Richard J Simpson

List of Publications by Year
in descending order

328 papers	35,620 citations	6613 79 h-index	3732 179 g-index
337 all docs	337 docs citations	337 times ranked	38989 citing authors

#	Article	IF	Citations
1	Identification of DIABLO, a Mammalian Protein that Promotes Apoptosis by Binding to and Antagonizing IAP Proteins. Cell, 2000, 102, 43-53.	28.9	2,191
2	Exosomes: Extracellular organelles important in intercellular communication. Journal of Proteomics, 2010, 73, 1907-1920.	2.4	2,087
3	FunRich: An open access standalone functional enrichment and interaction network analysis tool. Proteomics, 2015, 15, 2597-2601.	2.2	1,145
4	Vesiclepedia: A Compendium for Extracellular Vesicles with Continuous Community Annotation. PLoS Biology, 2012, 10, e1001450.	5.6	1,064
5	Soil Microorganisms Mediating Phosphorus Availability Update on Microbial Phosphorus. Plant Physiology, 2011, 156, 989-996.	4.8	1,059
6	Extracellular vesicles in cancer â€" implications for future improvements in cancer care. Nature Reviews Clinical Oncology, 2018, 15, 617-638.	27.6	1,020
7	Comparison of ultracentrifugation, density gradient separation, and immunoaffinity capture methods for isolating human colon cancer cell line LIM1863-derived exosomes. Methods, 2012, 56, 293-304.	3.8	943
8	Exosomes: proteomic insights and diagnostic potential. Expert Review of Proteomics, 2009, 6, 267-283.	3.0	935
9	ExoCarta 2012: database of exosomal proteins, RNA and lipids. Nucleic Acids Research, 2012, 40, D1241-D1244.	14.5	893
10	Proteomic profiling of exosomes: Current perspectives. Proteomics, 2008, 8, 4083-4099.	2.2	767
11	Overview of the HUPO Plasma Proteome Project: Results from the pilot phase with 35â€‰collaborating laboratories and multiple analytical groups, generating a core dataset of 3020â€‰proteins and a publiclyâ€available database. Proteomics, 2005, 5, 3226-3245.	2.2	766
12	ExoCarta: A compendium of exosomal proteins and RNA. Proteomics, 2009, 9, 4997-5000.	2.2	756
13	A common open representation of mass spectrometry data and its application to proteomics research. Nature Biotechnology, 2004, 22, 1459-1466.	17.5	724
14	Plant and microbial strategies to improve the phosphorus efficiency of agriculture. Plant and Soil, 2011, 349, 121-156.	3.7	678
15	Extracellular vesicle isolation and characterization: toward clinical application. Journal of Clinical Investigation, 2016, 126, 1152-1162.	8.2	667
16	A Protocol for Exosome Isolation and Characterization: Evaluation of Ultracentrifugation, Density-Gradient Separation, and Immunoaffinity Capture Methods. Methods in Molecular Biology, 2015, 1295, 179-209.	0.9	512
17	Comparative proteomics evaluation of plasma exosome isolation techniques and assessment of the stability of exosomes in normal human blood plasma. Proteomics, 2013, 13, 3354-3364.	2.2	501
18	Proteomics Analysis of A33 Immunoaffinity-purified Exosomes Released from the Human Colon Tumor Cell Line LIM1215 Reveals a Tissue-specific Protein Signature. Molecular and Cellular Proteomics, 2010, 9, 197-208.	3.8	496

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19	Exosomes and their roles in immune regulation and cancer. Seminars in Cell and Developmental Biology, 2015, 40, 72-81.	5.0	488
20	HtrA2 Promotes Cell Death through Its Serine Protease Activity and Its Ability to Antagonize Inhibitor of Apoptosis Proteins. Journal of Biological Chemistry, 2002, 277, 445-454.	3.4	484
21	PRMT5-mediated methylation of histone H4R3 recruits DNMT3A, coupling histone and DNA methylation in gene silencing. Nature Structural and Molecular Biology, 2009, 16, 304-311.	8.2	451
22	Evidence That the Angiotensin IV (AT4) Receptor Is the Enzyme Insulin-regulated Aminopeptidase. Journal of Biological Chemistry, 2001, 276, 48623-48626.	3.4	398
23	Plant mechanisms to optimise access to soil phosphorus. Crop and Pasture Science, 2009, 60, 124.	1.5	367
24	Two Distinct Populations of Exosomes Are Released from LIM1863 Colon Carcinoma Cell-derived Organoids. Molecular and Cellular Proteomics, 2013, 12, 587-598.	3.8	354
25	Interleukinâ€6: Structureâ€function relationships. Protein Science, 1997, 6, 929-955.	7.6	347
26	Strategies and agronomic interventions to improve the phosphorus-use efficiency of farming systems. Plant and Soil, 2011, 349, 89-120.	3.7	343
27	An evaluation, comparison, and accurate benchmarking of several publicly available MS/MS search algorithms: Sensitivity and specificity analysis. Proteomics, 2005, 5, 3475-3490.	2.2	332
28	EVpedia: a community web portal for extracellular vesicles research. Bioinformatics, 2015, 31, 933-939.	4.1	317
29	Guidelines for the next 10 years of proteomics. Proteomics, 2006, 6, 4-8.	2.2	314
30	ExoCarta as a resource for exosomal research. Journal of Extracellular Vesicles, 2012, 1, .	12.2	314
31	Proteome profiling of exosomes derived from human primary and metastatic colorectal cancer cells reveal differential expression of key metastatic factors and signal transduction components. Proteomics, 2013, 13, 1672-1686.	2.2	296
32	An aspartyl protease directs malaria effector proteins to the host cell. Nature, 2010, 463, 627-631.	27.8	289
33	Biosynthesis of Vascular Endothelial Growth Factor-D Involves Proteolytic Processing Which Generates Non-covalent Homodimers. Journal of Biological Chemistry, 1999, 274, 32127-32136.	3.4	281
34	Plasma Proteome Database as a resource for proteomics research: 2014 update. Nucleic Acids Research, 2014, 42, D959-D965.	14.5	273
35	Mining a Tandem Mass Spectrometry Database To Determine the Trends and Global Factors Influencing Peptide Fragmentation. Analytical Chemistry, 2003, 75, 6251-6264.	6.5	247
36	The Disulfide Bond Structure of Plasmodium Apical Membrane Antigen-1. Journal of Biological Chemistry, 1996, 271, 29446-29452.	3.4	236

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37	Highly-purified exosomes and shed microvesicles isolated from the human colon cancer cell line LIM1863 by sequential centrifugal ultrafiltration are biochemically and functionally distinct. Methods, 2015, 87, 11-25.	3.8	205
38	Human Endometrial Exosomes Contain Hormone-Specific Cargo Modulating Trophoblast Adhesive Capacity: Insights into Endometrial-Embryo Interactions1. Biology of Reproduction, 2016, 94, 38.	2.7	198
39	C-terminal Extension of Truncated Recombinant Proteins in Escherichia coli with a 10Sa RNA Decapeptide. Journal of Biological Chemistry, 1995, 270, 9322-9326.	3.4	197
40	Emerging roles of exosomes during epithelialâ€“mesenchymal transition and cancer progression. Seminars in Cell and Developmental Biology, 2015, 40, 60-71.	5.0	190
41	Deep Sequencing of RNA from Three Different Extracellular Vesicle (EV) Subtypes Released from the Human LIM1863 Colon Cancer Cell Line Uncovers Distinct Mirna-Enrichment Signatures. PLoS ONE, 2014, 9, e110314.	2.5	181
42	Oncogenic H-Ras Reprograms Madin-Darby Canine Kidney (MDCK) Cell-derived Exosomal Proteins Following Epithelial-Mesenchymal Transition. Molecular and Cellular Proteomics, 2013, 12, 2148-2159.	3.8	167
43	Role of the Plasmodium Export Element in Trafficking Parasite Proteins to the Infected Erythrocyte. Traffic, 2009, 10, 285-299.	2.7	164
44	Human Proteinpedia enables sharing of human protein data. Nature Biotechnology, 2008, 26, 164-167.	17.5	155
45	Transgenic barley (Hordeum vulgare L.) expressing the wheat aluminium resistance gene (TaALMT1) shows enhanced phosphorus nutrition and grain production when grown on an acid soil. Plant Biotechnology Journal, 2009, 7, 391-400.	8.3	149
46	Nitrogen redistribution during grain growth in wheat (Triticum aestivum L.). Planta, 1980, 149, 241-251.	3.2	142
47	Cloning sequencing ofLol pI, the major allergenic protein of rye-grass pollen. FEBS Letters, 1991, 279, 210-215.	2.8	138
48	Proteomic insights into extracellular vesicle biology â€“ defining exosomes and shed microvesicles. Expert Review of Proteomics, 2017, 14, 69-95.	3.0	135
49	SOCS-6 Binds to Insulin Receptor Substrate 4, and Mice Lacking the SOCS-6 Gene Exhibit Mild Growth Retardation. Molecular and Cellular Biology, 2002, 22, 4567-4578.	2.3	133
50	Identification, Purification, and Characterization of a Soluble Interleukin (IL)-13-binding Protein. Journal of Biological Chemistry, 1997, 272, 9474-9480.	3.4	132
51	Rat epidermal growth factor: complete amino acid sequence. Homology with the correspondence murine and human proteins; isolation of a form truncated at both ends with full in vitro biological activity. FEBS Journal, 1985, 153, 629-637.	0.2	129
52	Restoration of full-length adenomatous polyposis coli (APC) protein in a colon cancer cell line enhances cell adhesion. Journal of Cell Science, 2004, 117, 427-439.	2.0	123
53	Translocation of nitrogen in a vegetative wheat plant (Triticum aestivum). Physiologia Plantarum, 1982, 56, 11-17.	5.2	120
54	Micropreparative procedures for high sensitivity sequencing of peptides and proteins. Analytical Biochemistry, 1989, 177, 221-236.	2.4	119

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55	Comprehensive Lipidome Profiling of Isogenic Primary and Metastatic Colon Adenocarcinoma Cell Lines. Analytical Chemistry, 2012, 84, 8917-8926.	6.5	119
56	A Proteome Strategy for Fractionating Proteins and Peptides Using Continuous Free-Flow Electrophoresis Coupled Off-Line to Reversed-Phase High-Performance Liquid Chromatography. Analytical Chemistry, 2004, 76, 4811-4824.	6.5	115
57	Nitrogen redistribution during grain growth in wheat (Triticum aestivum L.). Planta, 1981, 151, 447-456.	3.2	111
58	S-Pyridylethylation of intact polyacrylamide gels andin situ digestion of electrophoretically separated proteins: A rapid mass spectrometric method for identifying cysteine-containing peptides. Electrophoresis, 1996, 17, 907-917.	2.4	111
59	Purification and analysis of an extremely halophilic Î²-galactosidase from Haloferax alicantei. BBA - Proteins and Proteomics, 1997, 1337, 276-286.	2.1	104
60	Characterization of an Antagonist Interleukin-6 Dimer by Stable Isotope Labeling, Cross-linking, and Mass Spectrometry. Journal of Biological Chemistry, 2002, 277, 46487-46492.	3.4	103
61	A centrifugal ultrafiltration strategy for isolating the low-molecular weight (â‰25K) component of human plasma proteome. Journal of Proteomics, 2010, 73, 637-648.	2.4	103
62	A mass spectrometric and ab initio study of the pathways for dehydration of simple glycine and cysteine-containing peptide [M+H]+ ions. Journal of the American Society for Mass Spectrometry, 1998, 9, 945-956.	2.8	102
63	EVpedia: A community web resource for prokaryotic and eukaryotic extracellular vesicles research. Seminars in Cell and Developmental Biology, 2015, 40, 4-7.	5.0	99
64	Purification and Structural Characterization of a Filamentous, Mucin-like Proteophosphoglycan Secreted by Leishmania Parasites. Journal of Biological Chemistry, 1996, 271, 21583-21596.	3.4	97
65	Complex Forms of Soil Organic Phosphorusâ€“A Major Component of Soil Phosphorus. Environmental Science & Technology, 2015, 49, 13238-13245.	10.0	97
66	Unwrapping the rhizosheath. Plant and Soil, 2017, 418, 129-139.	3.7	94
67	Proteomics-driven cancer biomarker discovery: looking to the future. Current Opinion in Chemical Biology, 2008, 12, 72-77.	6.1	93
68	Purification and characterization of human fibroblast-derived hybridoma growth factor identical to T-cell-derived B-cell stimulatory factor-2 (interleukin-6). FEBS Journal, 1987, 168, 543-550.	0.2	92
69	Leaving group and gas phase neighboring group effects in the side chain losses from protonated serine and its derivatives. Journal of the American Society for Mass Spectrometry, 2000, 11, 1047-1060.	2.8	91
70	Body fluid proteomics: Prospects for biomarker discovery. Proteomics - Clinical Applications, 2007, 1, 1004-1015.	1.6	91
71	House dust mite-derived amylase: Allergenicity and physicochemical characterization. Journal of Allergy and Clinical Immunology, 1991, 87, 1035-1042.	2.9	89
72	PHLDA1 Expression Marks the Putative Epithelial Stem Cells and Contributes to Intestinal Tumorigenesis. Cancer Research, 2011, 71, 3709-3719.	0.9	86

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73	Complete amino acid sequence of the goose-type lysozyme from the egg white of the black swan. Biochemistry, 1980, 19, 1814-1819.	2.5	85
74	Secreted primary human malignant mesothelioma exosome signature reflects oncogenic cargo. Scientific Reports, 2016, 6, 32643.	3.3	85
75	Molecular Cloning Reveals that the p160 Myb-Binding Protein Is a Novel, Predominantly Nucleolar Protein Which May Play a Role in Transactivation by Myb. Molecular and Cellular Biology, 1998, 18, 989-1002.	2.3	84
76	Effect of lime on root growth, morphology and the rhizosheath of cereal seedlings growing in an acid soil. Plant and Soil, 2010, 327, 199-212.	3.7	84
77	Identification of a PRMT5-dependent repressor complex linked to silencing of human fetal globin gene expression. Blood, 2010, 116, 1585-1592.	1.4	83
78	Root morphology, root-hair development and rhizosheath formation on perennial grass seedlings is influenced by soil acidity. Plant and Soil, 2010, 335, 457-468.	3.7	83
79	Structureâ€Function analysis of human ILâ€6: Identification of two distinct regions that are important for receptor binding. Protein Science, 1994, 3, 2280-2293.	7.6	81
80	Enzymic, Phylogenetic, and Structural Characterization of the Unusual Papain-like Protease Domain of Plasmodium falciparum SERA5. Journal of Biological Chemistry, 2003, 278, 48169-48177.	3.4	81
81	Extracellular vesicles: their role in cancer biology and epithelialâ€“mesenchymal transition. Biochemical Journal, 2017, 474, 21-45.	3.7	81
82	Two-dimensional electrophoretic analysis of proteins expressed by normal and cancerous human crypts: Application of mass spectrometry to peptide-mass fingerprinting. Electrophoresis, 1994, 15, 391-405.	2.4	79
83	Syntaxin 7 Complexes with Mouse Vps10p Tail Interactor 1b, Syntaxin 6, Vesicle-associated Membrane Protein (VAMP)8, and VAMP7 in B16 Melanoma Cells. Journal of Biological Chemistry, 2001, 276, 19820-19827.	3.4	79
84	Growth and translocation of C and N in wheat (Triticum aestivum) grown with a split root system. Physiologia Plantarum, 1982, 56, 421-429.	5.2	78
85	Effect of soil acidity, soil strength and macropores on root growth and morphology of perennial grass species differing in acidâ€soil resistance. Plant, Cell and Environment, 2011, 34, 444-456.	5.7	77
86	Human Microglial Cells Synthesize Albumin in Brain. PLoS ONE, 2008, 3, e2829.	2.5	76
87	Molecular cloning of cDNAs encoding the protein backbones of arabinogalactan-proteins from the filtrate of suspension-cultured cells of Pyrus communis and Nicotiana alata. Plant Journal, 1995, 8, 269-281.	5.7	74
88	Expression of an enzymatically active parasite molecule in Escherichia coli: Schistosoma japonicum glutathione S-transferase. Molecular and Biochemical Parasitology, 1988, 27, 249-256.	1.1	72
89	Statistical and Mechanistic Approaches to Understanding the Gas-Phase Fragmentation Behavior of Methionine Sulfoxide Containing Peptides. Journal of Proteome Research, 2004, 3, 751-759.	3.7	72
90	Transcriptome and long noncoding RNA sequencing of three extracellular vesicle subtypes released from the human colon cancer LIM1863 cell line. Scientific Reports, 2016, 6, 38397.	3.3	72

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91	A Protocol for Isolation and Proteomic Characterization of Distinct Extracellular Vesicle Subtypes by Sequential Centrifugal Ultrafiltration. Methods in Molecular Biology, 2017, 1545, 91-116.	0.9	72
92	Structural characterisation of native and recombinant forms of the neurotrophic cytokine MK. Journal of Chromatography A, 1993, 646, 213-225.	3.7	71
93	Use of a Biosensor with Surface Plasmon Resonance Detection for the Determination of Binding Constants: Measurement of Interleukin-6 Binding to the Soluble Interleukin-6 Receptor. Biochemistry, 1995, 34, 2901-2907.	2.5	70
94	Do longer root hairs improve phosphorus uptake? Testing the hypothesis with transgenic Brachypodium distachyon lines overexpressing endogenous <scp>RSL</scp> genes. New Phytologist, 2018, 217, 1654-1666.	7.3	68
95	Podoplanin is a component of extracellular vesicles that reprograms cell-derived exosomal proteins and modulates lymphatic vessel formation. Oncotarget, 2016, 7, 16070-16089.	1.8	67
96	The Immunoglobulin-like Module of gp130 Is Required for Signaling by Interleukin-6, but Not by Leukemia Inhibitory Factor. Journal of Biological Chemistry, 1998, 273, 22701-22707.	3.4	66
97	Secretome-Based Proteomic Profiling of Ras-Transformed MDCK Cells Reveals Extracellular Modulators of Epithelial-Mesenchymal Transition. Journal of Proteome Research, 2009, 8, 2827-2837.	3.7	66
98	YBX1/YB-1 induces partial EMT and tumourigenicity through secretion of angiogenic factors into the extracellular microenvironment. Oncotarget, 2015, 6, 13718-13730.	1.8	66
99	Extracellular Vesicles in the Intrauterine Environment: Challenges and Potential Functions. Biology of Reproduction, 2016, 95, 109-109.	2.7	65
100	Use of scanning diode array detector with reversed-phase microbore columns for the real-time spectral analysis of aromatic amino acids in peptides and proteins at the subsmicrogram level. Journal of Chromatography A, 1986, 352, 359-368.	3.7	64
101	Extracellular Microvesicles: The Need for Internationally Recognised Nomenclature and Stringent Purification Criteria. Journal of Proteomics and Bioinformatics, 2012, 05, .	0.4	64
102	STAT3 Forms Stable Homodimers in the Presence of Divalent Cations Prior to Activation. Biochemical and Biophysical Research Communications, 1998, 247, 558-563.	2.1	62
103	Difference gel electrophoresis analysis of Rasâ€transformed fibroblast cellâ€derived exosomes. Electrophoresis, 2008, 29, 2660-2671.	2.4	62
104	Root morphological traits that determine phosphorus-acquisition efficiency and critical external phosphorus requirement in pasture species. Functional Plant Biology, 2016, 43, 815.	2.1	62
105	Murine epidermal growth factor: structure and function. Biochemistry, 1988, 27, 4977-4985.	2.5	61
106	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) induces cancer cell senescence by interacting with telomerase RNA component. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13308-13313.	7.1	60
107	Kinetin application to roots and its effect on uptake, translocation and distribution of nitrogen in wheat (Triticum aestivum) grown with a split root system. Physiologia Plantarum, 1982, 56, 430-435.	5.2	59
108	A high-performance liquid chromatography procedure for recovering subnanomole amounts of protein from SDS-gel electroeluates for gas-phase sequence analysis. FEBS Journal, 1987, 165, 21-29.	0.2	58

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109	Application of capillary reversed-phase high-performance liquid chromatography to high-sensitivity protein sequence analysis. Journal of Chromatography A, 1992, 599, 119-130.	3.7	57
110	Molecular Cloning and Expression of cDNA Encoding the Rat UDP-N-Acetylglucosamine:Î±-6-D-Mannoside Î²-1,2-N-Acetylglucosaminyltransferase II. Journal of Biological Chemistry, 1995, 270, 15211-15221.	3.4	57
111	Selective identification and quantitative analysis of methionine containing peptides by charge derivatization and tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2005, 16, 1131-1150.	2.8	56
112	Oncogenic epithelial cell-derived exosomes containing Rac1 and PAK2 induce angiogenesis in recipient endothelial cells. Oncotarget, 2016, 7, 19709-19722.	1.8	56
113	Complete amino acid sequence of tenebrosin-C, a cardiac stimulatory and haemolytic protein from the sea anemone Actinia tenebrosa. FEBS Journal, 1990, 190, 319-328.	0.2	55
114	Influence of Interleukin-6 (IL-6) Dimerization on Formation of the High Affinity Hexameric IL-6Â·Receptor Complex. Journal of Biological Chemistry, 1996, 271, 20138-20144.	3.4	55
115	A two-dimensional gel database of human colon carcinoma proteins. Electrophoresis, 1997, 18, 605-613.	2.4	55
116	Direct measurement of roots in soil for single and mixed species using a quantitative DNA-based method. Plant and Soil, 2011, 348, 123-137.	3.7	55
117	Management of soil phosphorus fertility determines the phosphorus budget of a temperate grazing system and is the key to improving phosphorus efficiency. Agriculture, Ecosystems and Environment, 2015, 212, 263-277.	5.3	55
118	Identification and Characterization of Two Distinct Truncated Forms of gp130 and a Soluble Form of Leukemia Inhibitory Factor Receptor Î±-Chain in Normal Human Urine and Plasma. Journal of Biological Chemistry, 1998, 273, 10798-10805.	3.4	54
119	Application of 2-D free-flow electrophoresis/RP-HPLC for proteomic analysis of human plasma depleted of multi high-abundance proteins. Proteomics, 2005, 5, 3402-3413.	2.2	54
120	Extracellular Remodelling During Oncogenic Ras-Induced Epithelial-Mesenchymal Transition Facilitates MDCK Cell Migration. Journal of Proteome Research, 2010, 9, 1007-1019.	3.7	54
121	Identifying mutated proteins secreted by colon cancer cell lines using mass spectrometry. Journal of Proteomics, 2012, 76, 141-149.	2.4	54
122	Characterization of a recombinant murine interleukin-6: Assignment of disulfide bonds. Biochemical and Biophysical Research Communications, 1988, 157, 364-372.	2.1	53
123	Pasture plants and soil fertility management to improve the efficiency of phosphorus fertiliser use in temperate grassland systems. Crop and Pasture Science, 2014, 65, 556.	1.5	53
124	Limitations to the Potential of Transgenic Trifolium subterraneum L. Plants that Exude Phytase when Grown in Soils with a Range of Organic P Content. Plant and Soil, 2005, 278, 263-274.	3.7	51
125	The antimalarial drug, chloroquine, interacts with lactate dehydrogenase from Plasmodium falciparum. Molecular and Biochemical Parasitology, 1997, 88, 215-224.	1.1	50
126	Two-dimensional electrophoretic analysis of human breast carcinoma proteins: Mapping of proteins that bind to the SH3 domain of mixed lineage kinase MLK2. Electrophoresis, 1997, 18, 588-598.	2.4	50

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127	Complete Nucleotide Sequence, Expression, and Chromosomal Localisation of Human Mixed-Lineage Kinase 2. FEBS Journal, 1995, 234, 492-500.	0.2	49
128	Purification and characterization of a recombinant murine interleukin-6. Isolation of N- and C-terminally truncated forms. FEBS Journal, 1992, 207, 903-913.	0.2	48
129	Proteomics Profiling of Madin-Darby Canine Kidney Plasma Membranes Reveals Wnt-5a Involvement during Oncogenic H-Ras/TGF-Î²-mediated Epithelial-Mesenchymal Transition. Molecular and Cellular Proteomics, 2011, 10, S1-S15.	3.8	47
130	International blood collection and storage: Clinical use of blood products. Journal of Proteomics, 2010, 73, 386-395.	2.4	46
131	Growth and root dry matter allocation by pasture legumes and a grass with contrasting external critical phosphorus requirements. Plant and Soil, 2016, 407, 67-79.	3.7	46
132	Internal amino acid sequecing of proteins by in situ cyanogen bromide cleavage in polyacrylamide gels. Biochemical and Biophysical Research Communications, 1990, 166, 139-145.	2.1	45
133	TDP-43 stabilises the processing intermediates of mitochondrial transcripts. Scientific Reports, 2017, 7, 7709.	3.3	45
134	A microbore high-performance liquid chromatography strategy for the purification of polypeptides for gas-phase sequence analysis. Structural studies on the murine transferrin receptor. FEBS Journal, 1985, 148, 485-491.	0.2	44
135	Colon Cancer Cells Adhesion and Spreading on Autocrine Laminin-10 Is Mediated by Multiple Integrin Receptors and Modulated by EGF Receptor Stimulation. Experimental Cell Research, 2000, 261, 360-371.	2.6	44
136	Liquid-based free-flow electrophoresisâ€“reversed-phase HPLC: a proteomic tool. Nature Methods, 2005, 2, 863-873.	19.0	44
137	Accumulation and phosphatase-lability of organic phosphorus in fertilised pasture soils. Australian Journal of Agricultural Research, 2007, 58, 47.	1.5	43
138	Towards understanding epithelialâ€“mesenchymal transition: A proteomics perspective. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1325-1331.	2.3	43
139	Stabilization of Proteins for Storage. Cold Spring Harbor Protocols, 2010, 2010, pdb.top79.	0.3	43
140	Purification and characterisation of proteins with cardiac stimulatory and haemolytic activity from the anemone Actinia tenebrosa. Toxicon, 1990, 28, 29-41.	1.6	42
141	Characterization of Posttranslational Modifications of Human A33 Antigen, a Novel Palmitoylated Surface Glycoprotein of Human Gastrointestinal Epithelium. Biochemical and Biophysical Research Communications, 1997, 236, 682-686.	2.1	42
142	Ankyrin Repeat and Suppressors of Cytokine Signaling Box Protein Asb-9 Targets Creatine Kinase B for Degradation. Journal of Biological Chemistry, 2007, 282, 4728-4737.	3.4	42
143	Disruption of Cultured Cells by Nitrogen Cavitation: Figure 1.. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5513.	0.3	42
144	Gesicles: Microvesicle â€œCookiesâ€•for Transient Information Transfer Between Cells. Molecular Therapy, 2011, 19, 1574-1576.	8.2	42

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145	Triton X-114 phase separation in the isolation and purification of mouse liver microsomal membrane proteins. Methods, 2011, 54, 396-406.	3.8	41
146	Contribution of cells undergoing epithelialâ€“mesenchymal transition to the tumour microenvironment. Journal of Proteomics, 2013, 78, 545-557.	2.4	41
147	Modulating the endometrial epithelial proteome and secretome in preparation for pregnancy: The role of ovarian steroid and pregnancy hormones. Journal of Proteomics, 2016, 144, 99-112.	2.4	41
148	Development of a database of amino acid sequences for human colon carcinoma proteins separated by two-dimensional polyacrylamide gel electrophoresis. Electrophoresis, 1990, 11, 883-891.	2.4	40
149	Peptide mapping and internal sequencing of proteins electroblotted from two-dimensional gels onto polyvinylidene difluoride membranes. Journal of Chromatography A, 1989, 476, 345-361.	3.7	39
150	Automated solid-phase peptide synthesis: Use of 2-(1H-benzotriazol-1-yl)-1,1,3,3,-tetramethyluronium tetrafluoroborate for coupling of ert- butyloxycarbonyl amino acids. Analytical Biochemistry, 1992, 200, 301-309.	2.4	39
151	Capillary HPLC: A Method for Protein Isolation and Peptide Mapping. Methods, 1994, 6, 213-226.	3.8	39
152	Miniaturized asymmetrical flow field-flow fractionation: Application to biological vesicles. Journal of Separation Science, 2007, 30, 1082-1087.	2.5	38
153	Comparison of human platelet membraneâ€cytoskeletal proteins with the plasma proteome: Towards understanding the plateletâ€plasma nexus. Proteomics - Clinical Applications, 2008, 2, 63-77.	1.6	38
154	Proteomic Comparison of 3D and 2D Glioma Models Reveals Increased HLA-E Expression in 3D Models is Associated with Resistance to NK Cell-Mediated Cytotoxicity. Journal of Proteome Research, 2014, 13, 2272-2281.	3.7	38
155	Rhizosphere carboxylates and morphological root traits in pasture legumes and grasses. Plant and Soil, 2016, 402, 77-89.	3.7	38
156	Rapid separation of proteins and peptides using conventional silica-based supports: Identification of 2-D gel proteins following in-gel proteolysis. Techniques in Protein Chemistry, 1995, 6, 311-319.	0.3	37
157	The Phosphoprotein StarD10 Is Overexpressed in Breast Cancer and Cooperates with ErbB Receptors in Cellular Transformation. Cancer Research, 2004, 64, 3538-3544.	0.9	37
158	Isolation of Extracellular Membranous Vesicles for Proteomic Analysis. Methods in Molecular Biology, 2009, 528, 227-242.	0.9	37
159	Complete amino acid sequence of plastocyanin from a green alga, Enteromorpha prolifera. FEBS Journal, 1986, 157, 497-506.	0.2	36
160	Olig2-Induced Neural Stem Cell Differentiation Involves Downregulation of Wnt Signaling and Induction of Dickkopf-1 Expression. PLoS ONE, 2008, 3, e3917.	2.5	36
161	An assessment of various measures of soil phosphorus and the net accumulation of phosphorus in fertilized soils under pasture. Journal of Plant Nutrition and Soil Science, 2015, 178, 543-554.	1.9	36
162	Strategies for internal amino acid sequence analysis of proteins separated by polyacrylamide gel electrophoresis. Journal of Chromatography A, 1990, 519, 199-216.	3.7	35

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