

Robert J. Beynon

List of Publications by Year in descending order

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314
papers

13,276
citations

23500

58
h-index

31759

101
g-index

325
all docs

325
docs citations

325
times ranked

11358
citing authors

#	ARTICLE	IF	CITATIONS
1	Individual recognition in mice mediated by major urinary proteins. <i>Nature</i> , 2001, 414, 631-634.	13.7	548
2	Multiplexed absolute quantification in proteomics using artificial QCAT proteins of concatenated signature peptides. <i>Nature Methods</i> , 2005, 2, 587-589.	9.0	456
3	Scent wars: the chemobiology of competitive signalling in mice. <i>BioEssays</i> , 2004, 26, 1288-1298.	1.2	407
4	The astacin family of metalloendopeptidases. <i>Protein Science</i> , 1995, 4, 1247-1261.	3.1	391
5	Dynamics of Protein Turnover, a Missing Dimension in Proteomics. <i>Molecular and Cellular Proteomics</i> , 2002, 1, 579-591.	2.5	369
6	Multiplexed absolute quantification for proteomics using concatenated signature peptides encoded by QconCAT genes. <i>Nature Protocols</i> , 2006, 1, 1029-1043.	5.5	357
7	Turnover of the Human Proteome: Determination of Protein Intracellular Stability by Dynamic SILAC. <i>Journal of Proteome Research</i> , 2009, 8, 104-112.	1.8	294
8	Darcin: a male pheromone that stimulates female memory and sexual attraction to an individual male's odour. <i>BMC Biology</i> , 2010, 8, 75.	1.7	281
9	Cold-Induced Expression of Delta9-Desaturase in Carp by Transcriptional and Posttranslational Mechanisms. <i>Science</i> , 1996, 271, 815-818.	6.0	275
10	Proteins in urine scent marks of male house mice extend the longevity of olfactory signals. <i>Animal Behaviour</i> , 1998, 55, 1289-1297.	0.8	223
11	Metabolic Labeling of Proteins for Proteomics. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 857-872.	2.5	191
12	Activation of the Endosome-Associated Ubiquitin Isopeptidase AMSH by STAM, a Component of the Multivesicular Body-Sorting Machinery. <i>Current Biology</i> , 2006, 16, 160-165.	1.8	190
13	The Genetic Basis of Individual-Recognition Signals in the Mouse. <i>Current Biology</i> , 2007, 17, 1771-1777.	1.8	186
14	Urinary proteins and the modulation of chemical scents in mice and rats. <i>Peptides</i> , 2004, 25, 1553-1563.	1.2	175
15	The Genetic Basis of Inbreeding Avoidance in House Mice. <i>Current Biology</i> , 2007, 17, 2061-2066.	1.8	169
16	Multiple roles of major urinary proteins in the house mouse, <i>Mus domesticus</i> . <i>Biochemical Society Transactions</i> , 2003, 31, 142-146.	1.6	161
17	Proteome dynamics in complex organisms: Using stable isotopes to monitor individual protein turnover rates. <i>Proteomics</i> , 2005, 5, 522-533.	1.3	158
18	Positional proteomics: selective recovery and analysis of N-terminal proteolytic peptides. <i>Nature Methods</i> , 2005, 2, 955-957.	9.0	150

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19	Absolute Multiplexed Quantitative Analysis of Protein Expression during Muscle Development Using QconCAT. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1416-1427.	2.5	141
20	Pheromonal Induction of Spatial Learning in Mice. <i>Science</i> , 2012, 338, 1462-1465.	6.0	141
21	Unravelling the chemical basis of competitive scent marking in house mice. <i>Animal Behaviour</i> , 1999, 58, 1177-1190.	0.8	138
22	Purification and characterization of a metallo-endoproteinase from mouse kidney. <i>Biochemical Journal</i> , 1981, 199, 591-598.	1.7	137
23	Caught in a Trap? Proteomic Analysis of Neutrophil Extracellular Traps in Rheumatoid Arthritis and Systemic Lupus Erythematosus. <i>Frontiers in Immunology</i> , 2019, 10, 423.	2.2	136
24	The importance of the digest: Proteolysis and absolute quantification in proteomics. <i>Methods</i> , 2011, 54, 351-360.	1.9	134
25	The astacin family of metalloendopeptidases. <i>Journal of Biological Chemistry</i> , 1991, 266, 21381-5.	1.6	131
26	Extraction, characterization, and binding analysis of two pheromonally active ligands associated with major urinary protein of house mouse (<i>Mus musculus</i>). <i>Journal of Chemical Ecology</i> , 1993, 19, 1405-1416.	0.9	125
27	Limited variation in the major urinary proteins of laboratory mice. <i>Physiology and Behavior</i> , 2009, 96, 253-261.	1.0	125
28	The proteome of chicken skeletal muscle: Changes in soluble protein expression during growth in a layer strain. <i>Proteomics</i> , 2004, 4, 2082-2093.	1.3	118
29	Molecular heterogeneity in the Major Urinary Proteins of the house mouse <i>Mus musculus</i> . <i>Biochemical Journal</i> , 1996, 316, 265-272.	1.7	112
30	Structural and functional differences in isoforms of mouse major urinary proteins: a male-specific protein that preferentially binds a male pheromone. <i>Biochemical Journal</i> , 2005, 391, 343-350.	1.7	110
31	Assessment of conformational parameters as predictors of limited proteolytic sites in native protein structures. <i>Protein Engineering, Design and Selection</i> , 1998, 11, 349-359.	1.0	109
32	Proteome Dynamics: Revisiting Turnover with a Global Perspective. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1551-1565.	2.5	106
33	Tumour compartment transcriptomics demonstrates the activation of inflammatory and odontogenic programmes in human adamantinomatous craniopharyngioma and identifies the MAPK/ERK pathway as a novel therapeutic target. <i>Acta Neuropathologica</i> , 2018, 135, 757-777.	3.9	106
34	Global absolute quantification of a proteome: Challenges in the deployment of a QconCAT strategy. <i>Proteomics</i> , 2011, 11, 2957-2970.	1.3	103
35	Dynamic instability of the Major Urinary Protein gene family revealed by genomic and phenotypic comparisons between C57 and 129 strain mice. <i>Genome Biology</i> , 2008, 9, R91.	13.9	100
36	McArdle's disease: a nonsense mutation in exon 1 of the muscle glycogen phosphorylase gene explains some but not all cases. <i>Human Molecular Genetics</i> , 1993, 2, 1291-1293.	1.4	97

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37	Comparative Proteomics Reveals Evidence for Evolutionary Diversification of Rodent Seminal Fluid and Its Functional Significance in Sperm Competition. <i>Molecular Biology and Evolution</i> , 2008, 26, 189-198.	3.5	96
38	An <i>in vivo</i> control map for the eukaryotic mRNA translation machinery. <i>Molecular Systems Biology</i> , 2013, 9, 635.	3.2	89
39	The Direct Assessment of Genetic Heterozygosity through Scent in the Mouse. <i>Current Biology</i> , 2008, 18, 619-623.	1.8	83
40	Positional proteomics: preparation of amino-terminal peptides as a strategy for proteome simplification and characterization. <i>Nature Protocols</i> , 2006, 1, 1790-1798.	5.5	82
41	Direct characterization of the native structure and mechanics of cyanobacterial carboxysomes. <i>Nanoscale</i> , 2017, 9, 10662-10673.	2.8	81
42	Catabolism of intracellular protein: molecular aspects. <i>American Journal of Physiology - Cell Physiology</i> , 1986, 251, C141-C152.	2.1	80
43	Direct and Absolute Quantification of over 1800 Yeast Proteins via Selected Reaction Monitoring. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1309-1322.	2.5	80
44	The ownership signature in mouse scent marks is involatile. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1957-1963.	1.2	79
45	Protein turnover on the scale of the proteome. <i>Expert Review of Proteomics</i> , 2006, 3, 97-110.	1.3	77
46	The alpha subunit of meprin A. Molecular cloning and sequencing, differential expression in inbred mouse strains, and evidence for divergent evolution of the alpha and beta subunits. <i>Journal of Biological Chemistry</i> , 1992, 267, 9185-93.	1.6	77
47	The consequences of inbreeding for recognizing competitors. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 687-694.	1.2	75
48	Protein turnover: Measurement of proteome dynamics by whole animal metabolic labelling with stable isotope labelled amino acids. <i>Proteomics</i> , 2012, 12, 1194-1206.	1.3	71
49	Chromatographic separations as a prelude to two-dimensional electrophoresis in proteomics analysis. <i>Proteomics</i> , 2001, 1, 42-53.	1.3	70
50	Absolute Quantification of the Glycolytic Pathway in Yeast. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.007633.	2.5	70
51	MHC odours are not required or sufficient for recognition of individual scent owners. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 715-724.	1.2	69
52	Abundance of tegument surface proteins in the human blood fluke <i>Schistosoma mansoni</i> determined by QconCAT proteomics. <i>Journal of Proteomics</i> , 2011, 74, 1519-1533.	1.2	69
53	Sperm competition risk drives plasticity in seminal fluid composition. <i>BMC Biology</i> , 2015, 13, 87.	1.7	69
54	Acetone Precipitation of Proteins and the Modification of Peptides. <i>Journal of Proteome Research</i> , 2010, 9, 444-450.	1.8	67

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55	Polymorphism in major urinary proteins: molecular heterogeneity in a wild mouse population. <i>Journal of Chemical Ecology</i> , 2002, 28, 1429-1446.	0.9	63
56	The Genetic Basis of Kin Recognition in a Cooperatively Breeding Mammal. <i>Current Biology</i> , 2015, 25, 2631-2641.	1.8	63
57	A combination of chemical derivatisation and improved bioinformatic tools optimises protein identification for proteomics. <i>Electrophoresis</i> , 2001, 22, 552-559.	1.3	61
58	Molecular Heterogeneity of Urinary Proteins in Wild House Mouse Populations. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 786-790.	0.7	59
59	Effect of polymorphisms on ligand binding by mouse major urinary proteins. <i>Protein Science</i> , 2001, 10, 411-417.	3.1	59
60	Galectin-3 interacts with the cell-surface glycoprotein CD146 (MCAM, MUC18) and induces secretion of metastasis-promoting cytokines from vascular endothelial cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 8381-8389.	1.6	59
61	Stable isotope labelling in vivo as an aid to protein identification in peptide mass fingerprinting. <i>Proteomics</i> , 2002, 2, 157-163.	1.3	58
62	QconCATs: design and expression of concatenated protein standards for multiplexed protein quantification. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 977-989.	1.9	57
63	Tissue-dependent changes in oxidative damage with male reproductive effort in house mice. <i>Functional Ecology</i> , 2012, 26, 423-433.	1.7	57
64	The inactivation of native enzymes by a neutral proteinase from rat intestinal muscle. <i>Biochemical Journal</i> , 1978, 173, 291-298.	1.7	56
65	From sexual attraction to maternal aggression: When pheromones change their behavioural significance. <i>Hormones and Behavior</i> , 2015, 68, 65-76.	1.0	56
66	Proteomic analysis of excretory/secretory products released by <i>Teladorsagia circumcincta</i> larvae early post-infection. <i>Parasite Immunology</i> , 2009, 31, 10-19.	0.7	54
67	How to submit MS proteomics data to ProteomeXchange via the PRIDE database. <i>Proteomics</i> , 2014, 14, 2233-2241.	1.3	54
68	Elevated Glucose Represses Liver Glucokinase and Induces Its Regulatory Protein to Safeguard Hepatic Phosphate Homeostasis. <i>Diabetes</i> , 2011, 60, 3110-3120.	0.3	53
69	Limited proteolysis of native proteins: The interaction between avidin and proteinase K. <i>Protein Science</i> , 1995, 4, 1337-1345.	3.1	52
70	Effect of vitamin B6 supplementation in McArdle's disease: a strategic case study. <i>Neuromuscular Disorders</i> , 1998, 8, 210-212.	0.3	52
71	The scent of senescence: sexual signalling and female preference in house mice. <i>Journal of Evolutionary Biology</i> , 2011, 24, 2398-2409.	0.8	52
72	Mep-1 gene controlling a kidney metalloendopeptidase is linked to the major histocompatibility complex in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 5542-5545.	3.3	49

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73	PEPPI-MS: Polyacrylamide-Gel-Based Prefractionation for Analysis of Intact Proteoforms and Protein Complexes by Mass Spectrometry. <i>Journal of Proteome Research</i> , 2020, 19, 3779-3791.	1.8	49
74	Decoding the stoichiometric composition and organisation of bacterial metabolosomes. <i>Nature Communications</i> , 2020, 11, 1976.	5.8	49
75	Global cooling: Cold acclimation and the expression of soluble proteins in carp skeletal muscle. <i>Proteomics</i> , 2007, 7, 2667-2681.	1.3	48
76	Quantitative Analysis of HGF and EGF-Dependent Phosphotyrosine Signaling Networks. <i>Journal of Proteome Research</i> , 2010, 9, 2734-2742.	1.8	48
77	Meprin: A Membrane-Bound Metallo-endopeptidase. <i>Current Topics in Cellular Regulation</i> , 1986, 28, 263-290.	9.6	48
78	A Software Toolkit and Interface for Performing Stable Isotope Labeling and Top3 Quantification Using Progenesis LC-MS. <i>OMICS A Journal of Integrative Biology</i> , 2012, 16, 489-495.	1.0	47
79	Whole-cell modeling in yeast predicts compartment-specific proteome constraints that drive metabolic strategies. <i>Nature Communications</i> , 2022, 13, 801.	5.8	47
80	Selection on Coding and Regulatory Variation Maintains Individuality in Major Urinary Protein Scent Marks in Wild Mice. <i>PLoS Genetics</i> , 2016, 12, e1005891.	1.5	46
81	The Subunit Structure and Dynamics of the 20S Proteasome in Chicken Skeletal Muscle. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1370-1381.	2.5	45
82	In-depth proteomic profiling of the uveal melanoma secretome. <i>Oncotarget</i> , 2016, 7, 49623-49635.	0.8	45
83	Matrix metalloproteinases 2 and 9 in canine rheumatoid arthritis. <i>Veterinary Record</i> , 1998, 143, 219-223.	0.2	44
84	Characterization of Cauxin in the Urine of Domestic and Big Cats. <i>Journal of Chemical Ecology</i> , 2007, 33, 1997-2009.	0.9	44
85	The pheromone darcin drives a circuit for innate and reinforced behaviours. <i>Nature</i> , 2020, 578, 137-141.	13.7	44
86	Copper-associated liver disease: A proteomics study of copper challenge in a sheep model. <i>Proteomics</i> , 2004, 4, 524-536.	1.3	43
87	Deficiency of a kidney metalloproteinase activity in inbred mouse strains. <i>Science</i> , 1983, 219, 1351-1353.	6.0	42
88	QCAL—a novel standard for assessing instrument conditions for proteome analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1275-1280.	1.2	41
89	Molecular heterogeneity in major urinary proteins of <i>Mus musculus</i> subspecies: potential candidates involved in speciation. <i>Scientific Reports</i> , 2017, 7, 44992.	1.6	41
90	Individual odour signatures that mice learn are shaped by involatile major urinary proteins (MUPs). <i>BMC Biology</i> , 2018, 16, 48.	1.7	41

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91	TiOCl, TiOBr-are these RVB d1, S=1/2 materials? The results of scandium substitution set in the context of other S=1/2 systems of current interest for high-temperature superconductivity and the metal-insulator transition. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 1983-2000.	0.7	40
92	Rigorous determination of the stoichiometry of protein phosphorylation using mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 2211-2220.	1.2	40
93	Absolute Quantification of Selected Proteins in the Human Osteoarthritic Secretome. <i>International Journal of Molecular Sciences</i> , 2013, 14, 20658-20681.	1.8	40
94	Elastase levels and activity are increased in dystrophic muscle and impair myoblast cell survival, proliferation and differentiation. <i>Scientific Reports</i> , 2016, 6, 24708.	1.6	40
95	Probing the biogenesis pathway and dynamics of thylakoid membranes. <i>Nature Communications</i> , 2021, 12, 3475.	5.8	40
96	Quantotypic Properties of QconCAT Peptides Targeting Bovine Host Response to <i>Streptococcus uberis</i> . <i>Journal of Proteome Research</i> , 2012, 11, 1832-1843.	1.8	39
97	Increased Expression of Chemerin in Squamous Esophageal Cancer Myofibroblasts and Role in Recruitment of Mesenchymal Stromal Cells. <i>PLoS ONE</i> , 2014, 9, e104877.	1.1	38
98	Female attraction to male scent and associative learning: the house mouse as a mammalian model. <i>Animal Behaviour</i> , 2014, 97, 313-321.	0.8	38
99	Proteome Analysis of Intact Proteins in Complex Mixtures. <i>Molecular and Cellular Proteomics</i> , 2003, 2, 85-95.	2.5	37
100	Heterogenous Turnover of Sperm and Seminal Vesicle Proteins in the Mouse Revealed by Dynamic Metabolic Labeling. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.014993.	2.5	37
101	Formation of 3-nitrotyrosines in carbonic anhydrase III is a sensitive marker of oxidative stress in skeletal muscle. <i>Proteomics - Clinical Applications</i> , 2007, 1, 362-372.	0.8	36
102	Mammalian metalloendopeptidases. <i>International Journal of Biochemistry & Cell Biology</i> , 1985, 17, 565-574.	0.8	35
103	The Greater Susceptibility of North Ronaldsay Sheep Compared with Cambridge Sheep to Copper-induced Oxidative Stress, Mitochondrial Damage and Hepatic Stellate Cell Activation. <i>Journal of Comparative Pathology</i> , 2005, 133, 114-127.	0.1	35
104	Exploiting proteomic data for genome annotation and gene model validation in <i>Aspergillus niger</i> . <i>BMC Genomics</i> , 2009, 10, 61.	1.2	35
105	Asparagine Deamidation and the Role of Higher Order Protein Structure. <i>Journal of Proteome Research</i> , 2008, 7, 921-927.	1.8	34
106	Proteolysis and physiological regulation. <i>Molecular Aspects of Medicine</i> , 1987, 9, 173-287.	2.7	33
107	Metabolomics as a diagnostic tool for hepatology: validation in a naturally occurring canine model. <i>Metabolomics</i> , 2005, 1, 215-225.	1.4	33
108	Characterization and Comparison of Major Urinary Proteins from the House Mouse, <i>Mus musculus domesticus</i> , and the Aboriginal Mouse, <i>Mus macedonicus</i> . <i>Journal of Chemical Ecology</i> , 2007, 33, 613-630.	0.9	33

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109	Quantitative analysis of chaperone network throughput in budding yeast. <i>Proteomics</i> , 2013, 13, 1276-1291.	1.3	33
110	Proteome Dynamics: Tissue Variation in the Kinetics of Proteostasis in Intact Animals. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1204-1219.	2.5	33
111	Anabolic effects of a non-myotoxic dose of the β_2 -adrenergic receptor agonist clenbuterol on rat plantaris muscle. <i>Muscle and Nerve</i> , 2007, 35, 217-223.	1.0	32
112	Characterization of the soluble, secreted form of urinary meprin. <i>Biochemical Journal</i> , 1996, 315, 461-465.	1.7	31
113	Absolute Multiplexed Protein Quantification Using QconCAT Technology. <i>Methods in Molecular Biology</i> , 2012, 893, 267-293.	0.4	31
114	Cross-species proteomics in analysis of mammalian sperm proteins. <i>Journal of Proteomics</i> , 2016, 135, 38-50.	1.2	31
115	The major urinary protein system in the rat. <i>Biochemical Society Transactions</i> , 2014, 42, 886-892.	1.6	30
116	Comparative study of the molecular variation between α -central TM and α -peripheral TM MUPs and significance for behavioural signalling. <i>Biochemical Society Transactions</i> , 2014, 42, 866-872.	1.6	30
117	Molecular heterogeneity in McArdle's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1990, 1096, 26-32.	1.8	29
118	Teladorsagia circumcincta: Activation-associated secreted proteins in excretory/secretory products of fourth stage larvae are targets of early IgA responses in infected sheep. <i>Experimental Parasitology</i> , 2010, 125, 329-337.	0.5	29
119	Chemerin acts via CMKLR1 and GPR1 to stimulate migration and invasion of gastric cancer cells: putative role of decreased TIMP-1 and TIMP-2. <i>Oncotarget</i> , 2019, 10, 98-112.	0.8	29
120	Application of electrospray ionization mass spectrometry with maximum-entropy analysis to allelic α -fingerprinting TM of major urinary proteins. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 882-886.	0.7	28
121	The dynamics of the proteome: Strategies for measuring protein turnover on a proteome-wide scale. <i>Briefings in Functional Genomics & Proteomics</i> , 2005, 3, 382-390.	3.8	28
122	The male sex pheromone darcin stimulates hippocampal neurogenesis and cell proliferation in the subventricular zone in female mice. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 106.	1.0	28
123	Proximity of the Mep-1 Gene to H-2D on chromosome 17 in mice. <i>Immunogenetics</i> , 1985, 22, 617-623.	1.2	27
124	Isolation and identification of canine matrixmetalloproteinase-2 (MMP-2). <i>Veterinary Journal</i> , 1998, 155, 231-237.	0.6	27
125	The heparin-binding proteome in normal pancreas and murine experimental acute pancreatitis. <i>PLoS ONE</i> , 2019, 14, e0217633.	1.1	27
126	Decoding the Absolute Stoichiometric Composition and Structural Plasticity of β -Carboxysomes. <i>MBio</i> , 2022, 13, e0362921.	1.8	27

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127	McArdle's disease-muscle glycogen phosphorylase deficiency. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1995, 1272, 1-13.	1.8	26
128	Making progress in genetic kin recognition among vertebrates. <i>Journal of Biology</i> , 2010, 9, 13.	2.7	26
129	Certain mouse strains are deficient in a kidney brush-border metallo-endopeptidase activity. <i>Biochemical Journal</i> , 1983, 209, 251-255.	1.7	25
130	McArdle's disease: Molecular genetics and metabolic consequences of the phenotype. <i>Muscle and Nerve</i> , 1995, 18, S18-S22.	1.0	25
131	Hardware acceleration of processing of mass spectrometric data for proteomics. <i>Bioinformatics</i> , 2007, 23, 724-731.	1.8	25
132	Quantitative Proteomics Shows Extensive Remodeling Induced by Nitrogen Limitation in <i>Prochlorococcus marinus</i> SS120. <i>MSystems</i> , 2017, 2, .	1.7	25
133	Landscape of heart proteome changes in a diet-induced obesity model. <i>Scientific Reports</i> , 2019, 9, 18050.	1.6	25
134	Asymmetric Proteome Equalization of the Skeletal Muscle Proteome Using a Combinatorial Hexapeptide Library. <i>PLoS ONE</i> , 2011, 6, e28902.	1.1	25
135	Ligands of Urinary Lipocalins from the Mouse: Uptake of Environmentally Derived Chemicals. <i>Journal of Chemical Ecology</i> , 1998, 24, 1127-1140.	0.9	24
136	The Structure, Stability and Pheromone Binding of the Male Mouse Protein Sex Pheromone Darcin. <i>PLoS ONE</i> , 2014, 9, e108415.	1.1	24
137	Disruption of Wnt Planar Cell Polarity Signaling by Aberrant Accumulation of the MetAP-2 Substrate Rab37. <i>Chemistry and Biology</i> , 2011, 18, 1300-1311.	6.2	23
138	MEERCAT: Multiplexed Efficient Cell Free Expression of Recombinant QconCATs For Large Scale Absolute Proteome Quantification. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 2169-2183.	2.5	23
139	The characteristic response of domestic cats to plant iridoids allows them to gain chemical defense against mosquitoes. <i>Science Advances</i> , 2021, 7, .	4.7	23
140	Cross Species Proteomics. <i>Methods in Molecular Biology</i> , 2010, 604, 123-135.	0.4	23
141	Diauxic shift-dependent relocalization of decapping activators Dhh1 and Pat1 to polysomal complexes. <i>Nucleic Acids Research</i> , 2011, 39, 7764-7774.	6.5	22
142	The Role of Eif6 in Skeletal Muscle Homeostasis Revealed by Endurance Training Co-expression Networks. <i>Cell Reports</i> , 2017, 21, 1507-1520.	2.9	22
143	Glucose Uptake in <i>Prochlorococcus</i> : Diversity of Kinetics and Effects on the Metabolism. <i>Frontiers in Microbiology</i> , 2017, 8, 327.	1.5	22
144	Proteolysis of Native Proteins. <i>Journal of Biological Chemistry</i> , 1999, 274, 1108-1115.	1.6	21

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145	Proteomics and naturally occurring animal diseases: Opportunities for animal and human medicine. <i>Proteomics - Clinical Applications</i> , 2008, 2, 135-141.	0.8	21
146	A semicontinuous assay for glycogen phosphorylase. <i>Analytical Biochemistry</i> , 1978, 85, 321-324.	1.1	20
147	Mep-1, the gene regulating meprin activity, maps between Pgf-2 and Ce-2 on mouse chromosome 17. <i>Immunogenetics</i> , 1988, 27, 298-300.	1.2	20
148	Accuracy and Reproducibility in Quantification of Plasma Protein Concentrations by Mass Spectrometry without the Use of Isotopic Standards. <i>PLoS ONE</i> , 2015, 10, e0140097.	1.1	20
149	The turnover of skeletal muscle glycogen phosphorylase studied using the cofactor, pyridoxal phosphate, as a specific label. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1985, 847, 316-323.	1.9	19
150	Effect of denervation on the expression of glycogen phosphorylase in mouse skeletal muscle. <i>Biochemical Journal</i> , 1990, 272, 231-237.	1.7	19
151	A structure-activity study of thaumatin using pyridoxal 5â€²-phosphate (PLP) as a probe. <i>Chemical Senses</i> , 1990, 15, 457-469.	1.1	19
152	Synthetic analogues of the proteinase inhibitor: chymostatin. <i>International Journal of Peptide and Protein Research</i> , 1984, 23, 477-486.	0.1	19
153	The Effect of Familiarity on Mate Choice. , 2008, , 271-280.		19
154	Heterogeneity of Major Urinary Proteins in House Mice: Population and Sex Differences. , 2001, , 233-240.		19
155	High-performance hardware implementation of a parallel database search engine for real-time peptide mass fingerprinting. <i>Bioinformatics</i> , 2008, 24, 1498-1502.	1.8	18
156	Absolute protein quantification of the yeast chaperome under conditions of heat shock. <i>Proteomics</i> , 2016, 16, 2128-2140.	1.3	18
157	Specificity of the osmotic stress response in <i>Candida albicans</i> highlighted by quantitative proteomics. <i>Scientific Reports</i> , 2018, 8, 14492.	1.6	18
158	A microcomputer program for analysis of nucleic acid hybridization data. <i>Nucleic Acids Research</i> , 1982, 10, 1411-1421.	6.5	17
159	The complexity of protein semiochemistry in mammals. <i>Biochemical Society Transactions</i> , 2014, 42, 837-845.	1.6	17
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