

Christine Finnie

List of Publications by Year in descending order

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74
papers

3,065
citations

117453

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161609

54
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77
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docs citations

77
times ranked

3323
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteome Analysis of Grain Filling and Seed Maturation in Barley. <i>Plant Physiology</i> , 2002, 129, 1308-1319.	2.3	239
2	Proteome analysis of barley seeds: Identification of major proteins from two-dimensional gels (pI 4â€“7). <i>Proteomics</i> , 2004, 4, 2437-2447.	1.3	125
3	Effects of Î-1,3-glucan from <i>Septoria tritici</i> on structural defence responses in wheat. <i>Journal of Experimental Botany</i> , 2009, 60, 4287-4300.	2.4	124
4	14-3-3 proteins: eukaryotic regulatory proteins with many functions. <i>Plant Molecular Biology</i> , 1999, 40, 545-554.	2.0	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. <i>Biochemical Journal</i> , 2004, 378, 497-507.	1.7	114
6	Comparative proteome analysis of metabolic proteins from seeds of durum wheat (cv. Svevo) subjected to heat stress. <i>Proteomics</i> , 2010, 10, 2359-2368.	1.3	114
7	Proteins Exported via the PrsD-PrsE Type I Secretion System and the Acidic Exopolysaccharide Are Involved in Biofilm Formation by <i>Rhizobium leguminosarum</i> . <i>Journal of Bacteriology</i> , 2006, 188, 4474-4486.	1.0	110
8	Implications of high-temperature events and water deficits on protein profiles in wheat (<i>Triticum turgidum</i> L.) cv. Overlock 10 T. <i>Journal of Proteomics</i> , 2009, 72, 315-324.	1.3	108
9	Barley seed proteomics from spots to structures. <i>Journal of Proteomics</i> , 2009, 72, 315-324.	1.2	94
10	Structural Basis for Target Protein Recognition by the Protein Disulfide Reductase Thioredoxin. <i>Structure</i> , 2006, 14, 1701-1710.	1.6	93
11	<i>Fusarium graminearum</i> and Its Interactions with Cereal Heads: Studies in the Proteomics Era. <i>Frontiers in Plant Science</i> , 2013, 4, 37.	1.7	84
12	Secretomics identifies <i>Fusarium graminearum</i> proteins involved in the interaction with barley and wheat. <i>Molecular Plant Pathology</i> , 2012, 13, 445-453.	2.0	83
13	The <i>Rhizobium leguminosarum</i> prsDE genes are required for secretion of several proteins, some of which influence nodulation, symbiotic nitrogen fixation and exopolysaccharide modification. <i>Molecular Microbiology</i> , 1997, 25, 135-146.	1.2	81
14	Molecular speciation and tissue compartmentation of zinc in durum wheat grains with contrasting nutritional status. <i>New Phytologist</i> , 2016, 211, 1255-1265.	3.5	77
15	Spatio-temporal changes in germination and radical elongation of barley seeds tracked by proteome analysis of dissected embryo, aleurone layer, and endosperm tissues. <i>Proteomics</i> , 2007, 7, 4528-4540.	1.3	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. <i>Plant Physiology</i> , 2008, 146, 323-324.	2.3	71
17	Responses of barley root and shoot proteomes to long-term nitrogen deficiency, short-term nitrogen starvation and ammonium. <i>Plant, Cell and Environment</i> , 2011, 34, 2024-2037.	2.8	65
18	Feasibility study of a tissue-specific approach to barley proteome analysis: aleurone layer, endosperm, embryo and single seeds. <i>Journal of Cereal Science</i> , 2003, 38, 217-227.	1.8	64

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19	Characterization of <i>Rhizobium leguminosarum</i> Exopolysaccharide Glycanases That Are Secreted via a Type I Exporter and Have a Novel Heptapeptide Repeat Motif. <i>Journal of Bacteriology</i> , 1998, 180, 1691-1699.	1.0	64
20	Proteomes of the barley aleurone layer: A model system for plant signalling and protein secretion. <i>Proteomics</i> , 2011, 11, 1595-1605.	1.3	58
21	Identification of thio redoxin ^h -reducible disulphides in proteomes by differential labelling of cysteines: Insight into recognition and regulation of proteins in barley seeds by thio redoxin ^h . <i>Proteomics</i> , 2005, 5, 1634-1644.	1.3	57
22	Differential appearance of isoforms and cultivar variation in protein temporal profiles revealed in the maturing barley grain proteome. <i>Plant Science</i> , 2006, 170, 808-821.	1.7	56
23	Analysis of early events in the interaction between <i>Fusarium graminearum</i> and the susceptible barley (<i>Hordeum vulgare</i>) cultivar Scarlett. <i>Proteomics</i> , 2010, 10, 3748-3755.	1.3	55
24	Identification, cloning and characterization of two thio redoxin h isoforms, HvTrxh1 and HvTrxh2, from the barley seed proteome. <i>FEBS Journal</i> , 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 LC ^{MS/MS} . <i>Journal of Proteome Research</i> , 2006, 5, 3105-3113.	1.8	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?. <i>Plant Molecular Biology</i> , 2002, 49, 137-147.	2.0	50
27	Investigation of the effect of nitrogen on severity of Fusarium Head Blight in barley. <i>Journal of Proteomics</i> , 2010, 73, 743-752.	1.2	49
28	Effect of pulsed electric field on the germination of barley seeds. <i>LWT - Food Science and Technology</i> , 2012, 47, 161-166.	2.5	47
29	Spatio-temporal profiling and degradation of α -amylase isozymes during barley seed germination. <i>FEBS Journal</i> , 2007, 274, 2552-2565.	2.2	42
30	Plant redox proteomics. <i>Journal of Proteomics</i> , 2011, 74, 1450-1462.	1.2	41
31	Extracellular Glycanases of <i>Rhizobium leguminosarum</i> Are Activated on the Cell Surface by an Exopolysaccharide-Related Component. <i>Journal of Bacteriology</i> , 2000, 182, 1304-1312.	1.0	40
32	Barley peroxidase isozymes. <i>International Journal of Mass Spectrometry</i> , 2007, 268, 244-253.	0.7	38
33	Proteome Regulation during <i>Olea europaea</i> Fruit Development. <i>PLoS ONE</i> , 2013, 8, e53563.	1.1	36
34	Glycopeptide Enrichment Using a Combination of ZIC-HILIC and Cotton Wool for Exploring the Glycoproteome of Wheat Flour Albumins. <i>Journal of Proteome Research</i> , 2014, 13, 2696-2703.	1.8	36
35	Plasma membrane proteome analysis identifies a role of barley membrane steroid binding protein in root architecture response to salinity. <i>Plant, Cell and Environment</i> , 2018, 41, 1311-1330.	2.8	36
36	Environmental and transgene expression effects on the barley seed proteome. <i>Phytochemistry</i> , 2004, 65, 1619-1627.	1.4	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. <i>Plant Physiology</i> , 2014, 164, 951-965.	2.3	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. <i>Protein Science</i> , 2008, 17, 1015-1024.	3.1	27
39	Proteolysis during the isoelectric focusing step of two-dimensional gel electrophoresis may be a common problem. <i>Analytical Biochemistry</i> , 2002, 311, 182-186.	1.1	26
40	From protein catalogues towards targeted proteomics approaches in cereal grains. <i>Phytochemistry</i> , 2011, 72, 1145-1153.	1.4	25
41	From Proteomics to Structural Studies of Cytosolic/Mitochondrial-Type Thioredoxin Systems in Barley Seeds. <i>Molecular Plant</i> , 2009, 2, 378-389.	3.9	24
42	The plasma membrane proteome of germinating barley embryos. <i>Proteomics</i> , 2009, 9, 3787-3794.	1.3	24
43	Identification of thioredoxin target disulfides in proteins released from barley aleurone layers. <i>Journal of Proteomics</i> , 2010, 73, 1133-1136.	1.2	23
44	Response of germinating barley seeds to <i>Fusarium graminearum</i> : The first molecular insight into <i>Fusarium</i> seedling blight. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1362-1368.	2.8	22
45	Proteomic and activity profiles of ascorbate-glutathione cycle enzymes in germinating barley embryo. <i>Phytochemistry</i> , 2010, 71, 1650-1656.	1.4	20
46	Seed thioredoxin h. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 974-982.	1.1	20
47	Integration of the barley genetic and seed proteome maps for chromosome 1H, 2H, 3H, 5H and 7H. <i>Functional and Integrative Genomics</i> , 2009, 9, 135-143.	1.4	18
48	Structure of <i>Hordeum vulgare</i> NADPH-dependent thioredoxin reductase 2. Unwinding the reaction mechanism. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 932-941.	2.5	18
49	Exploring the Plant-Microbe Interface by Profiling the Surface-Associated Proteins of Barley Grains. <i>Journal of Proteome Research</i> , 2016, 15, 1151-1167.	1.8	14
50	Spatio-temporal appearance of α -amylase and limit dextrinase in barley aleurone layer in response to gibberellic acid, abscisic acid and salicylic acid. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 141-147.	1.7	12
51	Monitoring intra- and extracellular redox capacity of intact barley aleurone layers responding to phytohormones. <i>Analytical Biochemistry</i> , 2016, 515, 1-8.	1.1	9
52	Investigation of the indigenous fungal community populating barley grains: Secretomes and xylanolytic potential. <i>Journal of Proteomics</i> , 2017, 169, 153-164.	1.2	9
53	A novel twist on molecular interactions between thioredoxin and nicotinamide adenine dinucleotide phosphate-dependent thioredoxin reductase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 607-619.	1.5	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 – an update. <i>Frontiers in Plant Science</i> , 2013, 4, 151.	1.7	7
57	Barley Proteome Analysis, Starch Degrading Enzymes and Proteinaceous Inhibitors. <i>Journal of Applied Glycoscience</i> (1999), 2003, 50, 277-282.	0.3	5
58	Onset of grain filling is associated with a change in properties of linker histone variants in maize kernels. <i>Planta</i> , 2010, 231, 1127-1135.	1.6	5
59	Chapter 15 Molecular Recognition in NADPH-Dependent Plant Thioredoxin Systems – Catalytic Mechanisms, Structural Snapshots and Target Identifications. <i>Advances in Botanical Research</i> , 2009, 52, 461-495.	0.5	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. <i>Plant Physiology and Biochemistry</i> , 2017, 118, 71-76.	2.8	3
62	Barley Proteomics. <i>Compendium of Plant Genomes</i> , 2018, , 345-361.	0.3	3
63	Identification of Thioredoxin Target Disulfides Using Isotope-Coded Affinity Tags. <i>Methods in Molecular Biology</i> , 2014, 1072, 677-685.	0.4	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. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6432-6444.	2.4	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. <i>Plant Science</i> , 2021, 308, 110792.	1.7	0
71	Interactions between Barley .ALPHA.-Amylases, Substrates, Inhibitors and Regulatory Proteins. <i>Journal of Applied Glycoscience</i> (1999), 2006, 53, 163-169.	0.3	0
72	Proteomic Analysis of Post-Translational Modifications by Mass Spectrometry. , 0, , 33-53.		0

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