landsat 8 Imagery, Aerial Images and Airborne Laser Scanner Data. <i>Remote Sensing</i> , 2016, 8, 363.	4.0	22
23	Biomass Estimation Using 3D Data from Unmanned Aerial Vehicle Imagery in a Tropical Woodland. <i>Remote Sensing</i> , 2016, 8, 968.	4.0	86
24	Predicting Attributes of Regeneration Forests Using Airborne Laser Scanning. <i>Canadian Journal of Remote Sensing</i> , 2016, 42, 541-553.	2.4	15
25	Can airborne laser scanning assist in mapping and monitoring natural forests?. <i>Forest Ecology and Management</i> , 2016, 369, 116-125.	3.2	18
26	Effects of forest structure and airborne laser scanning point cloud density on 3D delineation of individual tree crowns. <i>European Journal of Remote Sensing</i> , 2016, 49, 337-359.	3.5	38
27	Mapping and estimating forest area and aboveground biomass in miombo woodlands in Tanzania using data from airborne laser scanning, TanDEM-X, RapidEye, and global forest maps: A comparison of estimated precision. <i>Remote Sensing of Environment</i> , 2016, 175, 282-300.	11.0	77
28	Inventory of Small Forest Areas Using an Unmanned Aerial System. <i>Remote Sensing</i> , 2015, 7, 9632-9654.	4.0	269
29	Assessing forest inventory information obtained from different inventory approaches and remote sensing data sources. <i>Annals of Forest Science</i> , 2015, 72, 33-45.	2.0	46
30	Modelling bird richness and bird species presence in a boreal forest reserve using airborne laser-scanning and aerial images. <i>Bird Study</i> , 2014, 61, 204-219.	1.0	17
31	Tree crown delineation and tree species classification in boreal forests using hyperspectral and ALS data. <i>Remote Sensing of Environment</i> , 2014, 140, 306-317.	11.0	222
32	Unsupervised Selection of Training Samples for Tree Species Classification Using Hyperspectral Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 3560-3569.	4.9	6
33	Tree Species Recognition Based on Airborne Laser Scanning and Complementary Data Sources. <i>Managing Forest Ecosystems</i> , 2014, , 135-156.	0.9	22
34	Interpreting cultural remains in airborne laser scanning generated digital terrain models: effects of size and shape on detection success rates. <i>Journal of Archaeological Science</i> , 2013, 40, 4688-4700.	2.4	57
35	Tree Species Classification in Boreal Forests With Hyperspectral Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 2632-2645.	6.3	278
36	Characterizing forest species composition using multiple remote sensing data sources and inventory approaches. <i>Scandinavian Journal of Forest Research</i> , 2013, 28, 677-688.	1.4	65

#	ARTICLE	IF	CITATIONS
37	Classifying tree and nontree echoes from airborne laser scanning in the forest-tundra ecotone. Canadian Journal of Remote Sensing, 2013, 38, 655-666.	2.4	13
38	Unsupervised selection of training plots and trees for tree species classification. , 2013, , .		0
39	Simultaneously acquired airborne laser scanning and multispectral imagery for individual tree species identification. Canadian Journal of Remote Sensing, 2012, 38, 125-138.	2.4	58
40	Subalpine zone delineation using LiDAR and Landsat imagery. Remote Sensing of Environment, 2012, 119, 11-20.	11.0	27
41	Estimating biomass in Hedmark County, Norway using national forest inventory field plots and airborne laser scanning. Remote Sensing of Environment, 2012, 123, 443-456.	11.0	102
42	Lidar sampling for large-area forest characterization: A review. Remote Sensing of Environment, 2012, 121, 196-209.	11.0	553
43	Effects of different sensors and leaf-on and leaf-off canopy conditions on echo distributions and individual tree properties derived from airborne laser scanning. Remote Sensing of Environment, 2010, 114, 1445-1461.	11.0	74
44	Range and AGC normalization in airborne discrete-return LiDAR intensity data for forest canopies. ISPRS Journal of Photogrammetry and Remote Sensing, 2010, 65, 369-379.	11.1	100
45	Tree species classification using airborne LiDAR - effects of stand and tree parameters, downsizing of training set, intensity normalization, and sensor type. Silva Fennica, 2010, 44, .	1.3	195
46	Classifying species of individual trees by intensity and structure features derived from airborne laser scanner data. Remote Sensing of Environment, 2009, 113, 1163-1174.	11.0	206