

Maree Brennan

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

256
citations

1040056

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940533

16
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22
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22
docs citations

22
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose microfibril angles and cell-wall polymers in different wood types of <i>Pinus radiata</i> . <i>Cellulose</i> , 2012, 19, 1385-1404.	4.9	40
2	Distribution of Fucosylated Xyloglucans among the Walls of Different Cell Types in Monocotyledons Determined by Immunofluorescence Microscopy. <i>Molecular Plant</i> , 2011, 4, 144-156.	8.3	32
3	Quantitative and qualitative composition of bark polyphenols changes longitudinally with bark maturity in <i>Abies alba</i> Mill.. <i>Annals of Forest Science</i> , 2020, 77, 1.	2.0	27
4	Using NIR and ATR-FTIR spectroscopy to rapidly detect compression wood in <i>Pinus radiata</i> . <i>Canadian Journal of Forest Research</i> , 2014, 44, 820-830.	1.7	25
5	Hull to caryopsis adhesion and grain skinning in malting barley: Identification of key growth stages in the adhesion process. <i>Journal of Cereal Science</i> , 2016, 68, 8-15.	3.7	17
6	Husk to caryopsis adhesion in barley is influenced by pre- and post-anthesis temperatures through changes in a cuticular cementing layer on the caryopsis. <i>BMC Plant Biology</i> , 2017, 17, 169.	3.6	16
7	Wood quality assessment of <i>Pinus radiata</i> (radiata pine) saplings by dynamic mechanical analysis. <i>Wood Science and Technology</i> , 2015, 49, 1239-1250.	3.2	15
8	Occurrence of fucosylated and non-fucosylated xyloglucans in the cell walls of monocotyledons: An immunofluorescence study. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 428-434.	5.8	11
9	Pyrolysis gas-chromatography mass-spectrometry (Py-GC/MS) to identify compression wood in <i>Pinus radiata</i> saplings. <i>Holzforschung</i> , 2014, 68, 505-517.	1.9	10
10	Relationship between specific weight of spring barley and malt quality. <i>Journal of Cereal Science</i> , 2020, 95, 103006.	3.7	10
11	Increased grain density of spring barley (<i>Hordeum vulgare</i> L.) is associated with an increase in grain nitrogen. <i>Journal of Cereal Science</i> , 2019, 89, 102797.	3.7	9
12	Yield and compositions of bark phenolic extractives from three commercially significant softwoods show intra- and inter-specific variation. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 346-356.	5.8	9
13	Intraspecific variability of quantity and chemical composition of ethanolic knotwood extracts along the stems of three industrially important softwood species: <i>Abies alba</i> , <i>Picea abies</i> and <i>Pseudotsuga menziesii</i> . <i>Holzforschung</i> , 2021, 75, 168-179.	1.9	8
14	Variation in grain skinning among spring barley varieties induced by a controlled environment misting screen. <i>Journal of Agricultural Science</i> , 2017, 155, 317-325.	1.3	7
15	Development and Quality of Barley Husk Adhesion Correlates With Changes in Caryopsis Cuticle Biosynthesis and Composition. <i>Frontiers in Plant Science</i> , 2019, 10, 672.	3.6	5
16	Specific weight of barley grains is determined by traits affecting packing efficiency and by grain density. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 2548-2555.	3.5	5
17	Use of Raman microspectroscopy to predict malting barley husk adhesion quality. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 587-590.	5.8	4
18	The Structure of the Barley Husk Influences Its Resistance to Mechanical Stress. <i>Frontiers in Plant Science</i> , 2020, 11, 614334.	3.6	3

#	ARTICLE	IF	CITATIONS
19	A generic information framework for decision-making in a forest-based bio-economy. <i>Annals of Forest Science</i> , 2021, 78, .	2.0	2
20	Post-Anthesis Water-stressed Barley Maintains Grain Specific Weight Through Altered Grain Composition and Plant Architecture. <i>Plants</i> , 2020, 9, 1564.	3.5	1
21	The quality of barley husk-caryopsis adhesion is not correlated with caryopsis cuticle permeability. <i>Journal of Plant Physiology</i> , 2019, 243, 153054.	3.5	0