

Merve Ã-zparpucu

List of Publications by Year in descending order

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9
papers

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#	ARTICLE	IF	CITATIONS
1	Vessel-Specific Reintroduction of CINNAMOYL-COA REDUCTASE1 (CCR1) in Dwarfed <i>ccr1</i> Mutants Restores Vessel and Xylary Fiber Integrity and Increases Biomass. <i>Plant Physiology</i> , 2018, 176, 611-633.	4.8	76
2	Unravelling the impact of lignin on cell wall mechanics: a comprehensive study on young poplar trees downregulated for CINNAMYL ALCOHOL DEHYDROGENASE (CAD). <i>Plant Journal</i> , 2017, 91, 480-490.	5.7	68
3	Downregulating aspen xylan biosynthetic GT43 genes in developing wood stimulates growth via reprogramming of the transcriptome. <i>New Phytologist</i> , 2018, 219, 230-245.	7.3	43
4	Struvite Mineralized Wood as Sustainable Building Material: Mechanical and Combustion Behavior. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10402-10412.	6.7	32
5	Significant influence of lignin on axial elastic modulus of poplar wood at low microfibril angles under wet conditions. <i>Journal of Experimental Botany</i> , 2019, 70, 4039-4047.	4.8	29
6	The effect of altered lignin composition on mechanical properties of CINNAMYL ALCOHOL DEHYDROGENASE (CAD) deficient poplars. <i>Planta</i> , 2018, 247, 887-897.	3.2	25
7	Combined FTIR spectroscopy and rheology for measuring melamine urea formaldehyde (MUF) adhesive curing as influenced by different wood extracts. <i>European Journal of Wood and Wood Products</i> , 2020, 78, 85-91.	2.9	7
8	Acidic wood extractives accelerate the curing process of emulsion polymer isocyanate adhesives. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	5
9	A new analytical approach to investigate the influence of wood extracts on the curing properties of phenol-resorcinol-formaldehyde (PRF) adhesives. <i>Wood Science and Technology</i> , 2022, 56, 349-365.	3.2	5