Christine Finnie

List of Publications by Year
in descending order

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74	3,065	117625	161849
papers	citations	34 h-index	54 g-index

77	77	77	3323
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proteome Analysis of Grain Filling and Seed Maturation in Barley. Plant Physiology, 2002, 129, 1308-1319.	4.8	239
2	Proteome analysis of barley seeds: Identification of major proteins from two-dimensional gels (pI 4â€“7). Proteomics, 2004, 4, 2437-2447.	2.2	125
3	Effects of Â-1,3-glucan from Septoria tritici on structural defence responses in wheat. Journal of Experimental Botany, 2009, 60, 4287-4300.	4.8	124
4	14-3-3 proteins: eukaryotic regulatory proteins with many functions. Plant Molecular Biology, 1999, 40, 545-554.	3.9	122
5	Cy5 maleimide labelling for sensitive detection of free thiols in native protein extracts: identification of seed proteins targeted by barley thioredoxin h isoforms. Biochemical Journal, 2004, 378, 497-507.	3.7	114
6	Comparative proteome analysis of metabolic proteins from seeds of durum wheat (cv. Svevo) subjected to heat stress. Proteomics, 2010, 10, 2359-2368.	2.2	114
7	Proteins Exported via the PrsD-PrsE Type I Secretion System and the Acidic Exopolysaccharide Are Involved in Biofilm Formation by Rhizobium leguminosarum. Journal of Bacteriology, 2006, 188, 4474-4486.	2.2	110
8	Implications of highâ€temperature events and water deficits on protein profiles in wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	103
9	Barley seed proteomics from spots to structures. Journal of Proteomics, 2009, 72, 315-324.	2.4	94
10	Structural Basis for Target Protein Recognition byÂthe Protein Disulfide Reductase Thioredoxin. Structure, 2006, 14, 1701-1710.	3.3	93
11	Fusarium graminearum and Its Interactions with Cereal Heads: Studies in the Proteomics Era. Frontiers in Plant Science, 2013, 4, 37.	3.6	84
12	Secretomics identifies Fusarium graminearum proteins involved in the interaction with barley and wheat. Molecular Plant Pathology, 2012, 13, 445-453.	4.2	83
13	The Rhizobium leguminosarum prsDE genes are required for secretion of several proteins, some of which influence nodulation, symbiotic nitrogen fixation and exopolysaccharide modification. Molecular Microbiology, 1997, 25, 135-146.	2.5	81
14	Molecular speciation and tissue compartmentation of zinc in durum wheat grains with contrasting nutritional status. New Phytologist, 2016, 211, 1255-1265.	7.3	77
15	Spatioâ€temporal changes in germination and radical elongation of barley seeds tracked by proteome analysis of dissected embryo, aleurone layer, and endosperm tissues. Proteomics, 2007, 7, 4528-4540.	2.2	72
16	The NADPH-Dependent Thioredoxin Reductase/Thioredoxin System in Germinating Barley Seeds: Gene Expression, Protein Profiles, and Interactions between Isoforms of Thioredoxin h and Thioredoxin Reductase. Plant Physiology, 2008, 146, 323-324.	4.8	71
17	Responses of barley root and shoot proteomes to longâ€term nitrogen deficiency, shortâ€term nitrogen starvation and ammonium. Plant, Cell and Environment, 2011, 34, 2024-2037.	5.7	65
18	Feasibility study of a tissue-specific approach to barley proteome analysis: aleurone layer, endosperm, embryo and single seeds. Journal of Cereal Science, 2003, 38, 217-227.	3.7	64

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19	Characterization of Rhizobium leguminosarum Exopolysaccharide Glycanases That Are Secreted via a Type I Exporter and Have a Novel Heptapeptide Repeat Motif. Journal of Bacteriology, 1998, 180, 1691-1699.	2.2	64
20	Proteomes of the barley aleurone layer: A model system for plant signalling and protein secretion. Proteomics, 2011, 11, 1595-1605.	2.2	58
21	Identification of thioredoxin?h-reducible disulphides in proteomes by differential labelling of cysteines: Insight into recognition and regulation of proteins in barley seeds by thioredoxin?h. Proteomics, 2005, 5, 1634-1644.	2.2	57
22	Differential appearance of isoforms and cultivar variation in protein temporal profiles revealed in the maturing barley grain proteome. Plant Science, 2006, 170, 808-821.	3.6	56
23	Analysis of early events in the interaction between Fusarium graminearum and the susceptible barley (Hordeum vulgare) cultivar Scarlett. Proteomics, 2010, 10, 3748-3755.	2.2	55
24	Identification, cloning and characterization of two thioredoxin h isoforms, HvTrxh1 and HvTrxh2, from the barley seed proteome. FEBS Journal, 2003, 270, 2633-2643.	0.2	54
25	Enrichment and Identification of Integral Membrane Proteins from Barley Aleurone Layers by Reversed-Phase Chromatography, SDS-PAGE, and LCâ^'MS/MS. Journal of Proteome Research, 2006, 5, 3105-3113.	3.7	54
26	Do 14-3-3 proteins and plasma membrane H+-AtPases interact in the barley epidermis in response to the barley powdery mildew fungus?. Plant Molecular Biology, 2002, 49, 137-147.	3.9	50
27	Investigation of the effect of nitrogen on severity of Fusarium Head Blight in barley. Journal of Proteomics, 2010, 73, 743-752.	2.4	49
28	Effect of pulsed electric field on the germination of barley seeds. LWT - Food Science and Technology, 2012, 47, 161-166.	5.2	47
29	Spatio-temporal profiling and degradation of Î±-amylase isozymes during barley seed germination. FEBS Journal, 2007, 274, 2552-2565.	4.7	42
30	Plant redox proteomics. Journal of Proteomics, 2011, 74, 1450-1462.	2.4	41
31	Extracellular Glycanases of Rhizobium leguminosarum Are Activated on the Cell Surface by an Exopolysaccharide-Related Component. Journal of Bacteriology, 2000, 182, 1304-1312.	2.2	40
32	Barley peroxidase isozymes. International Journal of Mass Spectrometry, 2007, 268, 244-253.	1.5	38
33	Proteome Regulation during Olea europaea Fruit Development. PLoS ONE, 2013, 8, e53563.	2.5	36
34	Glycopeptide Enrichment Using a Combination of ZIC-HILIC and Cotton Wool for Exploring the Glycoproteome of Wheat Flour Albumins. Journal of Proteome Research, 2014, 13, 2696-2703.	3.7	36
35	Plasma membrane proteome analysis identifies a role of barley membrane steroid binding protein in root architecture response to salinity. Plant, Cell and Environment, 2018, 41, 1311-1330.	5.7	36
36	Environmental and transgene expression effects on the barley seed proteome. Phytochemistry, 2004, 65, 1619-1627.	2.9	32

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37	Gibberellic Acid-Induced Aleurone Layers Responding to Heat Shock or Tunicamycin Provide Insight into the N-Glycoproteome, Protein Secretion, and Endoplasmic Reticulum Stress Â. Plant Physiology, 2014, 164, 951-965.	4.8	31
38	Crystal structures of barley thioredoxin h isoforms HvTrxh1 and HvTrxh2 reveal features involved in protein recognition and possibly in discriminating the isoform specificity. Protein Science, 2008, 17, 1015-1024.	7.6	27
39	Proteolysis during the isoelectric focusing step of two-dimensional gel electrophoresis may be a common problem. Analytical Biochemistry, 2002, 311, 182-186.	2.4	26
40	From protein catalogues towards targeted proteomics approaches in cereal grains. Phytochemistry, 2011, 72, 1145-1153.	2.9	25
41	From Proteomics to Structural Studies of Cytosolic/Mitochondrial-Type Thioredoxin Systems in Barley Seeds. Molecular Plant, 2009, 2, 378-389.	8.3	24
42	The plasma membrane proteome of germinating barley embryos. Proteomics, 2009, 9, 3787-3794.	2.2	24
43	Identification of thioredoxin target disulfides in proteins released from barley aleurone layers. Journal of Proteomics, 2010, 73, 1133-1136.	2.4	23
44	Response of germinating barley seeds to Fusarium graminearum: The first molecular insight into Fusarium seedling blight. Plant Physiology and Biochemistry, 2011, 49, 1362-1368.	5.8	22
45	Proteomic and activity profiles of ascorbateâ€“glutathione cycle enzymes in germinating barley embryo. Phytochemistry, 2010, 71, 1650-1656.	2.9	20
46	Seed thioredoxin h. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 974-982.	2.3	20
47	Integration of the barley genetic and seed proteome maps for chromosome 1H, 2H, 3H, 5H and 7H. Functional and Integrative Genomics, 2009, 9, 135-143.	3.5	18
48	Structure ofHordeum vulgareNADPH-dependent thioredoxin reductase 2. Unwinding the reaction mechanism. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 932-941.	2.5	18
49	Exploring the Plantâ€“Microbe Interface by Profiling the Surface-Associated Proteins of Barley Grains. Journal of Proteome Research, 2016, 15, 1151-1167.	3.7	14
50	Spatio-temporal appearance ofÎ±-amylase and limit dextrinase in barley aleurone layer in response to gibberellic acid, abscisic acid and salicylic acid. Journal of the Science of Food and Agriculture, 2015, 95, 141-147.	3.5	12
51	Monitoring intra- and extracellular redox capacity of intact barley aleurone layers responding to phytohormones. Analytical Biochemistry, 2016, 515, 1-8.	2.4	9
52	Investigation of the indigenous fungal community populating barley grains: Secretomes and xylanolytic potential. Journal of Proteomics, 2017, 169, 153-164.	2.4	9
53	A novel twist on molecular interactions between thioredoxin and nicotinamide adenine dinucleotide phosphateâ€dependent thioredoxin reductase. Proteins: Structure, Function and Bioinformatics, 2014, 82, 607-619.	2.6	8
54	Proteome Analysis for the Study of Developmental Processes in Plants. , 0, , 151-184.		7

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55	Surveying the Plant Cell Wall Proteome, or Secretome. , 0, , 185-209.		7
56	The barley grain thioredoxin system â€“ an update. Frontiers in Plant Science, 2013, 4, 151.	3.6	7
57	Barley Proteome Analysis, Starch Degrading Enzymes and Proteinaceous Inhibitors. Journal of Applied Glycoscience (1999), 2003, 50, 277-282.	0.7	5
58	Onset of grain filling is associated with a change in properties of linker histone variants in maize kernels. Planta, 2010, 231, 1127-1135.	3.2	5
59	Chapter 15 Molecular Recognition in NADPH-Dependent Plant Thioredoxin Systemsâ€"Catalytic Mechanisms, Structural Snapshots and Target Identifications. Advances in Botanical Research, 2009, 52, 461-495.	1.1	4
60	Barley Grain Proteins. , 2014, , 123-168.		4
61	Immobilisation of barley aleurone layers enables parallelisation of assays and analysis of transient gene expression in single cells. Plant Physiology and Biochemistry, 2017, 118, 71-76.	5.8	3
62	Barley Proteomics. Compendium of Plant Genomes, 2018, , 345-361.	0.5	3
63	Identification of Thioredoxin Target Disulfides Using Isotope-Coded Affinity Tags. Methods in Molecular Biology, 2014, 1072, 677-685.	0.9	3
64	Plant Proteomics: Challenges and Resources. , 0, , 1-31.		2
65	Proteomics of Disulphide and Cysteine Oxidoreduction. , 0, , 71-97.		2
66	Plant Plasma Membrane Proteomics: Challenges and Possibilities. , 2011, , 411-434.		2
67	Quantitative Proteomics Analysis of Barley-Based Liquid Feed and the Effect of Protease Inhibitors and NADPH-Dependent Thioredoxin Reductase/Thioredoxin (NTR/Trx) System. Journal of Agricultural and Food Chemistry, 2019, 67, 6432-6444.	5.2	1
68	Structural Proteomics. , 0, , 99-128.		0
69	Cereal Proteomics. , 0, , 129-149.		0
70	Identification and spatio-temporal expression analysis of barley genes that encode putative modular xylanolytic enzymes. Plant Science, 2021, 308, 110792.	3.6	0
71	Interactions between Barley .ALPHA.-Amylases, Substrates, Inhibitors and Regulatory Proteins. Journal of Applied Glycoscience (1999), 2006, 53, 163-169.	0.7	0
72	Proteomic Analysis of Post-Translational Modifications by Mass Spectrometry. , 0, , 33-53.		0

#	Article	IF	Citations
73	Strategies for the Investigation of Proteinâ€“Protein Interactions in Plants. , 0, , 55-70.		0
74	Proteomics of Plant Mitochondria. , 0, , 211-243.		0