Jacqueline Freeman

List of Publications by Year
in descending order

30	2,140	331670 21	477307 29
papers	citations	h-index	g-index

31	31	31	2150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nucleotide sequence of a B1 hordein gene and the identification of possible upstream regulatory elements in endosperm storage protein genes from barley, wheat and maize. Nucleic Acids Research, 1985, 13, 7327-7339.	14.5	263
2	Glycosyl transferases in family 61 mediate arabinofuranosyl transfer onto xylan in grasses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 989-993.	7.1	263
3	Changes in Protein Secondary Structure during Gluten Deformation Studied by Dynamic Fourier Transform Infrared Spectroscopy. Biomacromolecules, 2005, 6, 255-261.	5.4	251
4	Primary structure and differential expression of beta-amylase in normal and mutant barleys. FEBS Journal, 1987, 169, 517-525.	0.2	153
5	Down-Regulation of the <i>CSLF6</i> Gene Results in Decreased (1,3;1,4)-<i>Î²</i>-<scp>d</scp>-Glucan in Endosperm of Wheat. Plant Physiology, 2010, 152, 1209-1218.	4.8	110
6	Cell Walls of Developing Wheat Starchy Endosperm: Comparison of Composition and RNA-Seq Transcriptome Â Â Â. Plant Physiology, 2012, 158, 612-627.	4.8	110
7	Gaeumannomyces graminis, the take-all fungus and its relatives. Molecular Plant Pathology, 2004, 5, 235-252.	4.2	98
8	Suppression of a single <scp>BAHD</scp> gene in <i>Setaria viridis</i> causes large, stable decreases in cell wall feruloylation and increases biomass digestibility. New Phytologist, 2018, 218, 81-93.	7.3	91
9	An integrated study of grain development of wheat (cv. Hereward). Journal of Cereal Science, 2012, 56, 21-30.	3.7	85
10	RNA Interference Suppression of Genes in Glycosyl Transferase Families 43 and 47 in Wheat Starchy Endosperm Causes Large Decreases in Arabinoxylan Content. Plant Physiology, 2013, 163, 95-107.	4.8	80
11	Nuclear factors interact with conserved A/T-rich elements upstream of a nodule-enhanced glutamine synthetase gene from French bean.. Plant Cell, 1990, 2, 925-939.	6.6	76
12	A Polymerase Chain Reaction (PCR) Assay for the Detection of Inoculum of Sclerotinia sclerotiorum. European Journal of Plant Pathology, 2002, 108, 877-886.	1.7	70
13	Grass cell wall feruloylation: distribution of bound ferulate and candidate gene expression in Brachypodium distachyon. Frontiers in Plant Science, 2013, 4, 50.	3.6	63
14	Detection of airborne fungal spores sampled by rotating-arm and Hirst-type spore traps using polymerase chain reaction assays. Journal of Aerosol Science, 2002, 33, 283-296.	3.8	58
15	Temporal and spatial changes in cell wall composition in developing grains of wheat cv. Hereward. Planta, 2010, 232, 677-689.	3.2	49
16	Detection of airborne inoculum of Leptosphaeria maculans and Pyrenopeziza brassicae in oilseed rape crops by polymerase chain reaction (PCR) assays. Plant Pathology, 2002, 51, 303-310.	2.4	46
17	Sub-families of hordein mRNA encoded at the Hor 2 locus of barley. Molecular Genetics and Genomics, 1983, 191, 194-200.	2.4	44
18	Molecular analysis of barley mutants deficient in chloroplast glutamine synthetase. Plant Molecular Biology, 1990, 14, 297-311.	3.9	39

#	Article	IF	Citations
19	Feruloylation and structure of arabinoxylan in wheat endosperm cell walls from <scp>RNA</scp>i lines with suppression of genes responsible for backbone synthesis and decoration. Plant Biotechnology Journal, 2017, 15, 1429-1438.	8.3	37
20	Temporal and spatial control of transgene expression using a heatâ€inducible promoter in transgenic wheat. Plant Biotechnology Journal, 2011, 9, 788-796.	8.3	26
21	Differential gene expression in the developing barley endosperm. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1986, 314, 355-365.	2.3	25
22	Identification of a major QTL and associated molecular marker for high arabinoxylan fibre in white wheat flour. PLoS ONE, 2020, 15, e0227826.	2.5	20
23	Methods for studying population structure, including sensitivity to the fungicide silthiofam, of the cereal take-all fungus, Gaeumannomyces graminis var. tritici. Plant Pathology, 2005, 54, 686-698.	2.4	18
24	Effect of suppression of arabinoxylan synthetic genes in wheat endosperm on chain length of arabinoxylan and extract viscosity. Plant Biotechnology Journal, 2016, 14, 109-116.	8.3	18
25	The origin and early development of wheat glutenin particles. Journal of Cereal Science, 2008, 48, 870-877.	3.7	16
26	Loss of TaIRX9b gene function in wheat decreases chain length and amount of arabinoxylan in grain but increases crossâ€linking. Plant Biotechnology Journal, 2020, 18, 2316-2327.	8.3	16
27	Response of cell-wall composition and RNA-seq transcriptome to methyl-jasmonate in Brachypodium distachyon callus. Planta, 2018, 248, 1213-1229.	3.2	7
28	Challenges and Opportunities for Using Wheat for Biofuel Production. RSC Energy and Environment Series, 2010, , 13-26.	0.5	4
29	Optimising the Content and Composition of Dietary Fibre in Wheat Grain for End-use Quality. , 2014, , 455-466.		3
30	Improving wheat as a source of dietary fibre for human health. Proceedings of the Nutrition Society, 2015, 74, .	1.0	1