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Anställning

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Helsingfors universitet
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1 jan 2013 → present

Metsien ekologia ja käyttö

Helsingfors universitet
1 jan 2013 → present

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Helsinki, Finland
1 jan 2017 → present

Forskningsoutput

A mechanistic model of winter stem diameter dynamics reveals the time constant of diameter changes and the elastic modulus across tissues and species

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Nocturnal Light Emitting Diode Induced Fluorescence (LEDIF): A new technique to measure the chlorophyll a fluorescence emission spectral distribution of plant canopies in situ

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Leaf-Level Spectral Fluorescence Measurements: Comparing Methodologies for Broadleaves and Needles

Rajewicz, P. A., Atherton, J., Alonso, L. & Porcar-Castell, A., 1 mar 2019, I : Remote Sensing. 11, 5, 20 s., 532.

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Drone Measurements of Solar-Induced Chlorophyll Fluorescence Acquired with a Low-Weight DFOV Spectrometer System

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Investigating Forest Photosynthetic Response to Elevated CO₂ Using Uav-Based Measurements of Solar Induced Fluorescence

Maseyk, K., Atherton, J., Thomas, R., Wood, K., Tausz-Posch, S., MacArthur, A., Porcar-Castell, A. & Tausz, M., 2018, *IGARSS 2018: 2018 IEEE International Geoscience and Remote Sensing Symposium*. IEEE, s. 8830-8833 4 s. (IEEE International Symposium on Geoscience and Remote Sensing IGARSS).

Upscaling of solar induced chlorophyll fluorescence from leaf to canopy using the DART model and a realistic 3D forest scene

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A comparison of methods to estimate photosynthetic light absorption in leaves with contrasting morphology

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Onset of photosynthesis in spring speeds up monoterpene synthesis and leads to emission bursts

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Linking chlorophyll a fluorescence to photosynthesis for remote sensing applications: mechanisms and challenges

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MEASUREMENT AND MODELLING OF PHYSIOLOGICAL LEAF OPTICAL DYNAMICS

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Interpretation of temporal dynamics in leaf-level chlorophyll fluorescence: a mechanistic model

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