Li Tan

List of Publications by Year
in descending order

31	2,210	394421 19	454955 30
papers	citations	h-index	g-index

34	34	34	2325
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiple Arabidopsis galacturonosyltransferases synthesize polymeric homogalacturonan by oligosaccharide acceptorâ€dependent or <i>de novo</i> synthesis. Plant Journal, 2022, 109, 1441-1456.	5.7	14
2	Extensins: Self-Assembly, Crosslinking, and the Role of Peroxidases. Frontiers in Plant Science, 2021, 12, 664738.	3.6	21
3	A Molecular Pinball Machine of the Plasma Membrane Regulates Plant Growthâ€"A New Paradigm. Cells, 2021, 10, 1935.	4.1	9
4	Extensins at the front line of plant defence. A commentary on: â€˜Extensin arabinosylation is involved in root response to elicitors and limits oomycete colonizationâ€™. Annals of Botany, 2020, 125, vii-viii.	2.9	5
5	Phyllotaxis Turns Over a New Leafâ€"A New Hypothesis. International Journal of Molecular Sciences, 2020, 21, 1145.	4.1	10
6	Working towards recalcitrance mechanisms: increased xylan and homogalacturonan production by overexpression of GAlactUronosylTransferase12 (GAUT12) causes increased recalcitrance and decreased growth in Populus. Biotechnology for Biofuels, 2018, 11, 9.	6.2	31
7	Sugar release and growth of biofuel crops are improved by downregulation of pectin biosynthesis. Nature Biotechnology, 2018, 36, 249-257.	17.5	136
8	Intermolecular interactions between glycomodules of plant cell wall arabinogalactan-proteins and extensins. Cell Surface, 2018, 1, 25-33.	3.0	17
9	Pollen tube growth and guidance: Occam's razor sharpened on a molecular arabinogalactan glycoprotein Rosetta Stone. New Phytologist, 2018, 217, 491-500.	7.3	49
10	The Role of the Primary Cell Wall in Plant Morphogenesis. International Journal of Molecular Sciences, 2018, 19, 2674.	4.1	19
11	Comparison of four glycosyl residue composition methods for effectiveness in detecting sugars from cell walls of dicot and grass tissues. Biotechnology for Biofuels, 2017, 10, 182.	6.2	22
12	Nanospherical arabinogalactan proteins are a key component of the high-strength adhesive secreted by English ivy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3193-202.	7.1	62
13	Arabinosylation Plays a Crucial Role in Extensin Cross-linking <i>In Vitro</i>. Biochemistry Insights, 2015, 8s2, BCI.S31353.	3.3	21
14	Loss of Arabidopsis GAUT12/IRX8 causes anther indehiscence and leads to reduced G lignin associated with altered matrix polysaccharide deposition. Frontiers in Plant Science, 2014, 5, 357.	3.6	50
15	Changes in Cell Wall Properties Coincide with Overexpression of Extensin Fusion Proteins in Suspension Cultured Tobacco Cells. PLoS ONE, 2014, 9, e115906.	2.5	9
16	An <i>Arabidopsis</i> Cell Wall Proteoglycan Consists of Pectin and Arabinoxylan Covalently Linked to an Arabinogalactan Protein. Plant Cell, 2013, 25, 270-287.	6.6	409
17	Arabinogalactan-proteins and the research challenges for these enigmatic plant cell surface proteoglycans. Frontiers in Plant Science, 2012, 3, 140.	3.6	135
18	Synthesis of the plant cell wallËˆs most complex glycan: pectin â€•surprises in glycosyltransferase processing and anchoring in the Golgi. FASEB Journal, 2012, 26, 349.3.	0.5	2

#	Article	IF	Citations
19	Structural Proteins of the Primary Cell Wall: Extraction, Purification, and Analysis. Methods in Molecular Biology, 2011, 715, 209-219.	0.9	6
20	Human growth hormone expressed in tobacco cells as an arabinogalactan-protein fusion glycoprotein has a prolonged serum life. Transgenic Research, 2010, 19, 849-867.	2.4	72
21	Plant O-Hydroxyproline Arabinogalactans Are Composed of Repeating Trigalactosyl Subunits with Short Bifurcated Side Chains. Journal of Biological Chemistry, 2010, 285, 24575-24583.	3.4	98
22	Identification and Characterization of in Vitro Galactosyltransferase Activities Involved in Arabinogalactan-Protein Glycosylation in Tobacco and Arabidopsis Â Â. Plant Physiology, 2010, 154, 632-642.	4.8	30
23	The O-Hyp glycosylation code in tobacco and Arabidopsis and a proposed role of Hyp-glycans in secretion. Phytochemistry, 2008, 69, 1631-1640.	2.9	83
24	KDELâ€tailed cysteine endopeptidases involved in programmed cell death, intercalation of new cells, and dismantling of extensin scaffolds. American Journal of Botany, 2008, 95, 1049-1062.	1.7	66
25	Self-assembly of the plant cell wall requires an extensin scaffold. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2226-2231.	7.1	259
26	High-yields and extended serum half-life of human interferon Î±2b expressed in tobacco cells as arabinogalactan-protein fusions. Biotechnology and Bioengineering, 2007, 97, 997-1008.	3.3	93
27	Aggregate structure of hydroxyproline-rich glycoprotein (HRGP) and HRGP assisted dispersion of carbon nanotubes. Nanoscale Research Letters, 2006, 1, 154-159.	5.7	6
28	Di-isodityrosine Is the Intermolecular Cross-link of Isodityrosine-rich Extensin Analogs Cross-linked in Vitro. Journal of Biological Chemistry, 2004, 279, 55474-55482.	3.4	102
29	Structure of a Hydroxyproline (Hyp)-Arabinogalactan Polysaccharide from Repetitive Ala-Hyp Expressed in Transgenic Nicotiana tabacum. Journal of Biological Chemistry, 2004, 279, 13156-13165.	3.4	137
30	Glycosylation Motifs That Direct Arabinogalactan Addition to Arabinogalactan-Proteins. Plant Physiology, 2003, 132, 1362-1369.	4.8	134
31	Tomato LeAGP-1 arabinogalactan-protein purified from transgenic tobacco corroborates the Hyp contiguity hypothesis. Plant Journal, 2002, 31, 431-444.	5.7	77