

# Johan E S Fransson

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

716  
citations

759233

12  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

937  
citing authors

#	ARTICLE	IF	CITATIONS
1	Forest variable estimation using photogrammetric matching of digital aerial images in combination with a high-resolution DEM. Scandinavian Journal of Forest Research, 2012, 27, 692-699.	1.4	178
2	Assessing Performance of L- and P-Band Polarimetric Interferometric SAR Data in Estimating Boreal Forest Above-Ground Biomass. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 714-726.	6.3	131
3	Model-Based Biomass Estimation of a Hemi-Boreal Forest from Multitemporal TanDEM-X Acquisitions. Remote Sensing, 2013, 5, 5574-5597.	4.0	92
4	Comparison between TanDEM-X- and ALS-based estimation of aboveground biomass and tree height in boreal forests. Scandinavian Journal of Forest Research, 2017, 32, 306-319.	1.4	39
5	Experiences from Large-Scale Forest Mapping of Sweden Using TanDEM-X Data. Remote Sensing, 2017, 9, 1253.	4.0	36
6	Reviewing ALOS PALSAR Backscatter Observations for Stem Volume Retrieval in Swedish Forest. Remote Sensing, 2015, 7, 4290-4317.	4.0	31
7	Complementarity of X-, C-, and L-band SAR Backscatter Observations to Retrieve Forest Stem Volume in Boreal Forest. Remote Sensing, 2019, 11, 1563.	4.0	28
8	The Net Landscape Carbon Balance—Integrating terrestrial and aquatic carbon fluxes in a managed boreal forest landscape in Sweden. Global Change Biology, 2020, 26, 2353-2367.	9.5	28
9	Clear-Cut Detection in Swedish Boreal Forest Using Multi-Temporal ALOS PALSAR Backscatter Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 618-631.	4.9	27
10	Nation-Wide Clear-Cut Mapping in Sweden Using ALOS PALSAR Strip Images. Remote Sensing, 2012, 4, 1693-1715.	4.0	23
11	Measurements of Forest Biomass Change Using P-Band Synthetic Aperture Radar Backscatter. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6047-6061.	6.3	20
12	Aerial photo-interpretation using Z/I DMC images for estimation of forest variables. Scandinavian Journal of Forest Research, 2007, 22, 254-266.	1.4	15
13	Improved Prediction of Forest Variables Using Data Assimilation of Interferometric Synthetic Aperture Radar Data. Canadian Journal of Remote Sensing, 2017, 43, 374-383.	2.4	12
14	Deciduous forest mapping using change detection of multi-temporal canopy height models from aerial images acquired at leaf-on and leaf-off conditions. Scandinavian Journal of Forest Research, 2016, 31, 517-525.	1.4	9
15	Estimating Site Index From Short-Term TanDEM-X Canopy Height Models. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3598-3606.	4.9	8
16	Estimation of forest stem volume using multispectral optical satellite and tree height data in combination. Scandinavian Journal of Forest Research, 2005, 20, 431-440.	1.4	7
17	Backscatter signatures of wind-thrown forest in satellite SAR images. , 2012, , .		7
18	Predictions of Biomass Change in a Hemi-Boreal Forest Based on Multi-Polarization L- and P-Band SAR Backscatter. Canadian Journal of Remote Sensing, 2020, 46, 661-680.	2.4	6

#	ARTICLE	IF	CITATIONS
19	Forest height estimation using semi-individual tree detection in multi-spectral 3D aerial DMC data. , 2012, , .		4
20	Measurements of forest biomass change using L- and P-band sar backscatter. , 2017, , .		4
21	Estimating forest age and site productivity using time series of 3D remote sensing data. , 2015, , .		3
22	Estimation of forest stem volume using ALOS-2 PALSAR-2 satellite images. , 2016, , .		3
23	Mapping and monitoring clear-cuts in Swedish forest using ALOS PALSAR satellite images. , 2009, , .		2
24	Forest Variable Estimations Using TanDEM-X Data in Hyrcanian Forests. Canadian Journal of Remote Sensing, 2020, 46, 166-176.	2.4	2
25	Extraction of Spectral Information from Airborne 3D Data for Assessment of Tree Species Proportions. Remote Sensing, 2021, 13, 720.	4.0	1
26	Airborne low-frequency synthetic aperture radar and optical satellite data as complementary data sources for forest stem volume estimation. Scandinavian Journal of Forest Research, 2010, 25, 89-99.	1.4	0
27	Estimation of stem volume in hemi-boreal forests using airborne low-frequency Synthetic Aperture Radar and lidar data. , 2013, , .		0