

William H Vensel

List of Publications by Year in descending order

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46
papers

3,591
citations

159585

30
h-index

233421

45
g-index

46
all docs

46
docs citations

46
times ranked

3608
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic Profiling and Epitope Analysis of the Complex $\hat{1}\pm$ -, $\hat{1}^3$ -, and $\hat{1}^9$ -Gliadin Families in a Commercial Bread Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 818.	3.6	15
2	Effects of post-anthesis fertilizer on the protein composition of the gluten polymer in a US bread wheat. <i>Journal of Cereal Science</i> , 2016, 68, 66-73.	3.7	8
3	RNA interference targeting rye secalins alters flour protein composition in a wheat variety carrying a 1BL.1RS translocation. <i>Journal of Cereal Science</i> , 2016, 68, 172-180.	3.7	9
4	Specific Nongluten Proteins of Wheat Are Novel Target Antigens in Celiac Disease Humoral Response. <i>Journal of Proteome Research</i> , 2015, 14, 503-511.	3.7	60
5	Thioredoxin targets fundamental processes in a methane-producing archaeon, <i>Methanocaldococcus jannaschii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2608-2613.	7.1	41
6	An asparagine residue at the N-terminus affects the maturation process of low molecular weight glutenin subunits of wheat endosperm. <i>BMC Plant Biology</i> , 2014, 14, 64.	3.6	20
7	Protein composition of wheat gluten polymer fractions determined by quantitative two-dimensional gel electrophoresis and tandem mass spectrometry. <i>Proteome Science</i> , 2014, 12, 8.	1.7	68
8	Comparative proteomic analysis of the effect of temperature and fertilizer on gliadin and glutenin accumulation in the developing endosperm and flour from <i>Triticum aestivum</i> L. cv. Butte 86. <i>Proteome Science</i> , 2013, 11, 8.	1.7	83
9	Variant high-molecular-weight glutenin subunits arising from biolistic transformation of wheat. <i>Journal of Cereal Science</i> , 2013, 57, 496-503.	3.7	9
10	Effect of cleavage enzyme, search algorithm and decoy database on mass spectrometric identification of wheat gluten proteins. <i>Phytochemistry</i> , 2011, 72, 1154-1161.	2.9	37
11	Deciphering the complexities of the wheat flour proteome using quantitative two-dimensional electrophoresis, three proteases and tandem mass spectrometry. <i>Proteome Science</i> , 2011, 9, 10.	1.7	199
12	Differential effects of a post-anthesis fertilizer regimen on the wheat flour proteome determined by quantitative 2-DE. <i>Proteome Science</i> , 2011, 9, 46.	1.7	61
13	The spectrum of low molecular weight alpha-amylase/protease inhibitor genes expressed in the US bread wheat cultivar Butte 86. <i>BMC Research Notes</i> , 2011, 4, 242.	1.4	82
14	Integration of transcriptomic and proteomic data from a single wheat cultivar provides new tools for understanding the roles of individual alpha gliadin proteins in flour quality and celiac disease. <i>Journal of Cereal Science</i> , 2010, 52, 143-151.	3.7	39
15	Analysis of expressed sequence tags from a single wheat cultivar facilitates interpretation of tandem mass spectrometry data and discrimination of gamma gliadin proteins that may play different functional roles in flour. <i>BMC Plant Biology</i> , 2010, 10, 7.	3.6	45
16	Assessing the Role of Oxidized Methionine at Position 213 in the Formation of Prions in Hamsters. <i>Biochemistry</i> , 2010, 49, 1854-1861.	2.5	25
17	Effect of high temperature on albumin and globulin accumulation in the endosperm proteome of the developing wheat grain. <i>Journal of Cereal Science</i> , 2009, 49, 12-23.	3.7	140
18	Expression of globulin-2, a member of the cupin superfamily of proteins with similarity to known food allergens, is increased under high temperature regimens during wheat grain development. <i>Journal of Cereal Science</i> , 2009, 49, 47-54.	3.7	24

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19	Digestibility of protein and starch from sorghum (<i>Sorghum bicolor</i>) is linked to biochemical and structural features of grain endosperm. <i>Journal of Cereal Science</i> , 2009, 49, 73-82.	3.7	157
20	An active pseudopeptide analog of the leucokinin insect neuropeptide family. <i>International Journal of Peptide and Protein Research</i> , 2009, 37, 220-223.	0.1	17
21	Thioredoxin targets in plants: The first 30 years. <i>Journal of Proteomics</i> , 2009, 72, 452-474.	2.4	265
22	Globulins are the main seed storage proteins in <i>Brachypodium distachyon</i> . <i>Theoretical and Applied Genetics</i> , 2008, 117, 555-563.	3.6	34
23	Comparative proteomic and transcriptional profiling of a bread wheat cultivar and its derived transgenic line overexpressing a low molecular weight glutenin subunit gene in the endosperm. <i>Proteomics</i> , 2008, 8, 2948-2966.	2.2	65
24	Surface-Associated Proteins of Wheat Starch Granules: Suitability of Wheat Starch for Celiac Patients. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10292-10302.	5.2	30
25	Thioredoxin-Linked Proteins Are Reduced during Germination of <i>Medicago truncatula</i> Seeds. <i>Plant Physiology</i> , 2007, 144, 1559-1579.	4.8	134
26	Sensitive, preclinical detection of prions in brain by nanospray liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 4023-4026.	1.5	20
27	Protein accumulation and composition in wheat grains: Effects of mineral nutrients and high temperature. <i>European Journal of Agronomy</i> , 2006, 25, 96-107.	4.1	201
28	Biochemical and genetic characterization of wheat (<i>Triticum</i> spp.) kernel polyphenol oxidases. <i>Journal of Cereal Science</i> , 2006, 44, 353-367.	3.7	33
29	Proteome of amyloplasts isolated from developing wheat endosperm presents evidence of broad metabolic capability*. <i>Journal of Experimental Botany</i> , 2006, 57, 1591-1602.	4.8	125
30	A complete ferredoxin/thioredoxin system regulates fundamental processes in amyloplasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2988-2993.	7.1	161
31	Thioredoxin Target Proteins in Chloroplast Thylakoid Membranes. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1829-1834.	5.4	40
32	Developmental changes in the metabolic protein profiles of wheat endosperm. <i>Proteomics</i> , 2005, 5, 1594-1611.	2.2	188
33	Proteome mapping of mature pollen of <i>Arabidopsis thaliana</i> . <i>Proteomics</i> , 2005, 5, 4864-4884.	2.2	238
34	Genomic and Proteomic Identification of a DNA-Binding Protein Used in the "Fingerprinting" of <i>Campylobacter</i> Species and Strains by MALDI-TOF-MS Protein Biomarker Analysis. <i>Analytical Chemistry</i> , 2005, 77, 4897-4907.	6.5	58
35	Sequential Extraction and Quantitative Recovery of Gliadins, Glutenins, and Other Proteins from Small Samples of Wheat Flour. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1575-1584.	5.2	99
36	Thioredoxin Reduction Alters the Solubility of Proteins of Wheat Starchy Endosperm: An Early Event in Cereal Germination. <i>Plant and Cell Physiology</i> , 2004, 45, 407-415.	3.1	68

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37	Thioredoxin targets of developing wheat seeds identified by complementary proteomic approaches. <i>Phytochemistry</i> , 2004, 65, 1629-1640.	2.9	161
38	Thioredoxin links redox to the regulation of fundamental processes of plant mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2642-2647.	7.1	306
39	Unraveling thioredoxin-linked metabolic processes of cereal starchy endosperm using proteomics. <i>FEBS Letters</i> , 2003, 547, 151-156.	2.8	104
40	Identification of wheat endosperm proteins by MALDI mass spectrometry and LC-MS/MS. <i>Journal of Biomolecular Techniques</i> , 2002, 13, 95-100.	1.5	3
41	Characterization of the 1B-Type γ -Gliadins from <i>Triticum aestivum</i> Cultivar Butte. <i>Cereal Chemistry</i> , 2000, 77, 607-614.	2.2	75
42	Purification and Characterization of the Glutenin Subunits of <i>Triticum tauschii</i> , Progenitor of the D Genome in Hexaploid Bread Wheat. <i>Cereal Chemistry</i> , 1997, 74, 108-114.	2.2	9
43	Minimizing N-to-O shift in Edman sequencing. <i>Techniques in Protein Chemistry</i> , 1995, 6, 177-184.	0.3	1
44	Purification and characterization of wheat γ -gliadin synthesized in the yeast, <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1992, 116, 119-127.	2.2	18
45	Effect of sulfate position on myotropic activity of the gastrin/CCK α -like insect leucosulfakinins. <i>International Journal of Peptide and Protein Research</i> , 1989, 33, 223-229.	0.1	14
46	Endosperm and Amyloplast Proteomes of Wheat Grain. , 0, , 207-222.		2