

Françoise Martz

List of Publications by Year in descending order

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21
papers

1,289
citations

516710

16
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

2053
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification, Cloning, and Properties of an Acyltransferase Controlling Shikimate and Quinate Ester Intermediates in Phenylpropanoid Metabolism. <i>Journal of Biological Chemistry</i> , 2003, 278, 95-103.	3.4	345
2	Altered lignin composition in transgenic tobacco expressing O-methyltransferase sequences in sense and antisense orientation. <i>Plant Journal</i> , 1995, 8, 465-477.	5.7	249
3	Phenolic Composition and Antioxidant Capacity of Bilberry (<i>Vaccinium myrtillus</i>) Leaves in Northern Europe Following Foliar Development and Along Environmental Gradients. <i>Journal of Chemical Ecology</i> , 2010, 36, 1017-1028.	1.8	100
4	cDNA cloning, substrate specificity and expression study of tobacco caffeoyl-CoA 3-O-methyltransferase, a lignin biosynthetic enzyme. <i>Plant Molecular Biology</i> , 1998, 36, 427-437.	3.9	98
5	Effect of Latitude and Altitude on the Terpenoid and Soluble Phenolic Composition of Juniper (<i>Juniperus communis</i>) Needles and Evaluation of Their Antibacterial Activity in the Boreal Zone. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9575-9584.	5.2	81
6	Effect of Modification of the O-Methyltransferase Activity on Cell Wall Composition, Ultrastructure and Degradability of Transgenic Tobacco. <i>Journal of the Science of Food and Agriculture</i> , 1996, 72, 385-391.	3.5	67
7	Contribution of omega-3 fatty acid desaturase and 3-ketoacyl-ACP synthase II (KASII) genes in the modulation of glycerolipid fatty acid composition during cold acclimation in birch leaves. <i>Journal of Experimental Botany</i> , 2006, 57, 897-909.	4.8	64
8	Does climate change influence the availability and quality of reindeer forage plants?. <i>Polar Biology</i> , 2009, 32, 813-832.	1.2	56
9	Factors affecting oligomerization status of UDP-glucose pyrophosphorylase. <i>Phytochemistry</i> , 2005, 66, 2815-2821.	2.9	33
10	The Snow Must Go On: Ground Ice Encasement, Snow Compaction and Absence of Snow Differently Cause Soil Hypoxia, CO ₂ Accumulation and Tree Seedling Damage in Boreal Forest. <i>PLoS ONE</i> , 2016, 11, e0156620.	2.5	30
11	Bacterial and fungal communities in boreal forest soil are insensitive to changes in snow cover conditions. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	28
12	Effects of ultraviolet (UV) exclusion on the seasonal concentration of photosynthetic and UV-screening pigments in Scots pine needles. <i>Global Change Biology</i> , 2007, 13, 252-265.	9.5	26
13	The small subunit ADP-glucose pyrophosphorylase (ApS) promoter mediates okadaic acid-sensitive uidA expression in starch-synthesizing tissues and cells in Arabidopsis. <i>Planta</i> , 2003, 217, 184-192.	3.2	25
14	Winter survival of Scots pine seedlings under different snow conditions. <i>Tree Physiology</i> , 2018, 38, 602-616.	3.1	22
15	Phenolic Responses of Mountain Crowberry (<i>Empetrum nigrum</i> ssp. <i>hermaphroditum</i>) to Global Climate Change are Compound Specific and Depend on Grazing by Reindeer (<i>Rangifer tarandus</i>). <i>Journal of Chemical Ecology</i> , 2013, 39, 1390-1399.	1.8	18
16	Decreased phenolic defence in dwarf birch (<i>Betula nana</i>) after warming in subarctic tundra. <i>Polar Biology</i> , 2015, 38, 1993-2005.	1.2	17
17	Let it snow! Winter conditions affect growth of birch seedlings during the following growing season. <i>Tree Physiology</i> , 2019, 39, 544-555.	3.1	11
18	Different response of two reindeer forage plants to enhanced UV-B radiation: modification of the phenolic composition. <i>Polar Biology</i> , 2011, 34, 411-420.	1.2	6

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19	Gender Dimorphism Does Not Affect Secondary Compound Composition in <i>Juniperus communis</i> After Shoot Cutting in Northern Boreal Forests. <i>Frontiers in Plant Science</i> , 2018, 9, 1910.	3.6	5
20	Changes in light spectra modify secondary compound concentrations and BVOC emissions of Norway spruce seedlings. <i>Canadian Journal of Forest Research</i> , 2021, 51, 1218-1229.	1.7	5
21	Ice-on-snow and compacted and absent snowpack exert contrasting effects on soil carbon cycling in a northern boreal forest. <i>Soil Biology and Biochemistry</i> , 2020, 150, 107983.	8.8	3