

# Lenka Frankova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2819930/publications.pdf>

Version: 2024-02-01

14  
papers

514  
citations

1040056

9  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemistry and physiological roles of enzymes that cut and paste™ plant cell-wall polysaccharides. <i>Journal of Experimental Botany</i> , 2013, 64, 3519-3550.	4.8	168
2	Mixed-linkage $\beta$ -glucanase: xyloglucan endotransglucosylase, a novel wall-remodelling enzyme from <i>Equisetum</i> (horsetails) and charophytic algae. <i>Plant Journal</i> , 2008, 55, 240-252.	5.7	100
3	Phylogenetic variation in glycosidases and glycanases acting on plant cell wall polysaccharides, and the detection of transglycosidase and transxyylanase activities. <i>Plant Journal</i> , 2011, 67, 662-681.	5.7	56
4	Hetero-trans $\beta$ -glucanase, an enzyme unique to <i>Equisetum</i> plants, functionalizes cellulose. <i>Plant Journal</i> , 2015, 83, 753-769.	5.7	49
5	Hetero-trans $\beta$ -Glucanase Produces Cellulose-Xyloglucan Covalent Bonds in the Cell Walls of Structural Plant Tissues and Is Stimulated by Expansin. <i>Molecular Plant</i> , 2020, 13, 1047-1062.	8.3	33
6	Trans $\beta$ -xylosidase and trans $\beta$ -galactosidase activities, widespread in plants, modify and stabilize xyloglucan structures. <i>Plant Journal</i> , 2012, 71, 45-60.	5.7	23
7	Trans $\beta$ -xylosidase, a widespread enzyme activity in plants, introduces (1 $\rightarrow$ 4)- $\beta$ -d-xylobiose side-chains into xyloglucan structures. <i>Phytochemistry</i> , 2012, 78, 29-43.	2.9	20
8	Hemicellulose-remodelling transglycanase activities from charophytes: towards the evolution of the land plant cell wall. <i>Plant Journal</i> , 2021, 108, 7-28.	5.7	15
9	Discovery of small molecule inhibitors of xyloglucan endotransglucosylase (XET) activity by high-throughput screening. <i>Phytochemistry</i> , 2015, 117, 220-236.	2.9	13
10	Enzymically attaching oligosaccharide-linked cargoes™ to cellulose and other commercial polysaccharides via stable covalent bonds. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 4359-4369.	7.5	10
11	A general method for assaying homo- and hetero-transglycanase activities that act on plant cell-wall polysaccharides. <i>Journal of Integrative Plant Biology</i> , 2015, 57, 411-428.	8.5	9
12	Activity and Action of Cell-Wall Transglycanases. <i>Methods in Molecular Biology</i> , 2020, 2149, 165-192.	0.9	8
13	Defining natural factors that stimulate and inhibit cellulose:xyloglucan hetero-transglucosylation. <i>Plant Journal</i> , 2021, 105, 1549-1565.	5.7	6
14	Setting the boundaries: Primary cell wall synthesis and expansion. <i>Biochemist</i> , 2011, 33, 14-19.	0.5	4