Christine Finnie

List of Publications by Year
in descending order

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74	3,065	117453	161609
papers	citations	34 h-index	54 g-index

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

#	Article	IF	Citations
1	Identification and spatio-temporal expression analysis of barley genes that encode putative modular xylanolytic enzymes. Plant Science, 2021, 308, 110792.	1.7	0
2	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.	2.4	1
3	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.	2.8	36
4	Barley Proteomics. Compendium of Plant Genomes, 2018, , 345-361.	0.3	3
5	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.	2.8	3
6	Investigation of the indigenous fungal community populating barley grains: Secretomes and xylanolytic potential. Journal of Proteomics, 2017, 169, 153-164.	1.2	9
7	Molecular speciation and tissue compartmentation of zinc in durum wheat grains with contrasting nutritional status. New Phytologist, 2016, 211, 1255-1265.	3.5	77
8	Exploring the Plantâ€“Microbe Interface by Profiling the Surface-Associated Proteins of Barley Grains. Journal of Proteome Research, 2016, 15, 1151-1167.	1.8	14
9	Monitoring intra- and extracellular redox capacity of intact barley aleurone layers responding to phytohormones. Analytical Biochemistry, 2016, 515, 1-8.	1.1	9
10	Seed thioredoxin h. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 974-982.	1.1	20
11	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.	1.7	12
12	Barley Grain Proteins. , 2014, , 123-168.		4
13	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.	1.5	8
14	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.	2.3	31
15	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.	1.8	36
16	Identification of Thioredoxin Target Disulfides Using Isotope-Coded Affinity Tags. Methods in Molecular Biology, 2014, 1072, 677-685.	0.4	3
17	The barley grain thioredoxin system â€“ an update. Frontiers in Plant Science, 2013, 4, 151.	1.7	7
18	Fusarium graminearum and Its Interactions with Cereal Heads: Studies in the Proteomics Era. Frontiers in Plant Science, 2013, 4, 37.	1.7	84

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19	Proteome Regulation during Olea europaea Fruit Development. PLoS ONE, 2013, 8, e53563.	1.1	36
20	Effect of pulsed electric field on the germination of barley seeds. LWT - Food Science and Technology, 2012, 47, 161-166.	2.5	47
21	Secretomics identifies Fusarium graminearum proteins involved in the interaction with barley and wheat. Molecular Plant Pathology, 2012, 13, 445-453.	2.0	83
22	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.	2.8	65
23	Response of germinating barley seeds to Fusarium graminearum: The first molecular insight into Fusarium seedling blight. Plant Physiology and Biochemistry, 2011, 49, 1362-1368.	2.8	22
24	Implications of highâ€temperature events and water deficits on protein profiles in wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.3	103
25	Proteomes of the barley aleurone layer: A model system for plant signalling and protein secretion. Proteomics, 2011, 11, 1595-1605.	1.3	58
26	Plant redox proteomics. Journal of Proteomics, 2011, 74, 1450-1462.	1.2	41
27	From protein catalogues towards targeted proteomics approaches in cereal grains. Phytochemistry, 2011, 72, 1145-1153.	1.4	25
28	Plant Plasma Membrane Proteomics: Challenges and Possibilities. , 2011, , 411-434.		2
29	Onset of grain filling is associated with a change in properties of linker histone variants in maize kernels. Planta, 2010, 231, 1127-1135.	1.6	5
30	Investigation of the effect of nitrogen on severity of Fusarium Head Blight in barley. Journal of Proteomics, 2010, 73, 743-752.	1.2	49
31	Identification of thioredoxin target disulfides in proteins released from barley aleurone layers. Journal of Proteomics, 2010, 73, 1133-1136.	1.2	23
32	Proteomic and activity profiles of ascorbateâ€“glutathione cycle enzymes in germinating barley embryo. Phytochemistry, 2010, 71, 1650-1656.	1.4	20
33	Comparative proteome analysis of metabolic proteins from seeds of durum wheat (cv. Svevo) subjected to heat stress. Proteomics, 2010, 10, 2359-2368.	1.3	114
34	Analysis of early events in the interaction between Fusarium graminearum and the susceptible barley (Hordeum vulgare) cultivar Scarlett. Proteomics, 2010, 10, 3748-3755.	1.3	55
35	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.	0.5	4
36	From Proteomics to Structural Studies of Cytosolic/Mitochondrial-Type Thioredoxin Systems in Barley Seeds. Molecular Plant, 2009, 2, 378-389.	3.9	24

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37	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.	1.4	18
38	The plasma membrane proteome of germinating barley embryos. Proteomics, 2009, 9, 3787-3794.	1.3	24
39	Structure ofHordeum vulgareNADPH-dependent thioredoxin reductase 2. Unwinding the reaction mechanism. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 932-941.	2.5	18
40	Barley seed proteomics from spots to structures. Journal of Proteomics, 2009, 72, 315-324.	1.2	94
41	Effects of Â-1,3-glucan from Septoria tritici on structural defence responses in wheat. Journal of Experimental Botany, 2009, 60, 4287-4300.	2.4	124
42	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.	3.1	27
43	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.	2.3	71
44	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.	1.3	72
45	Spatio-temporal profiling and degradation of Î±-amylase isozymes during barley seed germination. FEBS Journal, 2007, 274, 2552-2565.	2.2	42
46	Barley peroxidase isozymes. International Journal of Mass Spectrometry, 2007, 268, 244-253.	0.7	38
47	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.	1.8	54
48	Differential appearance of isoforms and cultivar variation in protein temporal profiles revealed in the maturing barley grain proteome. Plant Science, 2006, 170, 808-821.	1.7	56
49	Structural Basis for Target Protein Recognition byÂthe Protein Disulfide Reductase Thioredoxin. Structure, 2006, 14, 1701-1710.	1.6	93
50	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.	1.0	110
51	Interactions between Barley .ALPHA.-Amylases, Substrates, Inhibitors and Regulatory Proteins. Journal of Applied Glycoscience (1999), 2006, 53, 163-169.	0.3	0
52	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.	1.3	57
53	Proteome analysis of barley seeds: Identification of major proteins from two-dimensional gels (pI 4â€“7). Proteomics, 2004, 4, 2437-2447.	1.3	125
54	Environmental and transgene expression effects on the barley seed proteome. Phytochemistry, 2004, 65, 1619-1627.	1.4	32

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55	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.	1.7	114
56	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.	1.8	64
57	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
58	Barley Proteome Analysis, Starch Degrading Enzymes and Proteinaceous Inhibitors. Journal of Applied Glycoscience (1999), 2003, 50, 277-282.	0.3	5
59	Proteome Analysis of Grain Filling and Seed Maturation in Barley. Plant Physiology, 2002, 129, 1308-1319.	2.3	239
60	Proteolysis during the isoelectric focusing step of two-dimensional gel electrophoresis may be a common problem. Analytical Biochemistry, 2002, 311, 182-186.	1.1	26
61	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.	2.0	50
62	Extracellular Glycanases of Rhizobium leguminosarum Are Activated on the Cell Surface by an Exopolysaccharide-Related Component. Journal of Bacteriology, 2000, 182, 1304-1312.	1.0	40
63	14-3-3 proteins: eukaryotic regulatory proteins with many functions. Plant Molecular Biology, 1999, 40, 545-554.	2.0	122
64	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.	1.0	64
65	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.	1.2	81
66	Structural Proteomics. , 0, , 99-128.		0
67	Cereal Proteomics. , 0, , 129-149.		0
68	Proteome Analysis for the Study of Developmental Processes in Plants. , 0, , 151-184.		7
69	Plant Proteomics: Challenges and Resources. , 0, , 1-31.		2
70	Surveying the Plant Cell Wall Proteome, or Secretome. , 0, , 185-209.		7
71	Proteomics of Disulphide and Cysteine Oxidoreduction. , 0, , 71-97.		2
72	Proteomic Analysis of Post-Translational Modifications by Mass Spectrometry. , 0, , 33-53.		0

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