Laurence V Bindschedler

List of Publications by Year
in descending order

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42 papers	4,480 citations	159585 30 h-index	302126 39 g-index
43 all docs	43 docs citations	43 times ranked	4962 citing authors

#	Article	IF	Citations
1	Analysis of Barley Leaf Epidermis and Extrahaustorial Proteomes During Powdery Mildew Infection Reveals That the PR5 Thaumatin-Like Protein TLP5 Is Required for Susceptibility Towards Blumeria graminis f. sp. hordei. Frontiers in Plant Science, 2019, 10, 1138.	3.6	19
2	Plant proteomics. , 2019, , 45-67.		7
3	Mildew-Omics: How Global Analyses Aid the Understanding of Life and Evolution of Powdery Mildews. Frontiers in Plant Science, 2016, 7, 123.	3.6	77
4	Interactions between the Powdery Mildew Effector BEC1054 and Barley Proteins Identify Candidate Host Targets. Journal of Proteome Research, 2016, 15, 826-839.	3.7	85
5	Evolution of the EKA family of powdery mildew avirulence-effector genes from the ORF 1 of a LINE retrotransposon. BMC Genomics, 2015, 16, 917.	2.8	33
6	Broadly Conserved Fungal Effector BEC1019 Suppresses Host Cell Death and Enhances Pathogen Virulence in Powdery Mildew of Barley (Hordeum vulgare L.) (Retracted). Molecular Plant-Microbe Interactions, 2015, 28, 968-983.	2.6	33
7	Plant Proteomics in Crop Improvement. Proteomics, 2013, 13, 1771-1771.	2.2	5
8	A decade of plant proteomics and mass spectrometry: Translation of technical advancements to food security and safety issues. Mass Spectrometry Reviews, 2013, 32, 335-365.	5.4	70
9	Host-Induced Gene Silencing in Barley Powdery Mildew Reveals a Class of Ribonuclease-Like Effectors. Molecular Plant-Microbe Interactions, 2013, 26, 633-642.	2.6	190
10	Hydroponic Isotope Labeling of Entire Plants and High-Performance Mass Spectrometry for Quantitative Plant Proteomics. Methods in Molecular Biology, 2012, 893, 155-173.	0.9	3
11	Translational plant proteomics: A perspective. Journal of Proteomics, 2012, 75, 4588-4601.	2.4	63
12	Structure and evolution of barley powdery mildew effector candidates. BMC Genomics, 2012, 13, 694.	2.8	238
13	Transcriptional changes related to secondary wall formation in xylem of transgenic lines of tobacco altered for lignin or xylan content which show improved saccharification. Phytochemistry, 2012, 74, 79-89.	2.9	17
14	Proteogenomics and in silico structural and functional annotation of the barley powdery mildew Blumeria graminis f. sp. hordei. Methods, 2011, 54, 432-441.	3.8	57
15	Quantitative plant proteomics. Proteomics, 2011, 11, 756-775.	2.2	70
16	Fully automated software solution for protein quantitation by global metabolic labeling with stable isotopes. Rapid Communications in Mass Spectrometry, 2011, 25, 1461-1471.	1.5	11
17	Quantitative Plant Proteomics Using Hydroponic Isotope Labeling of Entire Plants (HILEP). , 2011, , 363-380.		0
18	Genome Expansion and Gene Loss in Powdery Mildew Fungi Reveal Tradeoffs in Extreme Parasitism. Science, 2010, 330, 1543-1546.	12.6	725

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19	In Planta Proteomics and Proteogenomics of the Biotrophic Barley Fungal Pathogen Blumeria graminis f. sp. hordei>. Molecular and Cellular Proteomics, 2009, 8, 2368-2381.	3.8	75
20	The cell wall and secretory proteome of a tobacco cell line synthesising secondary wall. Proteomics, 2009, 9, 2355-2372.	2.2	37
21	Combinatorial peptide ligand libraries and plant proteomics: A winning strategy at a price. Journal of Chromatography A, 2009, 1216, 1215-1222.	3.7	59
22	Hydroponic isotope labelling of entire plants (HILEP) for quantitative plant proteomics; an oxidative stress case study. Phytochemistry, 2008, 69, 1962-1972.	2.9	103
23	Heat-Shock Response in Arabidopsis thaliana Explored by Multiplexed Quantitative Proteomics Using Differential Metabolic Labeling. Journal of Proteome Research, 2008, 7, 780-785.	3.7	66
24	Modification of hemicellulose content by antisense down-regulation of UDP-glucuronate decarboxylase in tobacco and its consequences for cellulose extractability. Phytochemistry, 2007, 68, 2635-2648.	2.9	41
25	Chromatographic alignment of LC-MS and LC-MS/MS datasets by genetic algorithm feature extraction. Journal of the American Society for Mass Spectrometry, 2007, 18, 1835-1843.	2.8	42
26	Quantitative proteomics using uniform ¹⁵Nâ€labeling, MASCOT, and the transâ€proteomic pipeline. Proteomics, 2007, 7, 3462-3469.	2.2	41
27	Quantitative proteomics of Arabidopsis plants submitted to oxidative stress. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 146, S256-S257.	1.8	0
28	Production of reactive oxygen species in Arabidopsis thaliana cell suspension cultures in response to an elicitor from Fusarium oxysporum: implications for basal resistance. Journal of Experimental Botany, 2006, 57, 1817-1827.	4.8	87
29	A two component chitin-binding protein from French bean - association of a proline-rich protein with a cysteine-rich polypeptide. FEBS Letters, 2006, 580, 1541-1546.	2.8	40
30	Automatic internal calibration in liquid chromatography/Fourier transform ion cyclotron resonance mass spectrometry of protein digests. Rapid Communications in Mass Spectrometry, 2006, 20, 3076-3080.	1.5	16
31	Peroxidase-dependent apoplastic oxidative burst in Arabidopsis required for pathogen resistance. Plant Journal, 2006, 47, 851-863.	5.7	520
32	Characterisation and expression of the pathway from UDP-glucose to UDP-xylose in differentiating tobacco tissue. Plant Molecular Biology, 2005, 57, 285-301.	3.9	32
33	Deletion of the SNP1 trypsin protease from Stagonospora nodorum reveals another major protease expressed during infection. Fungal Genetics and Biology, 2003, 38, 43-53.	2.1	27
34	The apoplastic oxidative burst in response to biotic stress in plants: a threeâ€component system. Journal of Experimental Botany, 2002, 53, 1367-1376.	4.8	484
35	The apoplastic oxidative burst in response to biotic stress in plants: a three-component system. Journal of Experimental Botany, 2002, 53, 1367-1376.	4.8	342
36	The apoplastic oxidative burst in response to biotic stress in plants: a three-component system. Journal of Experimental Botany, 2002, 53, 1367-76.	4.8	284

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37	Early signalling events in the apoplastic oxidative burst in suspension cultured French bean cells involve cAMP and Ca 2+. New Phytologist, 2001, 151, 185-194.	7.3	142
38	Characterization of SNP1, a Cell Wall-Degrading Trypsin, Produced During Infection by Stagonospora nodorum. Molecular Plant-Microbe Interactions, 2000, 13, 538-550.	2.6	71
39	Structure, expression and localization of a germin-like protein in barley (Hordeum vulgare L.) that is insolubilized in stressed leaves. Plant Molecular Biology, 1998, 37, 297-308.	3.9	83
40	Heat-induced resistance in barley to powdery mildew (Blumeria graminisf.sp.hordei) is associated with a burst of active oxygen species. Physiological and Molecular Plant Pathology, 1998, 52, 185-199.	2.5	70
41	Salicylic Acid Accumulation in Barley Is Pathogen Specific but Not Required for Defense-Gene Activation. Molecular Plant-Microbe Interactions, 1998, 11, 702-705.	2.6	69
42	Heat-induced resistance in barley to the powdery mildew fungus Erysiphe graminis f.sp. hordei. Physiological and Molecular Plant Pathology, 1995, 47, 51-66.	2.5	43