Jenny Renaut

List of Publications by Year
in descending order

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176 papers	8,205 citations	50276 46 h-index	58581 82 g-index
183 all docs	183 docs citations	183 times ranked	9881 citing authors

#	Article	IF	Citations
1	Plant proteome changes under abiotic stress â€" Contribution of proteomics studies to understanding plant stress response. Journal of Proteomics, 2011, 74, 1301-1322.	2.4	700
2	Insights into the molecular regulation of monolignol-derived product biosynthesis in the growing hemp hypocotyl. BMC Plant Biology, 2018, 18, 1.	3.6	368
3	Gradual Soil Water Depletion Results in Reversible Changes of Gene Expression, Protein Profiles, Ecophysiology, and Growth Performance in Populus euphratica, a Poplar Growing in Arid Regions. Plant Physiology, 2007, 143, 876-892.	4.8	338
4	Comparative proteomic study of arsenicâ€induced differentially expressed proteins in rice roots reveals glutathione plays a central role during As stress. Proteomics, 2008, 8, 3561-3576.	2.2	243
5	Plant Abiotic Stress Proteomics: The Major Factors Determining Alterations in Cellular Proteome. Frontiers in Plant Science, 2018, 9, 122.	3.6	240
6	Recent developments in the application of proteomics to the analysis of plant responses to heavy metals. Proteomics, 2009, 9, 2602-2621.	2.2	215
7	Quantitative changes in protein expression of cadmiumâ€exposed poplar plants. Proteomics, 2008, 8, 2514-2530.	2.2	200
8	Proteome analysis of nonâ€model plants: A challenging but powerful approach. Mass Spectrometry Reviews, 2008, 27, 354-377.	5.4	180
9	Proteomics and low-temperature studies: bridging the gap between gene expression and metabolism. Physiologia Plantarum, 2006, 126, 97-109.	5.2	155
10	Responses of Poplar to Chilling Temperatures: Proteomic and Physiological Aspects. Plant Biology, 2004, 6, 81-90.	3.8	151
11	Gel-Based and Gel-Free Quantitative Proteomics Approaches at a Glance. International Journal of Plant Genomics, 2012, 2012, 1-17.	2.2	148
12	Animal board invited review: advances in proteomics for animal and food sciences. Animal, 2015, 9, 1-17.	3.3	143
13	Combining Proteomics and Metabolite Analyses To Unravel Cadmium Stress-Response in Poplar Leaves. Journal of Proteome Research, 2009, 8, 400-417.	3.7	142
14	Proteomic and enzymatic response of poplar to cadmium stress. Journal of Proteomics, 2009, 72, 379-396.	2.4	121
15	Salicylic acid is an indispensable component of the Ny-1 resistance-gene-mediated response against Potato virus Y infection in potato. Journal of Experimental Botany, 2014, 65, 1095-1109.	4.8	117
16	A comparative proteomic analysis of tomato leaves in response to waterlogging stress. Physiologia Plantarum, 2007, 131, 555-570.	5.2	116
17	Proteomics research on forest trees, the most recalcitrant and orphan plant species. Phytochemistry, 2011, 72, 1219-1242.	2.9	108
18	A DIGE analysis of developing poplar leaves subjected to ozone reveals major changes in carbon metabolism. Proteomics, 2007, 7, 1584-1599.	2.2	104

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19	Proteome Analysis of Cold Response in Spring and Winter Wheat (Triticum aestivum) Crowns Reveals Similarities in Stress Adaptation and Differences in Regulatory Processes between the Growth Habits. Journal of Proteome Research, 2013, 12, 4830-4845.	3.7	102
20	Quantitative proteomic analysis of short photoperiod and low-temperature responses in bark tissues of peach (Prunus persica L. Batsch). Tree Genetics and Genomes, 2008, 4, 589-600.	1.6	101
21	Effects of silver nanoparticles and ions on a co-culture model for the gastrointestinal epithelium. Particle and Fibre Toxicology, 2015, 13, 9.	6.2	99
22	A biomolecular isolation framework for eco-systems biology. ISME Journal, 2013, 7, 110-121.	9.8	97
23	Effects of the Endocrine Disruptors Atrazine and PCB 153 on the Protein Expression of MCF-7 Human Cells. Journal of Proteome Research, 2009, 8, 5485-5496.	3.7	94
24	Acute metal stress in Populus tremulaÃ—P. alba (717â€1B4 genotype): Leaf and cambial proteome changes induced by cadmium²⁺. Proteomics, 2010, 10, 349-368.	2.2	94
25	Differential regulation of two dehydrin genes from peach (Prunus persica) by photoperiod, low temperature and water deficit. Tree Physiology, 2006, 26, 575-584.	3.1	92
26	Proteomics of life at low temperatures: trigger factor is the primary chaperone in the Antarctic bacterium Pseudoalteromonas haloplanktis TAC125. Molecular Microbiology, 2010, 76, 120-132.	2.5	91
27	Towards a synthetic view of potato cold and salt stress response by transcriptomic and proteomic analyses. Plant Molecular Biology, 2012, 78, 503-514.	3.9	86
28	Biochemical and physiological mechanisms related to cold acclimation and enhanced freezing tolerance in poplar plantlets. Physiologia Plantarum, 2005, 125, 82-94.	5.2	79
29	Differential cadmium and zinc distribution in relation to their physiological impact in the leaves of the accumulating <scp>Z</scp>ygophyllum fabagoâ€¦<scp>L</scp>.. Plant, Cell and Environment, 2014, 37, 1299-1320.	5.7	75
30	Analysis of proteome and frost tolerance in chromosome 5A and 5B reciprocal substitution lines between two winter wheats during longâ€term cold acclimation. Proteomics, 2012, 12, 68-85.	2.2	71
31	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
32	The quest for tolerant varieties: the importance of integrating â€œomicsâ€•techniques to phenotyping. Frontiers in Plant Science, 2015, 6, 448.	3.6	67
33	Plant Extracellular Vesicles and Nanovesicles: Focus on Secondary Metabolites, Proteins and Lipids with Perspectives on Their Potential and Sources. International Journal of Molecular Sciences, 2021, 22, 3719.	4.1	67
34	Gene expression in potato during cold exposure: Changes in carbohydrate and polyamine metabolisms. Plant Science, 2008, 175, 839-852.	3.6	64
35	The impact of atmospheric composition on plants: A case study of ozone and poplar. Mass Spectrometry Reviews, 2009, 28, 495-516.	5.4	64
36	Translational plant proteomics: A perspective. Journal of Proteomics, 2012, 75, 4588-4601.	2.4	63

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37	Global Analysis of Genes Regulated by Low Temperature and Photoperiod in Peach Bark. Journal of the American Society for Horticultural Science, 2006, 131, 551-563.	1.0	59
38	Embryo-specific Proteins in Cyclamen persicum Analyzed with 2-D DIGE. Journal of Plant Growth Regulation, 2008, 27, 353-369.	5.1	56
39	Does long-term cadmium exposure influence the composition of pectic polysaccharides in the cell wall of Medicago sativa stems?. BMC Plant Biology, 2019, 19, 271.	3.6	56
40	Longâ€term cadmium exposure influences the abundance of proteins that impact the cell wall structure in Medicago sativa stems. Plant Biology, 2018, 20, 1023-1035.	3.8	54
41	Quantitative analysis of proteome extracted from barley crowns grown under different drought conditions. Frontiers in Plant Science, 2015, 6, 479.	3.6	53
42	Human Muscle Proteome Modifications after Acute or Repeated Eccentric Exercises. Medicine and Science in Sports and Exercise, 2011, 43, 2281-2296.	0.4	52
43	Proteomic analysis of plasma samples from patients with acute myocardial infarction identifies haptoglobin as a potential prognostic biomarker. Journal of Proteomics, 2011, 75, 229-236.	2.4	50
44	Exposure of Lycopersicon Esculentum to Microcystin-LR: Effects in the Leaf Proteome and Toxin Translocation from Water to Leaves and Fruits. Toxins, 2014, 6, 1837-1854.	3.4	50
45	One dry summer: A leaf proteome study on the response of oak to drought exposure. Journal of Proteomics, 2011, 74, 1385-1395.	2.4	49
46	The membrane proteome of Medicago truncatula roots displays qualitative and quantitative changes in response to arbuscular mycorrhizal symbiosis. Journal of Proteomics, 2014, 108, 354-368.	2.4	49
47	Exploring chloroplastic changes related to chilling and freezing tolerance during cold acclimation of pea (Pisum sativum L.). Journal of Proteomics, 2013, 80, 145-159.	2.4	48
48	Potato (Solanum tuberosum L.) tuber ageing induces changes in the proteome and antioxidants associated with the sprouting pattern. Journal of Experimental Botany, 2009, 60, 1273-1288.	4.8	47
49	Poplar under drought: Comparison of leaf and cambial proteomic responses. Journal of Proteomics, 2011, 74, 1396-1410.	2.4	46
50	Changes in sugar content and proteome of potato in response to cold and dehydration stress and their implications for cryopreservation. Journal of Proteomics, 2014, 98, 99-111.	2.4	46
51	Proteomic analysis of apoplastic fluid of Coffea arabica leaves highlights novel biomarkers for resistance against Hemileia vastatrix. Frontiers in Plant Science, 2015, 6, 478.	3.6	46
52	The old 3-oxoadipate pathway revisited: New insights in the catabolism of aromatics in the saprophytic fungus Aspergillus nidulans. Fungal Genetics and Biology, 2015, 74, 32-44.	2.1	45
53	The Proapoptotic C16-ceramide-Dependent Pathway Requires the Death-Promoting Factor Btf in Colon Adenocarcinoma Cells. Journal of Proteome Research, 2009, 8, 4810-4822.	3.7	43
54	Unravelling the effect of sucrose and cold pretreatment on cryopreservation of potato through sugar analysis and proteomics. Cryobiology, 2015, 71, 432-441.	0.7	43

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55	A proteomics study of colostrum and milk from the two major small ruminant dairy breeds from the Canary Islands: a bovine milk comparison perspective. Journal of Dairy Research, 2016, 83, 366-374.	1.4	42
56	Identification of Differentially Expressed Proteins in Curcumin-Treated Prostate Cancer Cell Lines. OMICS A Journal of Integrative Biology, 2012, 16, 289-300.	2.0	41
57	Integrated proteomics and metabolomics to unlock global and clonal responses of Eucalyptus globulus recovery from water deficit. Metabolomics, 2016, 12, 1.	3.0	41
58	Changes in the Proteome of Medicago sativa Leaves in Response to Long-Term Cadmium Exposure Using a Cell-Wall Targeted Approach. International Journal of Molecular Sciences, 2018, 19, 2498.	4.1	41
59	Proteomic changes in leaves of poplar exposed to both cadmium and low-temperature. Environmental and Experimental Botany, 2014, 106, 112-123.	4.2	40
60	Effect of temperature on the pathogenesis, accumulation of viral and satellite RNAs and on plant proteome in peanut stunt virus and satellite RNA-infected plants. Frontiers in Plant Science, 2015, 6, 903.	3.6	40
61	Molecular insights into plant desiccation tolerance: transcriptomics, proteomics and targeted metabolite profiling in Craterostigma plantagineum. Plant Journal, 2021, 107, 377-398.	5.7	40
62	Proteomic evaluation of woundâ€healing processes in potato (Solanum tuberosum L.) tuber tissue. Proteomics, 2009, 9, 4154-4175.	2.2	39
63	Differential Protein Expression in Response to Abiotic Stress in Two Potato Species: Solanum commersonii Dun and Solanum tuberosum L.. International Journal of Molecular Sciences, 2013, 14, 4912-4933.	4.1	39
64	Proteomic changes in rat hippocampus and adrenals following short-term sleep deprivation. Proteome Science, 2008, 6, 14.	1.7	38
65	Characterization of maize allergens â€" MON810 vs. its non-transgenic counterpart. Journal of Proteomics, 2012, 75, 2027-2037.	2.4	38
66	Physiological and proteomic changes suggest an important role of cell walls in the high tolerance to metals of Elodea nuttallii. Journal of Hazardous Materials, 2013, 263, 575-583.	12.4	37
67	Pathogenic Leptospires Modulate Protein Expression and Post-translational Modifications in Response to Mammalian Host Signals. Frontiers in Cellular and Infection Microbiology, 2017, 7, 362.	3.9	36
68	Alteration of plasma membrane-bound redox systems of iron deficient pea roots by chitosan. Journal of Proteomics, 2011, 74, 1437-1449.	2.4	35
69	Proteins associated with cork formation in Quercus suber L. stem tissues. Journal of Proteomics, 2011, 74, 1266-1278.	2.4	35
70	Comparative proteomic analysis of Salmonella tolerance to the biocide active agent triclosan. Journal of Proteomics, 2012, 75, 4505-4519.	2.4	35
71	Optimization of iTRAQ labelling coupled to OFFGEL fractionation as a proteomic workflow to the analysis of microsomal proteins of Medicago truncatula roots. Proteome Science, 2012, 10, 37.	1.7	34
72	Proteomic changes associated with freezeâ€thaw injury and postâ€thaw recovery in onion (Allium) Tj ETQq0 0 0 rgBT /Overlock 10 T	5.7	34

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73	The use of 2D-electrophoresis and de novo sequencing to characterize inter- and intra-cultivar protein polymorphisms in an allopolyploid crop. Phytochemistry, 2011, 72, 1243-1250.	2.9	33
74	An improved protocol to study the plant cell wall proteome. Frontiers in Plant Science, 2015, 6, 237.	3.6	33
75	Time to articulate a vision for the future of plant proteomics â€“ A global perspective: An initiative for establishing the International Plant Proteomics Organization (INPPO). Proteomics, 2011, 11, 1559-1568.	2.2	31
76	Protein actors sustaining arbuscular mycorrhizal symbiosis: underground artists break the silence. New Phytologist, 2013, 199, 26-40.	7.3	31
77	A proteome analysis of freezing tolerance in red clover (Trifolium pratense L.). BMC Plant Biology, 2016, 16, 65.	3.6	31
78	Differential impact of chronic ozone exposure on expanding and fully expanded poplar leaves. Tree Physiology, 2010, 30, 1415-1432.	3.1	30
79	The response of Mucor plumbeus to pentachlorophenol: A toxicoproteomics study. Journal of Proteomics, 2013, 78, 159-171.	2.4	28
80	A physiological and proteomic study of poplar leaves during ozone exposure combined with mild drought. Proteomics, 2013, 13, 1737-1754.	2.2	27
81	Elucidating how the saprophytic fungus Aspergillus nidulans uses the plant polyester suberin as carbon source. BMC Genomics, 2014, 15, 613.	2.8	27
82	Effect of greenhouse conditions on the leaf apoplastic proteome of Coffea arabica plants. Journal of Proteomics, 2014, 104, 128-139.	2.4	26
83	Identification of Metabolic Pathways Expressed by Pichia anomala Kh6 in the Presence of the Pathogen Botrytis cinerea on Apple: New Possible Targets for Biocontrol Improvement. PLoS ONE, 2014, 9, e91434.	2.5	25
84	Plant Biotic Stress and Proteomics. Current Proteomics, 2010, 7, 275-297.	0.3	24
85	Hexabromocyclododecane (HBCD) induced changes in the liver proteome of eu- and hypothyroid female rats. Toxicology Letters, 2016, 245, 40-51.	0.8	24
86	Atrazine and PCB 153 and their effects on the proteome of subcellular fractions of human MCF-7 cells. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 833-841.	2.3	23
87	Proteomic and phenotypic analysis of triclosan tolerant verocytotoxigenic Escherichia coli O157:H19. Journal of Proteomics, 2013, 80, 78-90.	2.4	23
88	Investigating Aspergillus nidulans secretome during colonisation of cork cell walls. Journal of Proteomics, 2014, 98, 175-188.	2.4	23
89	Combining -Omics to Unravel the Impact of Copper Nutrition on Alfalfa (Medicago sativa) Stem Metabolism. Plant and Cell Physiology, 2016, 57, 407-422.	3.1	23
90	A Cell Wall Proteome and Targeted Cell Wall Analyses Provide Novel Information on Hemicellulose Metabolism in Flax. Molecular and Cellular Proteomics, 2017, 16, 1634-1651.	3.8	23

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91	Identification of chickpea seed proteins resistant to simulated in vitro human digestion. Journal of Proteomics, 2017, 169, 143-152.	2.4	23
92	Two Traditional Maize Inbred Lines of Contrasting Technological Abilities Are Discriminated by the Seed Flour Proteome. Journal of Proteome Research, 2013, 12, 3152-3165.	3.7	22
93	Physiological and Proteomic Responses of Different Willow Clones (Salix fragilisXalba) Exposed to Dredged Sediment Contaminated by Heavy Metals. International Journal of Phytoremediation, 2014, 16, 1148-1169.	3.1	22
94	Carotenoid exposure of Caco-2 intestinal epithelial cells did not affect selected inflammatory markers but altered their proteomic response. British Journal of Nutrition, 2012, 108, 963-973.	2.3	21
95	Proteomic alterations induced by ionic liquids in Aspergillus nidulans and Neurospora crassa. Journal of Proteomics, 2013, 94, 262-278.	2.4	21
96	How can plant virus satellite RNAs alter the effects of plant virus infection? A study of the changes in the Nicotiana benthamiana proteome after infection by Peanut stunt virus in the presence or absence of its satellite RNA. Proteomics, 2013, 13, 2162-2175.	2.2	21
97	The Goat (Capra hircus) Mammary Gland Mitochondrial Proteome: A Study on the Effect of Weight Loss Using Blue-Native PAGE and Two-Dimensional Gel Electrophoresis. PLoS ONE, 2016, 11, e0151599.	2.5	21
98	A Difference Gel Electrophoresis Study on Thylakoids Isolated from Poplar Leaves Reveals a Negative Impact of Ozone Exposure on Membrane Proteins. Journal of Proteome Research, 2011, 10, 3003-3011.	3.7	20
99	Comparative analysis of Salmonella susceptibility and tolerance to the biocide chlorhexidine identifies a complex cellular defense network. Frontiers in Microbiology, 2014, 5, 373.	3.5	20
100	A multiple-level study of metal tolerance in Salix fragilis and Salix aurita clones. Journal of Proteomics, 2014, 101, 113-129.	2.4	20
101	Lettuce (Lactuca sativa L.) leaf-proteome profiles after exposure to cylindrospermopsin and a microcystin-LR/cylindrospermopsin mixture: A concentration-dependent response. Phytochemistry, 2015, 110, 91-103.	2.9	20
102	Differential Proteomic Analysis of Lactic Acid Bacteriaâ€"Escherichia coli O157:H7 Interaction and Its Contribution to Bioprotection Strategies in Meat. Frontiers in Microbiology, 2018, 9, 1083.	3.5	20
103	Proteomic analysis of the cortisolâ€mediated stress response in THPâ€1 monocytes using DIGE technology. Journal of Mass Spectrometry, 2007, 42, 1433-1444.	1.6	18
104	Environmental stress is the major cause of transcriptomic and proteomic changes in GM and non-GM plants. Scientific Reports, 2017, 7, 10624.	3.3	18
105	Genetical genomics of quality related traits in potato tubers using proteomics. BMC Plant Biology, 2018, 18, 20.	3.6	18
106	An apoplastic fluid extraction method for the characterization of grapevine leaves proteome and metabolome from a single sample. Physiologia Plantarum, 2021, 171, 343-357.	5.2	18
107	From Tolerance to Acute Metabolic Deregulation: Contribution of Proteomics To Dig into the Molecular Response of Alder Species under a Polymetallic Exposure. Journal of Proteome Research, 2013, 12, 5160-5179.	3.7	17
108	Plant Proteoforms Under Environmental Stress: Functional Proteins Arising From a Single Gene. Frontiers in Plant Science, 2021, 12, 793113.	3.6	17

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109	Taking Advantage of Nonspecific Trypsin Cleavages for the Identification of Seed Storage Proteins in Cereals. Journal of Proteome Research, 2009, 8, 3182-3190.	3.7	16
110	Potential Therapeutic Target Discovery by 2D-DIGE Proteomic Analysis in Mouse Models of Asthma. Journal of Proteome Research, 2011, 10, 4291-4301.	3.7	16
111	Specialisation events of fungal metacommunities exposed to a persistent organic pollutant are suggestive of augmented pathogenic potential. Microbiome, 2018, 6, 208.	11.1	16
112	The Dynamics of the Cell Wall Proteome of Developing Alfalfa Stems. Biology, 2019, 8, 60.	2.8	16
113	Screening for changes in leaf and cambial proteome of Populus tremulaÃ—P. alba under different heat constraints. Journal of Plant Physiology, 2012, 169, 1698-1718.	3.5	15
114	2<scp>D</scp> difference gel electrophoresis reference map of a <scp>F</scp>usarium graminearum nivalenol producing strain. Electrophoresis, 2013, 34, 505-509.	2.4	15
115	Physiological and proteome study of sunflowers exposed to a polymetallic constraint. Proteomics, 2013, 13, 1993-2015.	2.2	15
116	Changes in the proteome and water state in bark and xylem of Hydrangea paniculata during loss of freezing tolerance. Environmental and Experimental Botany, 2014, 106, 99-111.	4.2	15
117	Comparative proteomic analysis of lung tissue from guinea pigs with leptospiral pulmonary haemorrhage syndrome (LPHS) reveals a decrease in abundance of host proteins involved in cytoskeletal and cellular organization. Journal of Proteomics, 2015, 122, 55-72.	2.4	15
118	Salinity effect on germination, seedling growth and cotyledon membrane complexes of a Portuguese salt marsh wild beet ecotype. Theoretical and Experimental Plant Physiology, 2018, 30, 113-127.	2.4	14
119	Long-Term Cd Exposure Alters the Metabolite Profile in Stem Tissue of Medicago sativa. Cells, 2020, 9, 2707.	4.1	14
120	Physiological response and differential leaf proteome pattern in the European invasive Asteraceae Solidago canadensis colonizing a former cokery soil. Journal of Proteomics, 2012, 75, 1129-1143.	2.4	13
121	The Proteome Response to Amyloid Protein Expression In Vivo. PLoS ONE, 2012, 7, e50123.	2.5	12
122	Stuck at work? Quantitative proteomics of environmental wine yeast strains reveals the natural mechanism of overcoming stuck fermentation. Proteomics, 2016, 16, 593-608.	2.2	12
123	2D-DIGE in Proteomics. Methods in Molecular Biology, 2017, 1654, 245-254.	0.9	12
124	Distribution of cell-wall polysaccharides and proteins during growth of the hemp hypocotyl. Planta, 2019, 250, 1539-1556.	3.2	12
125	Maize IgE binding proteins: each plant a different profile?. Proteome Science, 2014, 12, 17.	1.7	11
126	Gender specific differences in the liver proteome of rats exposed to short term and low-concentration hexabromocyclododecane (HBCD). Toxicology Research, 2016, 5, 1273-1283.	2.1	11

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127	Proteome response of dental pulp cells to exogenous FGF8. Journal of Proteomics, 2018, 183, 14-24.	2.4	11
128	Impact of heat treatment on the acid induced gelation of brewersâ€™ spent grain protein isolate. Food Hydrocolloids, 2021, 113, 106531.	10.7	11
129	Boosting the Globalization of Plant Proteomics through INPPO: Current Developments and Future Prospects. Proteomics, 2012, 12, 359-368.	2.2	10
130	Ups and downs in alfalfa: Proteomic and metabolic changes occurring in the growing stem. Plant Science, 2015, 238, 13-25.	3.6	10
131	Phellem Cell-Wall Components Are Discriminants of Cork Quality in Quercus suber. Frontiers in Plant Science, 2019, 10, 944.	3.6	10
132	Primary Metabolism Is Distinctly Modulated by Plant Resistance Inducers in Coffea arabica Leaves Infected by Hemileia vastatrix. Frontiers in Plant Science, 2020, 11, 309.	3.6	10
133	In vitro culture may be the major contributing factor for transgenic versus nontransgenic proteomic plant differences. Proteomics, 2015, 15, 124-134.	2.2	9
134	Proteomic response of inflammatory stimulated intestinal epithelial cells to in vitro digested plums and cabbages rich in carotenoids and polyphenols. Food and Function, 2016, 7, 4388-4399.	4.6	9
135	Physiological and proteomic response of Escherichia coli O157:H7 to a bioprotective lactic acid bacterium in a meat environment. Food Research International, 2019, 125, 108622.	6.2	9
136	The muscular, hepatic and adipose tissues proteomes in muskox (Ovibos moschatus): Differences between males and females. Journal of Proteomics, 2019, 208, 103480.	2.4	9
137	Insights into Lignan Composition and Biosynthesis in Stinging Nettle (Urtica dioica L.). Molecules, 2019, 24, 3863.	3.8	9
138	Diagonal two-dimensional electrophoresis (D-2DE): a new approach to study the effect of osmotic stress induced by polyethylene glycol in durum wheat (Triticum durum Desf.). Molecular Biology Reports, 2016, 43, 897-909.	2.3	8
139	A Fusarium graminearum strain-comparative proteomic approach identifies regulatory changes triggered by agmatine. Journal of Proteomics, 2016, 137, 107-116.	2.4	8
140	Proteomic responses of carotenoid and retinol administration to Mongolian gerbils. Food and Function, 2018, 9, 3835-3844.	4.6	8
141	Stress response of lettuce (Lactuca sativa) to environmental contamination with selected pharmaceuticals: A proteomic study. Journal of Proteomics, 2021, 245, 104291.	2.4	8
142	Molecular investigation of Tuscan sweet cherries sampled over three years: gene expression analysis coupled to metabolomics and proteomics. Horticulture Research, 2021, 8, 12.	6.3	8
143	Identification of proteins from potato leaves submitted to chilling temperature.. , 2009, , 279-292.		8
144	Identification of Novel Candidate Genes Involved in Apple Cuticle Integrity and Russeting-Associated Triterpene Synthesis Using Metabolomic, Proteomic, and Transcriptomic Data. Plants, 2022, 11, 289.	3.5	8

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145	Plant proteomics in India and Nepal: current status and challenges ahead. Physiology and Molecular Biology of Plants, 2013, 19, 461-477.	3.1	7
146	Description of the mechanisms underlying geosmin production in Penicillium expansum using proteomics. Journal of Proteomics, 2014, 96, 13-28.	2.4	7
147	Didehydrophenylalanine, an abundant modification in the beta subunit of plant polygalacturonases. PLoS ONE, 2017, 12, e0171990.	2.5	7
148	The effects of improving low dietary protein utilization on the proteome of lamb tissues. Journal of Proteomics, 2020, 223, 103798.	2.4	7
149	Expression Analysis of Cell Wall-Related Genes in the Plant Pathogenic Fungus Drechslera teres. Genes, 2020, 11, 300.	2.4	7
150	Proteomic Studies of Roots in Hypoxia-Sensitive and -Tolerant Tomato Accessions Reveal Candidate Proteins Associated with Stress Priming. Cells, 2022, 11, 500.	4.1	6
151	Leaf necrosis resulting from downregulation of poplar glycosyltransferaseUGT72A2. Tree Physiology, 2022, 42, 1084-1099.	3.1	6
152	Proteomic Insights on the Metabolism of Penicillium janczewskii during the Biotransformation of the Plant Terpenoid Labdanolic Acid. Frontiers in Bioengineering and Biotechnology, 2017, 5, 45.	4.1	5
153	Proteomic analysis of salt-responsive proteins in the leaves of two contrasting Tunisian barley landraces. Plant Growth Regulation, 2021, 95, 65-82.	3.4	5
154	Gene expression and metabolite analysis in barley inoculated with net blotch fungus and plant growth-promoting rhizobacteria. Plant Physiology and Biochemistry, 2021, 168, 488-500.	5.8	5
155	Toxin Induction and Protein Extraction from Fusarium spp. Cultures for Proteomic Studies. Journal of Visualized Experiments, 2010, , .	0.3	4
156	Continuous thrombin infusion leads to a bleeding phenotype in sheep. Thrombosis Research, 2012, 130, 226-236.	1.7	4
157	The Cell Wall Proteome of Craterostigma plantagineum Cell Cultures Habituated to Dichlobenil and Isoxaben. Cells, 2021, 10, 2295.	4.1	4
158	USING BIOTECHNOLOGY TO IMPROVE RESISTANCE TO ENVIRONMENTAL STRESS IN FRUIT CROPS: THE IMPORTANCE OF UNDERSTANDING PHYSIOLOGY. Acta Horticulturae, 2007, , 145-156.	0.2	3
159	The Resistance of Oilseed Rape Microspore-Derived Embryos to Osmotic Stress Is Associated With the Accumulation of Energy Metabolism Proteins, Redox Homeostasis, Higher Abscisic Acid, and Cytokinin Contents. Frontiers in Plant Science, 2021, 12, 628167.	3.6	3
160	Plant proteomics in Europe â€" COST action FA0603. Journal of Proteomics, 2011, 74, 1161-1164.	2.4	2
161	Proteomics as a Toolbox to Study the Metabolic Adjustment of Trees During Exposure to Metal Trace Elements. , 2012, , 143-164.		2
162	A 2-D guinea pig lung proteome map. Data in Brief, 2015, 4, 140-145.	1.0	2

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163	Dataset of liver proteins of eu- and hypothyroid rats affected in abundance by any of three factors: in vivo exposure to hexabromocyclododecane (HBCD), thyroid status, gender differences. Data in Brief, 2016, 8, 1344-1347.	1.0	2
164	Dataset of protein changes induced by cold acclimation in red clover (Trifolium pratense L.) populations recurrently selected for improved freezing tolerance. Data in Brief, 2016, 8, 570-574.	1.0	2
165	Membrane-enriched proteome changes and prion protein expression during neural differentiation and in neuroblastoma cells. BMC Genomics, 2017, 18, 319.	2.8	2
166	Cryopreservation and abiotic stress tolerance in potato: a proteomic approach. Communications in Agricultural and Applied Biological Sciences, 2005, 70, 83-6.	0.0	2
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