FranÃ§oise Martz

List of Publications by Year
in descending order

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	Changes in light spectra modify secondary compound concentrations and BVOC emissions of Norway spruce seedlings. Canadian Journal of Forest Research, 2021, 51, 1218-1229.	1.7	5
2	Ice-on-snow and compacted and absent snowpack exert contrasting effects on soil carbon cycling in a northern boreal forest. Soil Biology and Biochemistry, 2020, 150, 107983.	8.8	3
3	Let it snow! Winter conditions affect growth of birch seedlings during the following growing season. Tree Physiology, 2019, 39, 544-555.	3.1	11
4	Winter survival of Scots pine seedlings under different snow conditions. Tree Physiology, 2018, 38, 602-616.	3.1	22
5	Gender Dimorphism Does Not Affect Secondary Compound Composition in Juniperus communis After Shoot Cutting in Northern Boreal Forests. Frontiers in Plant Science, 2018, 9, 1910.	3.6	5
6	Bacterial and fungal communities in boreal forest soil are insensitive to changes in snow cover conditions. FEMS Microbiology Ecology, 2018, 94, .	2.7	28
7	The Snow Must Go On: Ground Ice Encasement, Snow Compaction and Absence of Snow Differently Cause Soil Hypoxia, CO2 Accumulation and Tree Seedling Damage in Boreal Forest. PLoS ONE, 2016, 11, e0156620.	2.5	30
8	Decreased phenolic defence in dwarf birch (Betula nana) after warming in subarctic tundra. Polar Biology, 2015, 38, 1993-2005.	1.2	17
9	Phenolic Responses of Mountain Crowberry (Empetrum nigrum ssp. hermaphroditum) to Global Climate Change are Compound Specific and Depend on Grazing by Reindeer (Rangifer tarandus). Journal of Chemical Ecology, 2013, 39, 1390-1399.	1.8	18
10	Different response of two reindeer forage plants to enhanced UV-B radiation: modification of the phenolic composition. Polar Biology, 2011, 34, 411-420.	1.2	6
11	Phenolic Composition and Antioxidant Capacity of Bilberry (Vaccinium myrtillus) Leaves in Northern Europe Following Foliar Development and Along Environmental Gradients. Journal of Chemical Ecology, 2010, 36, 1017-1028.	1.8	100
12	Does climate change influence the availability and quality of reindeer forage plants?. Polar Biology, 2009, 32, 813-832.	1.2	56
13	Effect of Latitude and Altitude on the Terpenoid and Soluble Phenolic Composition of Juniper (Juniperus communis) Needles and Evaluation of Their Antibacterial Activity in the Boreal Zone. Journal of Agricultural and Food Chemistry, 2009, 57, 9575-9584.	5.2	81
14	Effects of ultraviolet (UV) exclusion on the seasonal concentration of photosynthetic and UV-screening pigments in Scots pine needles. Global Change Biology, 2007, 13, 252-265.	9.5	26
15	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. Journal of Experimental Botany, 2006, 57, 897-909.	4.8	64
16	Factors affecting oligomerization status of UDP-glucose pyrophosphorylase. Phytochemistry, 2005, 66, 2815-2821.	2.9	33
17	The small subunit ADP-glucose pyrophosphorylase (ApS) promoter mediates okadaic acid-sensitive uidA expression in starch-synthesizing tissues and cells in Arabidopsis. Planta, 2003, 217, 184-192.	3.2	25
18	Purification, Cloning, and Properties of an Acyltransferase Controlling Shikimate and Quinate Ester Intermediates in Phenylpropanoid Metabolism. Journal of Biological Chemistry, 2003, 278, 95-103.	3.4	345

#	Article	IF	Citations
19	cDNA cloning, substrate specificity and expression study of tobacco caffeoyl-CoA 3-O-methyltransferase, a lignin biosynthetic enzyme. Plant Molecular Biology, 1998, 36, 427-437.	3.9	98
20	Effect of Modification of the O-Methyltransferase Activity on Cell Wall Composition, Ultrastructure and Degradability of Transgenic Tobacco. Journal of the Science of Food and Agriculture, 1996, 72, 385-391.	3.5	67
21	Altered lignin composition in transgenic tobacco expressing O-methyltransferase sequences in sense and antisense orientation. Plant Journal, 1995, 8, 465-477.	5.7	249