

Aarne Hovi

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

716
citations

567281

15
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552781

26
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31
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31
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	LiDAR waveform features for tree species classification and their sensitivity to tree- and acquisition related parameters. <i>Remote Sensing of Environment</i> , 2016, 173, 224-237.	11.0	88
2	Spectral Properties of Coniferous Forests: A Review of In Situ and Laboratory Measurements. <i>Remote Sensing</i> , 2018, 10, 207.	4.0	86
3	Understory trees in airborne LiDAR data – Selective mapping due to transmission losses and echo-triggering mechanisms. <i>Remote Sensing of Environment</i> , 2012, 119, 92-104.	11.0	72
4	A spectral analysis of 25 boreal tree species. <i>Silva Fennica</i> , 2017, 51, .	1.3	63
5	Estimation of tree crown volume from airborne lidar data using computational geometry. <i>International Journal of Remote Sensing</i> , 2013, 34, 7236-7248.	2.9	46
6	Quantitative analysis of the links between forest structure and land surface albedo on a global scale. <i>Remote Sensing of Environment</i> , 2020, 246, 111854.	11.0	33
7	Mapping of snow-damaged trees based on bitemporal airborne LiDAR data. <i>European Journal of Forest Research</i> , 2012, 131, 1217-1228.	2.5	32
8	Tree species classification using within crown localization of waveform LiDAR attributes. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 133, 142-156.	11.1	30
9	The accuracy of large-area forest canopy cover estimation using Landsat in boreal region. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 53, 118-127.	2.8	28
10	Real and simulated waveform-recording LiDAR data in juvenile boreal forest vegetation. <i>Remote Sensing of Environment</i> , 2014, 140, 665-678.	11.0	27
11	Evaluation of simulated bands in airborne optical sensors for tree species identification. <i>Remote Sensing of Environment</i> , 2013, 138, 27-37.	11.0	23
12	Seasonal dynamics of albedo across European boreal forests: Analysis of MODIS albedo and structural metrics from airborne LiDAR. <i>Remote Sensing of Environment</i> , 2019, 224, 365-381.	11.0	22
13	Backscattering of individual LiDAR pulses from forest canopies explained by photogrammetrically derived vegetation structure. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2013, 83, 81-93.	11.1	19
14	Quantifying the missing link between forest albedo and productivity in the boreal zone. <i>Biogeosciences</i> , 2016, 13, 6015-6030.	3.3	18
15	Evaluation of Accuracy and Practical Applicability of Methods for Measuring Leaf Reflectance and Transmittance Spectra. <i>Remote Sensing</i> , 2018, 10, 25.	4.0	18
16	Temporal dynamics of albedo and climate in the sparse forests of Zagros. <i>Science of the Total Environment</i> , 2019, 663, 596-609.	8.0	13
17	Seasonality of albedo and FAPAR in a boreal forest. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 331-342.	4.8	12
18	Theoretical algorithm and application of a double-integrating sphere system for measuring leaf transmittance and reflectance spectra. <i>Applied Optics</i> , 2017, 56, 563.	1.8	11

#	ARTICLE	IF	CITATIONS
19	Spectral composition of shortwave radiation transmitted by forest canopies. <i>Trees - Structure and Function</i> , 2020, 34, 1499-1506.	1.9	9
20	Crown level clumping in Norway spruce from terrestrial laser scanning measurements. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108238.	4.8	9
21	Multi-angular reflectance spectra of small single trees. <i>Remote Sensing of Environment</i> , 2021, 255, 112302.	11.0	9
22	Assessment of a photon recollision probability based forest reflectance model in European boreal and temperate forests. <i>Remote Sensing of Environment</i> , 2022, 269, 112804.	11.0	9
23	Empirical validation of photon recollision probability in single crowns of tree seedlings. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 169, 57-72.	11.1	7
24	Contribution of woody elements to tree level reflectance in boreal forests. <i>Silva Fennica</i> , 2021, 55, .	1.3	7
25	A spectral analysis of stem bark for boreal and temperate tree species. <i>Ecology and Evolution</i> , 2022, 12, e8718.	1.9	6
26	Direct estimation of photon recollision probability using terrestrial laser scanning. <i>Remote Sensing of Environment</i> , 2020, 247, 111932.	11.0	5
27	Evaluating the performance of a double integrating sphere in measurement of reflectance, transmittance, and albedo of coniferous needles. <i>Silva Fennica</i> , 2020, 54, .	1.3	5
28	Multiangular spectra of tree bark for common boreal tree species in Europe. <i>Silva Fennica</i> , 2020, 54, .	1.3	5
29	A dataset composed of multiangular spectral libraries and auxiliary data at tree, leaf, needle, and bark level for three common European tree species. <i>Data in Brief</i> , 2021, 35, 106820.	1.0	4