

# Paul A Haynes

## List of Publications by Year in Descending Order

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**Version:** 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

158  
papers

7,473  
citations

46  
h-index

83  
g-index

178  
ext. papers

8,313  
ext. citations

5  
avg, IF

5.64  
L-index

#	Paper	IF	Citations
158	Development of a novel minimally invasive sampling and analysis technique using skin sampling tape strips for bioarchaeological proteomics. <i>Journal of Archaeological Science</i> , <b>2022</b> , 139, 105548	2.9	0
157	Multiple Abiotic Stresses Applied Simultaneously Elicit Distinct Responses in Two Contrasting Rice Cultivars.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	2
156	Comparative Pistacia vera leaf proteomics in response to herbivory of the common pistachio psylla ( <i>Agonoscaena pistaciae</i> ). <i>Arthropod-Plant Interactions</i> , <b>2022</b> , 16, 215-226	2.2	1
155	Comparative Analysis of Aducanumab, Zagotenemab and Pioglitazone as Targeted Treatment Strategies for Alzheimer's Disease <b>2021</b> , 12, 1964-1976		8
154	Proteomics study reveals the molecular mechanisms underlying cryotolerance induced by mild sublethal stress in human sperm. <i>Cell and Tissue Research</i> , <b>2021</b> , 1	4.2	1
153	Pollen development in cotton ( <i>Gossypium hirsutum</i> ) is highly sensitive to heat exposure during the tetrad stage. <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 2150-2166	8.4	6
152	Mouse model of Alzheimer's disease demonstrates differential effects of early disease pathology on various brain regions. <i>Proteomics</i> , <b>2021</b> , 21, e2000213	4.8	1
151	Mitochondrial dysfunction in Alzheimer's disease - a proteomics perspective. <i>Expert Review of Proteomics</i> , <b>2021</b> , 18, 295-304	4.2	7
150	Quantitative proteomics analysis of high and low polyphenol expressing recombinant inbred lines (RILs) of peanut ( <i>Arachis hypogaea</i> L.). <i>Food Chemistry</i> , <b>2021</b> , 334, 127517	8.5	2
149	Comparison of protein and peptide fractionation approaches in protein identification and quantification from <i>Saccharomyces cerevisiae</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2021</b> , 1162, 122453	3.2	0
148	PeptideMind [Applying machine learning algorithms to assess replicate quality in shotgun proteomic data. <i>SoftwareX</i> , <b>2021</b> , 13, 100644	2.7	
147	The phosphoproteome of rice leaves responds to water and nitrogen supply. <i>Molecular Omics</i> , <b>2021</b> , 17, 706-718	4.4	1
146	A Proteomic View of Cellular and Molecular Effects of Cannabis. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	2
145	Comparative Leaf Proteomics of Brassica napus Genotypes with Distinctive Levels of Early Cold Acclimation. <i>Plant Molecular Biology Reporter</i> , <b>2020</b> , 39, 317	1.7	1
144	Proteomic Responses to Drought Vary Widely Among Eight Diverse Genotypes of Rice (). <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	14
143	Statistics in Proteomics: A Meta-analysis of 100 Proteomics Papers Published in 2019. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2020</b> , 31, 1337-1343	3.5	2
142	Amyloid-beta peptide neurotoxicity in human neuronal cells is associated with modulation of insulin-like growth factor transport, lysosomal machinery and extracellular matrix receptor interactions. <i>Neural Regeneration Research</i> , <b>2020</b> , 15, 2131-2142	4.5	3

141	Retinal proteomics of experimental glaucoma model reveal intraocular pressure-induced mediators of neurodegenerative changes. <i>Journal of Cellular Biochemistry</i> , <b>2020</b> , 121, 4931	4.7	9
140	Wild and Cultivated Species of Rice Have Distinctive Proteomic Responses to Drought. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
139	PeptideWitch-A Software Package to Produce High-Stringency Proteomics Data Visualizations from Label-Free Shotgun Proteomics Data. <i>Proteomes</i> , <b>2020</b> , 8,	4.6	2
138	Upregulation of Proteolytic Pathways and Altered Protein Biosynthesis Underlie Retinal Pathology in a Mouse Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 6017-6034	6.2	23
137	Plant-Microbe Symbiosis: What Has Proteomics Taught Us?. <i>Proteomics</i> , <b>2019</b> , 19, e1800105	4.8	11
136	Proteomes of Leaf-Growing Zones in Rice Genotypes with Contrasting Drought Tolerance. <i>Proteomics</i> , <b>2019</b> , 19, e1800310	4.8	5
135	Amyloid $\beta$ Induces Early Changes in the Ribosomal Machinery, Cytoskeletal Organization and Oxidative Phosphorylation in Retinal Photoreceptor Cells. <i>Frontiers in Molecular Neuroscience</i> , <b>2019</b> , 12, 24	6.1	18
134	Evidence from the proteome for local adaptation to extreme heat in a widespread tree species. <i>Functional Ecology</i> , <b>2019</b> , 33, 436-446	5.6	4
133	The Quest for Missing Proteins in Rice. <i>Molecular Plant</i> , <b>2019</b> , 12, 4-6	14.4	6
132	Label-free and isobaric tandem mass tag (TMT) multiplexed quantitative proteomic data of two contrasting rice cultivars exposed to drought stress and recovery. <i>Data in Brief</i> , <b>2019</b> , 22, 697-702	1.2	3
131	Root endophytic fungus Piriformospora indica improves drought stress adaptation in barley by metabolic and proteomic reprogramming. <i>Environmental and Experimental Botany</i> , <b>2019</b> , 157, 197-210	5.9	40
130	Prospective Isolation of ISL1 Cardiac Progenitors from Human ESCs for Myocardial Infarction Therapy. <i>Stem Cell Reports</i> , <b>2018</b> , 10, 848-859	8	18
129	Differential protein expression and post-translational modifications in metronidazole-resistant <i>Giardia duodenalis</i> . <i>GigaScience</i> , <b>2018</b> , 7,	7.6	29
128	Shotgun proteomic analysis of photoperiod regulated dormancy induction in grapevine. <i>Journal of Proteomics</i> , <b>2018</b> , 187, 13-24	3.9	10
127	Surface markers of human embryonic stem cells: a meta analysis of membrane proteomics reports. <i>Expert Review of Proteomics</i> , <b>2018</b> , 15, 911-922	4.2	4
126	The Art of Validating Quantitative Proteomics Data. <i>Proteomics</i> , <b>2018</b> , 18, e1800222	4.8	9
125	Potential protein biomarkers of QX disease resistance in selectively bred Sydney Rock Oysters. <i>Aquaculture</i> , <b>2018</b> , 495, 144-152	4.4	7
124	Discovery of Novel Cell Surface Markers for Purification of Embryonic Dopamine Progenitors for Transplantation in Parkinson's Disease Animal Models. <i>Molecular and Cellular Proteomics</i> , <b>2018</b> , 17, 1670-1684	7.6	12

123	Quantitative proteomic analysis of human testis reveals system-wide molecular and cellular pathways associated with non-obstructive azoospermia. <i>Journal of Proteomics</i> , <b>2017</b> , 162, 141-154	3.9	17
122	Age-related neurodegenerative disease associated pathways identified in retinal and vitreous proteome from human glaucoma eyes. <i>Scientific Reports</i> , <b>2017</b> , 7, 12685	4.9	65
121	Low Focal Adhesion Signaling Promotes Ground State Pluripotency of Mouse Embryonic Stem Cells. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 3585-3595	5.6	15
120	Proteomics of Rice: Our Most Valuable Food Crop <b>2017</b> , 17-33		1
119	Proteomic Analysis of Disease in Sydney Rock Oysters <b>2017</b> , 343-357		1
118	The biology of environmental stress: molecular biomarkers in Sydney rock oysters ( <i>Saccostrea glomerata</i> ). <i>Environmental Sciences: Processes and Impacts</i> , <b>2016</b> , 18, 1129-39	4.3	9
117	Applications of Quantitative Proteomics in Plant Research <b>2016</b> , 1-29		3
116	Post-translational processing targets functionally diverse proteins in <i>Mycoplasma hyopneumoniae</i> . <i>Open Biology</i> , <b>2016</b> , 6, 150210	7	42
115	Identification of proteins from 4200-year-old skin and muscle tissue biopsies from ancient Egyptian mummies of the first intermediate period shows evidence of acute inflammation and severe immune response. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	5
114	Quantitative proteomics in <i>Giardia duodenalis</i> -Achievements and challenges. <i>Molecular and Biochemical Parasitology</i> , <b>2016</b> , 208, 96-112	1.9	6
113	Multiple testing corrections in quantitative proteomics: A useful but blunt tool. <i>Proteomics</i> , <b>2016</b> , 16, 2448-53	4.8	86
112	Quantitative Proteomic Analysis of the Orbital Frontal Cortex in Rats Following Extended Exposure to Caffeine Reveals Extensive Changes to Protein Expression: Implications for Neurological Disease. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 1455-71	5.6	4
111	PlantPReS: A database for plant proteome response to stress. <i>Journal of Proteomics</i> , <b>2016</b> , 143, 69-72	3.9	30
110	Effects of low temperature on tropical and temperate isolates of marine <i>Synechococcus</i> . <i>ISME Journal</i> , <b>2016</b> , 10, 1252-63	11.9	17
109	Quantitative shotgun proteomics reveals extensive changes to the proteome of the orbitofrontal cortex in rats that are hyperactive following withdrawal from a high sugar diet. <i>Proteomics</i> , <b>2016</b> , 16, 657-73	4.8	8
108	Induction of virulence factors in <i>Giardia duodenalis</i> independent of host attachment. <i>Scientific Reports</i> , <b>2016</b> , 6, 20765	4.9	32
107	Relative quantification of phosphoproteomic changes in grapevine ( <i>Vitis vinifera</i> L.) leaves in response to abscisic acid. <i>Horticulture Research</i> , <b>2016</b> , 3, 16029	7.7	12
106	Quantitative proteomic analysis of two different rice varieties reveals that drought tolerance is correlated with reduced abundance of photosynthetic machinery and increased abundance of ClpD1 protease. <i>Journal of Proteomics</i> , <b>2016</b> , 143, 73-82	3.9	34

105	Extended exposure to sugar and/or caffeine produces distinct behavioral and neurochemical profiles in the orbitofrontal cortex of rats: Implications for neural function. <i>Proteomics</i> , <b>2016</b> , 16, 2894-2910	4.8	1
104	Biomarkers of Winter Mortality resistance in selectively bred Sydney rock oysters ( <i>Saccostrea glomerata</i> ). <i>Aquaculture</i> , <b>2016</b> , 465, 323-329	4.4	10
103	The generation gap: Proteome changes and strain variation during encystation in <i>Giardia duodenalis</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2015</b> , 201, 47-56	1.9	14
102	Two Splice Variants of Y Chromosome-Located Lysine-Specific Demethylase 5D Have Distinct Function in Prostate Cancer Cell Line (DU-145). <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 3492-502	5.6	23
101	DDX3Y, a Male-Specific Region of Y Chromosome Gene, May Modulate Neuronal Differentiation. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 3474-83	5.6	36
100	Inter-laboratory evaluation of instrument platforms and experimental workflows for quantitative accuracy and reproducibility assessment. <i>EuPA Open Proteomics</i> , <b>2015</b> , 8, 6-15	0.1	30
99	Data from a proteomic baseline study of Assemblage A in <i>Giardia duodenalis</i> . <i>Data in Brief</i> , <b>2015</b> , 5, 23-7	1.2	5
98	Methamphetamine-induced sensitization is associated with alterations to the proteome of the prefrontal cortex: implications for the maintenance of psychotic disorders. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 397-410	5.6	26
97	Five omic technologies are concordant in differentiating the biochemical characteristics of the berries of five grapevine ( <i>Vitis vinifera</i> L.) cultivars. <i>BMC Genomics</i> , <b>2015</b> , 16, 946	4.5	30
96	Quantitative proteomic analysis of cabernet sauvignon grape cells exposed to thermal stresses reveals alterations in sugar and phenylpropanoid metabolism. <i>Proteomics</i> , <b>2015</b> , 15, 3048-60	4.8	26
95	Protein identification and quantification from riverbank grape, <i>Vitis riparia</i> : Comparing SDS-PAGE and FASP-GPF techniques for shotgun proteomic analysis. <i>Proteomics</i> , <b>2015</b> , 15, 3061-5	4.8	14
94	Quantitative proteomic analysis of <i>Giardia duodenalis</i> assemblage A: A baseline for host, assemblage, and isolate variation. <i>Proteomics</i> , <b>2015</b> , 15, 2281-5	4.8	15
93	Proteomics of Important Food Crops in the Asia Oceania Region: Current Status and Future Perspectives. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2723-44	5.6	11
92	The Hsp90 inhibitor SNX-7081 is synergistic with fludarabine nucleoside via DNA damage and repair mechanisms in human, p53-negative chronic lymphocytic leukemia. <i>Oncotarget</i> , <b>2015</b> , 6, 40981-97	3.3	8
91	Proteome Analysis of Ground State Pluripotency. <i>Scientific Reports</i> , <b>2015</b> , 5, 17985	4.9	20
90	Manipulating root water supply elicits major shifts in the shoot proteome. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 517-26	5.6	46
89	Proteomic analysis in <i>Giardia duodenalis</i> yields insights into strain virulence and antigenic variation. <i>Proteomics</i> , <b>2014</b> , 14, 2523-34	4.8	22
88	Current perspectives in proteomic analysis of abiotic stress in Grapevines. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 686	6.2	7

87	Analysis of rice proteins using SDS-PAGE shotgun proteomics. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1072, 289-302	1.4	10
86	Proteomic analysis indicates massive changes in metabolism prior to the inhibition of growth and photosynthesis of grapevine ( <i>Vitis vinifera</i> L.) in response to water deficit. <i>BMC Plant Biology</i> , <b>2013</b> , 13, 49	5.3	96
85	Proteomic analysis of the dorsal and ventral hippocampus of rats maintained on a high fat and refined sugar diet. <i>Proteomics</i> , <b>2013</b> , 13, 3076-91	4.8	18
84	Shotgun label-free quantitative proteomics of water-deficit-stressed midmature peanut ( <i>Arachis hypogaea</i> L.) seed. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 5048-57	5.6	28
83	Shotgun proteomics of coelomic fluid from the purple sea urchin, <i>Strongylocentrotus purpuratus</i> . <i>Developmental and Comparative Immunology</i> , <b>2013</b> , 40, 35-50	3.2	23
82	A fresh look at the male-specific region of the human Y chromosome. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 6-22	5.6	39
81	The influence of signals from chilled roots on the proteome of shoot tissues in rice seedlings. <i>Proteomics</i> , <b>2013</b> , 13, 1922-33	4.8	18
80	Label-free quantitative shotgun proteomics using normalized spectral abundance factors. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1002, 205-22	1.4	48
79	Plant proteogenomics: from protein extraction to improved gene predictions. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1002, 267-94	1.4	13
78	Shotgun proteomic analysis of the Mexican lime tree infected with "CandidatusPhytoplasma aurantifolia". <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 785-95	5.6	49
77	Proteomic discovery of biomarkers of metal contamination in Sydney Rock oysters ( <i>Saccostrea glomerata</i> ). <i>Aquatic Toxicology</i> , <b>2012</b> , 109, 202-12	5.1	56
76	Degradation of white wine haze proteins by Aspergillopepsin I and II during juice flash pasteurization. <i>Food Chemistry</i> , <b>2012</b> , 135, 1157-65	8.5	71
75	Time course proteomic profiling of cellular responses to immunological challenge in the sea urchin, <i>Helicodaris erythrogramma</i> . <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 37, 243-56	3.2	14
74	Shotgun proteomic analysis of long-distance drought signaling in rice roots. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 348-58	5.6	83
73	PloGO: plotting gene ontology annotation and abundance in multi-condition proteomics experiments. <i>Proteomics</i> , <b>2012</b> , 12, 406-10	4.8	29
72	Differential regulation of aquaporins, small GTPases and V-ATPases proteins in rice leaves subjected to drought stress and recovery. <i>Proteomics</i> , <b>2012</b> , 12, 864-77	4.8	69
71	Quantitative proteomics of heavy metal stress responses in Sydney rock oysters. <i>Proteomics</i> , <b>2012</b> , 12, 906-21	4.8	45
70	A proteomic analysis of the effects of metal contamination on Sydney Rock Oyster ( <i>Saccostrea glomerata</i> ) haemolymph. <i>Aquatic Toxicology</i> , <b>2011</b> , 103, 241-9	5.1	49

69	Comparative proteomic analysis of a sea urchin ( <i>Heliocidaris erythrogramma</i> ) antibacterial response revealed the involvement of apextrin and calreticulin. <i>Journal of Invertebrate Pathology</i> , <b>2011</b> , 106, 223-9	2.6	29
68	Mammalian forebrain ketimine reductase identified as Ecrystallin; potential regulation by thyroid hormones. <i>Journal of Neurochemistry</i> , <b>2011</b> , 118, 379-87	6	45
67	Shotgun proteomic profiling of five species of New Zealand Pachycladon. <i>Proteomics</i> , <b>2011</b> , 11, 166-71	4.8	14
66	Less label, more free: approaches in label-free quantitative mass spectrometry. <i>Proteomics</i> , <b>2011</b> , 11, 535-53	4.8	528
65	Time to articulate a vision for the future of plant proteomics - A global perspective: An initiative for establishing the International Plant Proteomics Organization (INPPO). <i>Proteomics</i> , <b>2011</b> , 11, 1559-68	4.8	24
64	Quantitative proteomic analysis of cold-responsive proteins in rice. <i>Proteomics</i> , <b>2011</b> , 11, 1696-706	4.8	94
63	Differential proteomic response of rice ( <i>Oryza sativa</i> ) leaves exposed to high- and low-temperature stress. <i>Proteomics</i> , <b>2011</b> , 11, 2839-50	4.8	58
62	Roles of grape thaumatin-like protein and chitinase in white wine haze formation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 733-40	5.7	70
61	Comparative protein expression in different strains of the bloom-forming cyanobacterium <i>Microcystis aeruginosa</i> . <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M110.003749	7.6	48
60	Liver membrane proteome glycosylation changes in mice bearing an extra-hepatic tumor. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M900538MCP200	7.6	34
59	NF45 and NF90 regulate HS4-dependent interleukin-13 transcription in T cells. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 8256-67	5.4	46
58	Physiological and molecular changes in <i>Oryza meridionalis</i> Ng., a heat-tolerant species of wild rice. <i>Journal of Experimental Botany</i> , <b>2010</b> , 61, 191-202	7	128
57	Engineered rings of mixed yeast Lsm proteins show differential interactions with translation factors and U-rich RNA. <i>Biochemistry</i> , <b>2010</b> , 49, 2335-45	3.2	11
56	Transcript and protein profiling identify candidate gene sets of potential adaptive significance in New Zealand Pachycladon. <i>BMC Evolutionary Biology</i> , <b>2010</b> , 10, 151	3	19
55	Proteomic analysis of temperature stress in plants. <i>Proteomics</i> , <b>2010</b> , 10, 828-45	4.8	83
54	Differential metabolic response of cultured rice ( <i>Oryza sativa</i> ) cells exposed to high- and low-temperature stress. <i>Proteomics</i> , <b>2010</b> , 10, 3001-19	4.8	80
53	Partial Characterization of a Vicilin-Like Glycoprotein from Seeds of Flowering Tobacco ( <i>Nicotiana sylvestris</i> ). <i>Journal of Botany</i> , <b>2009</b> , 2009, 1-12	0	3
52	Proteomic analysis of a filamentous fungal endophyte using EST datasets. <i>Proteomics</i> , <b>2009</b> , 9, 2295-3004.8	4.8	7

51	Rat liver membrane glycoproteome: enrichment by phase partitioning and glycoprotein capture. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 770-81	5.6	56
50	Two-step purification of pathogenesis-related proteins from grape juice and crystallization of thaumatin-like proteins. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 11376-82	5.7	39
49	Grape and wine proteins: their fractionation by hydrophobic interaction chromatography and identification by chromatographic and proteomic analysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 4415-25	5.7	63
48	Proteomic analysis of <i>Drosophila mojavensis</i> male accessory glands suggests novel classes of seminal fluid proteins. <i>Insect Biochemistry and Molecular Biology</i> , <b>2009</b> , 39, 366-71	4.5	40
47	Crystal structure of Lsm3 octamer from <i>Saccharomyces cerevisiae</i> : implications for Lsm ring organisation and recruitment. <i>Journal of Molecular Biology</i> , <b>2008</b> , 377, 1357-71	6.5	23
46	Characterization of the rat liver membrane proteome using peptide immobilized pH gradient isoelectric focusing. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 1036-45	5.6	49
45	A combination of immobilised pH gradients improves membrane proteomics. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 4974-81	5.6	27
44	Proteomic analysis of shade-avoidance response in tomato leaves. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 8310-8	5.7	11
43	Subcellular shotgun proteomics in plants: looking beyond the usual suspects. <i>Proteomics</i> , <b>2007</b> , 7, 2963-75	4.8	57
42	Two-dimensional differential in-gel electrophoresis (DIGE) of leaf and roots of <i>Lycopersicon esculentum</i> . <i>Methods in Molecular Biology</i> , <b>2007</b> , 355, 157-74	1.4	7
41	Two-dimensional nanoflow liquid chromatography-tandem mass spectrometry of proteins extracted from rice leaves and roots. <i>Methods in Molecular Biology</i> , <b>2007</b> , 355, 249-66	1.4	4
40	Identification of proteins from a cell wall fraction of the diatom <i>Thalassiosira pseudonana</i> : insights into silica structure formation. <i>Molecular and Cellular Proteomics</i> , <b>2006</b> , 5, 182-93	7.6	106
39	Protein expression profiling of <i>Coccidioides posadasii</i> by two-dimensional differential in-gel electrophoresis and evaluation of a newly recognized peroxisomal matrix protein as a recombinant vaccine candidate. <i>Infection and Immunity</i> , <b>2006</b> , 74, 1865-72	3.7	36
38	The wildcat toolbox: a set of perl script utilities for use in peptide mass spectral database searching and proteomics experiments. <i>Journal of Biomolecular Techniques</i> , <b>2006</b> , 17, 97-102	1.1	6
37	Verification of single-peptide protein identifications by the application of complementary database search algorithms. <i>Journal of Biomolecular Techniques</i> , <b>2006</b> , 17, 327-32	1.1	18
36	Composition and structure of the 80S ribosome from the green alga <i>Chlamydomonas reinhardtii</i> : 80S ribosomes are conserved in plants and animals. <i>Journal of Molecular Biology</i> , <b>2005</b> , 351, 266-79	6.5	32
35	Comprehensive proteomics in yeast using chromatographic fractionation, gas phase fractionation, protein gel electrophoresis, and isoelectric focusing. <i>Proteomics</i> , <b>2005</b> , 5, 2018-28	4.8	81
34	Analysis of secreted proteins from <i>Aspergillus flavus</i> . <i>Proteomics</i> , <b>2005</b> , 5, 3153-61	4.8	81



33	Protein disulfide bond formation in the cytoplasm during oxidative stress. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 21749-58	5.4	337
32	Proteomic characterization of the <i>Chlamydomonas reinhardtii</i> chloroplast ribosome. Identification of proteins unique to the 70 S ribosome. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 33774-85	5.4	97
31	Investigative proteomics: identification of an unknown plant virus from infected plants using mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2003</b> , 14, 736-41	3.5	74
30	Mass spectrometric analysis of the editosome and other multiprotein complexes in <i>Trypanosoma brucei</i> . <i>Journal of the American Society for Mass Spectrometry</i> , <b>2003</b> , 14, 728-35	3.5	55
29	High-throughput functional affinity purification of mannose binding proteins from <i>Oryza sativa</i> . <i>Proteomics</i> , <b>2003</b> , 3, 1270-8	4.8	34
28	Development of a system for the study of protein-protein interactions in plants: characterization of a TATA-box binding protein complex in <i>Oryza sativa</i> . <i>Journal of Proteome Research</i> , <b>2003</b> , 2, 514-22	5.6	13
27	Proteomic characterization of wheat amyloplasts using identification of proteins by tandem mass spectrometry. <i>Proteomics</i> , <b>2002</b> , 2, 1156-68	4.8	171
26	The functional proteomics toolbox: methods and applications. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2002</b> , 782, 165-81	3.2	54
25	Proteomic characterization of the small subunit of <i>Chlamydomonas reinhardtii</i> chloroplast ribosome: identification of a novel S1 domain-containing protein and unusually large orthologs of bacterial S2, S3, and S5. <i>Plant Cell</i> , <b>2002</b> , 14, 2957-74	11.6	74
24	Induction of cachexia in mice by systemically administered myostatin. <i>Science</i> , <b>2002</b> , 296, 1486-8	33.3	742
23	Proteomic survey of metabolic pathways in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 11969-74	11.5	360
22	Smooth muscle cell phenotypic transition associated with calcification: upregulation of Cbfa1 and downregulation of smooth muscle lineage markers. <i>Circulation Research</i> , <b>2001</b> , 89, 1147-54	15.7	648
21	Proteome profiling-pitfalls and progress. <i>Yeast</i> , <b>2000</b> , 17, 81-7	3.4	58
20	Simultaneous detection and identification of O-GlcNAc-modified glycoproteins using liquid chromatography-tandem mass spectrometry. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 5402-10	7.8	72
19	Towards an Integrated Analytical Technology for the Generation of Multidimensional Protein Expression Maps <b>2000</b> , 143-162		1
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17	A web site for the rat serum protein study group. <i>Electrophoresis</i> , <b>1999</b> , 20, 3599-602	3.6	17
16	Oligopeptidase B-dependent signaling mediates host cell invasion by <i>Trypanosoma cruzi</i> . <i>EMBO Journal</i> , <b>1998</b> , 17, 4975-86	13	154

15	A simplified gradient solvent delivery system for capillary liquid chromatography-electrospray ionization mass spectrometry. <i>Analytical Biochemistry</i> , <b>1998</b> , 265, 129-38	3.1	26
14	Identification of gel-separated proteins by liquid chromatography-electrospray tandem mass spectrometry: comparison of methods and their limitations. <i>Electrophoresis</i> , <b>1998</b> , 19, 939-45	3.6	66
13	Proteome analysis: biological assay or data archive?. <i>Electrophoresis</i> , <b>1998</b> , 19, 1862-71	3.6	121
12	Phosphoglycosylation: a new structural class of glycosylation?. <i>Glycobiology</i> , <b>1998</b> , 8, 1-5	5.8	63
11	Structural characterization of novel oligosaccharides of cell-surface glycoproteins of <i>Trypanosoma cruzi</i> . <i>Glycobiology</i> , <b>1996</b> , 6, 869-78	5.8	43
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6	Characterisation of oligosaccharides from a glycoprotein variant of human serum albumin (albumin Casebrook) using high-performance anion-exchange chromatography and nuclear magnetic resonance spectroscopy. <i>Biomedical Applications</i> , <b>1992</b> , 581, 187-93		16
5	Applications of automated amino acid analysis using 9-fluorenylmethyl chloroformate. <i>Journal of Chromatography A</i> , <b>1991</b> , 588, 107-14	4.5	76
4	Amino acid analysis using derivatisation with 9-fluorenylmethyl chloroformate and reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , <b>1991</b> , 540, 177-85	4.5	80
3	Comparison of protein and peptide fractionation approaches in protein identification and quantification from <i>Saccharomyces cerevisiae</i>		1
2	An experimentally-derived measure of inter-replicate variation in reference samples: the same-same permutation methodology		2
1	The phosphoproteome of rice leaves responds to water and nitrogen supply		1