

# Markku Keinänen

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

842  
citations

759233

12  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical diversity of several Betulaceae species: comparison of phenolics and terpenoids in northern birch stems. <i>Trees - Structure and Function</i> , 1996, 11, 16.	1.9	118
2	TRADE-OFFS IN PHENOLIC METABOLISM OF SILVER BIRCH: EFFECTS OF FERTILIZATION, DEFOLIATION, AND GENOTYPE. <i>Ecology</i> , 1999, 80, 1970-1986.	3.2	118
3	HERBIVORE RESISTANCE IN BETULA PENDULA: EFFECT OF FERTILIZATION, DEFOLIATION, AND PLANT GENOTYPE. <i>Ecology</i> , 2000, 81, 49-65.	3.2	113
4	The effect of elevated CO <sub>2</sub> and temperature on the secondary chemistry of <i>Betula pendula</i> seedlings. <i>Trees - Structure and Function</i> , 2001, 15, 378-384.	1.9	89
5	Transcriptomics and Functional Genomics of ROS-Induced Cell Death Regulation by RADICAL-INDUCED CELL DEATH1. <i>PLoS Genetics</i> , 2014, 10, e1004112.	3.5	88
6	Enhanced sugar production from pretreated barley straw by additive xylanase and surfactants in enzymatic hydrolysis for acetone-butanol-ethanol fermentation. <i>Bioresource Technology</i> , 2015, 189, 131-137.	9.6	76
7	Effect of Sample Preparation Method on Birch ( <i>Betula pendula</i> Roth) Leaf Phenolics. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 2724-2727.	5.2	61
8	Co-fermentation of hemicellulose and starch from barley straw and grain for efficient pentoses utilization in acetone-butanol-ethanol production. <i>Bioresource Technology</i> , 2015, 179, 128-135.	9.6	48
9	Effect of dilute acid pretreatment on the conversion of barley straw with grains to fermentable sugars. <i>Bioresource Technology</i> , 2013, 146, 444-450.	9.6	31
10	Leaf Canopy Layers Affect Spectral Reflectance in Silver Birch. <i>Remote Sensing</i> , 2019, 11, 2884.	4.0	21
11	Genotype- and provenance-related variation in the leaf surface secondary metabolites of silver birch. <i>Canadian Journal of Forest Research</i> , 2018, 48, 494-505.	1.7	19
12	Differences in growth and gas exchange between southern and northern provenances of silver birch ( <i>Betula pendula</i> Roth) in northern Europe. <i>Tree Physiology</i> , 2020, 40, 198-214.	3.1	14
13	The use of (green field) biomass pretreatment liquor for fermentative butanol production and the catalytic oxidation of biobutanol. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1531-1538.	5.6	13
14	Assessment of a portable UV-Vis spectrophotometer's performance for stream water DOC and Fe content monitoring in remote areas. <i>Talanta</i> , 2021, 224, 121919.	5.5	9
15	Metabolomics and Transcriptomics Increase Our Understanding About Defence Responses and Genotypic Differences of Northern Deciduous Trees to Elevating Ozone, CO <sub>2</sub> and Climate Warming. <i>Developments in Environmental Science</i> , 2013, 13, 309-329.	0.5	8
16	The expression and promoter specificity of the birch homologs for PISTILLATA/GLOBOSA and APETALA3/DEFICIENS. <i>Physiologia Plantarum</i> , 2005, 125, 268-280.	5.2	7
17	Strategy by latitude? Higher photosynthetic capacity and root mass fraction in northern than southern silver birch ( <i>Betula pendula</i> Roth) in uniform growing conditions. <i>Tree Physiology</i> , 2021, 41, 974-991.	3.1	6
18	Spectral Reflectance in Silver Birch Genotypes from Three Provenances in Finland. <i>Remote Sensing</i> , 2020, 12, 2677.	4.0	2

#	ARTICLE	IF	CITATIONS
19	Assessment of a portable UV-Vis spectrophotometer's performance in remote areas: Stream water DOC, Fe content and spectral data. Data in Brief, 2021, 35, 106747.	1.0	1