Jan J Lyczakowski

List of Publications by Year
in descending order

13	736	933447 10	1125743 13
papers	citations	h-index	g-index

18	18	18	1080
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Upregulation of GLRs expression by light in Arabidopsis leaves. BMC Plant Biology, 2022, 22, 197.	3.6	3
2	Xylan Structure and Dynamics in Native Brachypodium Grass Cell Walls Investigated by Solid-State NMR Spectroscopy. ACS Omega, 2021, 6, 15460-15471.	3.5	19
3	Two conifer GUX clades are responsible for distinct glucuronic acid patterns on xylan. New Phytologist, 2021, 231, 1720-1733.	7.3	13
4	Transformation of European Ash (Fraxinus excelsior L.) Callus as a Starting Point for Understanding the Molecular Basis of Ash Dieback. Plants, 2021, 10, 2524.	3.5	2
5	Molecular architecture of softwood revealed by solid-state NMR. Nature Communications, 2019, 10, 4978.	12.8	157
6	Structural Imaging of Native Cryo-Preserved Secondary Cell Walls Reveals the Presence of Macrofibrils and Their Formation Requires Normal Cellulose, Lignin and Xylan Biosynthesis. Frontiers in Plant Science, 2019, 10, 1398.	3.6	40
7	An engineered GH1 Î²-glucosidase displays enhanced glucose tolerance and increased sugar release from lignocellulosic materials. Scientific Reports, 2019, 9, 4903.	3.3	36
8	The Patterned Structure of Galactoglucomannan Suggests It May Bind to Cellulose in Seed Mucilage. Plant Physiology, 2018, 178, 1011-1026.	4.8	62
9	An even pattern of xylan substitution is critical for interaction with cellulose in plant cell walls. Nature Plants, 2017, 3, 859-865.	9.3	204
10	Removal of glucuronic acid from xylan is a strategy to improve the conversion of plant biomass to sugars for bioenergy. Biotechnology for Biofuels, 2017, 10, 224.	6.2	57
11	Xylan decoration patterns and the plant secondary cell wall molecular architecture. Biochemical Society Transactions, 2016, 44, 74-78.	3.4	75
12	Label-Free Analysis and Sorting of Microalgae and Cyanobacteria in Microdroplets by Intrinsic Chlorophyll Fluorescence for the Identification of Fast Growing Strains. Analytical Chemistry, 2016, 88, 10445-10451.	6.5	42
13	Fusion of Pyruvate Decarboxylase and Alcohol Dehydrogenase Increases Ethanol Production in Escherichia coli. ACS Synthetic Biology, 2014, 3, 976-978.	3.8	22