

# Richard J Simpson

## List of Publications by Citations

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323  
papers

29,165  
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74  
h-index

164  
g-index

337  
ext. papers

32,627  
ext. citations

5.4  
avg, IF

7.11  
L-index

#	Paper	IF	Citations
323	Identification of DIABLO, a mammalian protein that promotes apoptosis by binding to and antagonizing IAP proteins. <i>Cell</i> , <b>2000</b> , 102, 43-53	56.2	2005
322	Exosomes: extracellular organelles important in intercellular communication. <i>Journal of Proteomics</i> , <b>2010</b> , 73, 1907-20	3.9	1688
321	Vesiclepedia: a compendium for extracellular vesicles with continuous community annotation. <i>PLoS Biology</i> , <b>2012</b> , 10, e1001450	9.7	800
320	Exosomes: proteomic insights and diagnostic potential. <i>Expert Review of Proteomics</i> , <b>2009</b> , 6, 267-83	4.2	760
319	Soil microorganisms mediating phosphorus availability update on microbial phosphorus. <i>Plant Physiology</i> , <b>2011</b> , 156, 989-96	6.6	745
318	FunRich: An open access standalone functional enrichment and interaction network analysis tool. <i>Proteomics</i> , <b>2015</b> , 15, 2597-601	4.8	735
317	Comparison of ultracentrifugation, density gradient separation, and immunoaffinity capture methods for isolating human colon cancer cell line LIM1863-derived exosomes. <i>Methods</i> , <b>2012</b> , 56, 293-304	4.6	722
316	ExoCarta 2012: database of exosomal proteins, RNA and lipids. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, D1241-40.1	4.0	715
315	Overview of the HUPO Plasma Proteome Project: results from the pilot phase with 35 collaborating laboratories and multiple analytical groups, generating a core dataset of 3020 proteins and a publicly-available database. <i>Proteomics</i> , <b>2005</b> , 5, 3226-45	4.8	672
314	Proteomic profiling of exosomes: current perspectives. <i>Proteomics</i> , <b>2008</b> , 8, 4083-99	4.8	651
313	Extracellular vesicles in cancer - implications for future improvements in cancer care. <i>Nature Reviews Clinical Oncology</i> , <b>2018</b> , 15, 617-638	19.4	638
312	A common open representation of mass spectrometry data and its application to proteomics research. <i>Nature Biotechnology</i> , <b>2004</b> , 22, 1459-66	44.5	632
311	ExoCarta: A compendium of exosomal proteins and RNA. <i>Proteomics</i> , <b>2009</b> , 9, 4997-5000	4.8	626
310	Plant and microbial strategies to improve the phosphorus efficiency of agriculture. <i>Plant and Soil</i> , <b>2011</b> , 349, 121-156	4.2	532
309	Extracellular vesicle isolation and characterization: toward clinical application. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 1152-62	15.9	467
308	HtrA2 promotes cell death through its serine protease activity and its ability to antagonize inhibitor of apoptosis proteins. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 445-54	5.4	424
307	Proteomics analysis of A33 immunoaffinity-purified exosomes released from the human colon tumor cell line LIM1215 reveals a tissue-specific protein signature. <i>Molecular and Cellular Proteomics</i> , <b>2010</b> , 9, 197-208	7.6	421

306	Comparative proteomics evaluation of plasma exosome isolation techniques and assessment of the stability of exosomes in normal human blood plasma. <i>Proteomics</i> , <b>2013</b> , 13, 3354-64	4.8	397
305	PRMT5-mediated methylation of histone H4R3 recruits DNMT3A, coupling histone and DNA methylation in gene silencing. <i>Nature Structural and Molecular Biology</i> , <b>2009</b> , 16, 304-311	17.6	385
304	Exosomes and their roles in immune regulation and cancer. <i>Seminars in Cell and Developmental Biology</i> , <b>2015</b> , 40, 72-81	7.5	378
303	A protocol for exosome isolation and characterization: evaluation of ultracentrifugation, density-gradient separation, and immunoaffinity capture methods. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1295, 179-209	1.4	374
302	Evidence that the angiotensin IV (AT(4)) receptor is the enzyme insulin-regulated aminopeptidase. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 48623-6	5.4	361
301	An evaluation, comparison, and accurate benchmarking of several publicly available MS/MS search algorithms: sensitivity and specificity analysis. <i>Proteomics</i> , <b>2005</b> , 5, 3475-90	4.8	309
300	Guidelines for the next 10 years of proteomics. <i>Proteomics</i> , <b>2006</b> , 6, 4-8	4.8	297
299	Interleukin-6: structure-function relationships. <i>Protein Science</i> , <b>1997</b> , 6, 929-55	6.3	295
298	Two distinct populations of exosomes are released from LIM1863 colon carcinoma cell-derived organoids. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 587-98	7.6	287
297	Plant mechanisms to optimise access to soil phosphorus. <i>Crop and Pasture Science</i> , <b>2009</b> , 60, 124	2.2	281
296	Strategies and agronomic interventions to improve the phosphorus-use efficiency of farming systems. <i>Plant and Soil</i> , <b>2011</b> , 349, 89-120	4.2	262
295	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , <b>2015</b> , 31, 933-9	7.2	256
294	Proteome profiling of exosomes derived from human primary and metastatic colorectal cancer cells reveal differential expression of key metastatic factors and signal transduction components. <i>Proteomics</i> , <b>2013</b> , 13, 1672-86	4.8	255
293	Biosynthesis of vascular endothelial growth factor-D involves proteolytic processing which generates non-covalent homodimers. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 32127-36	5.4	255
292	ExoCarta as a resource for exosomal research. <i>Journal of Extracellular Vesicles</i> , <b>2012</b> , 1,	16.4	240
291	An aspartyl protease directs malaria effector proteins to the host cell. <i>Nature</i> , <b>2010</b> , 463, 627-31	50.4	233
290	Mining a tandem mass spectrometry database to determine the trends and global factors influencing peptide fragmentation. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 6251-64	7.8	231
289	Plasma Proteome Database as a resource for proteomics research: 2014 update. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, D959-65	20.1	212

288	The disulfide bond structure of Plasmodium apical membrane antigen-1. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 29446-52	5.4	201
287	C-terminal extension of truncated recombinant proteins in Escherichia coli with a 10Sa RNA decapeptide. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 9322-6	5.4	174
286	Highly-purified exosomes and shed microvesicles isolated from the human colon cancer cell line LIM1863 by sequential centrifugal ultrafiltration are biochemically and functionally distinct. <i>Methods</i> , <b>2015</b> , 87, 11-25	4.6	161
285	Emerging roles of exosomes during epithelial-mesenchymal transition and cancer progression. <i>Seminars in Cell and Developmental Biology</i> , <b>2015</b> , 40, 60-71	7.5	148
284	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. <i>PLoS ONE</i> , <b>2014</b> , 9, e110314	3.7	146
283	Human Endometrial Exosomes Contain Hormone-Specific Cargo Modulating Trophoblast Adhesive Capacity: Insights into Endometrial-Embryo Interactions. <i>Biology of Reproduction</i> , <b>2016</b> , 94, 38	3.9	140
282	Human Proteinpedia enables sharing of human protein data. <i>Nature Biotechnology</i> , <b>2008</b> , 26, 164-7	44.5	138
281	Oncogenic H-ras reprograms Madin-Darby canine kidney (MDCK) cell-derived exosomal proteins following epithelial-mesenchymal transition. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 2148-59	7.6	134
280	Role of the Plasmodium export element in trafficking parasite proteins to the infected erythrocyte. <i>Traffic</i> , <b>2009</b> , 10, 285-99	5.7	132
279	Nitrogen redistribution during grain growth in wheat ( <i>Triticum aestivum</i> L.) : II. Chloroplast senescence and the degradation of ribulose-1,5-bisphosphate carboxylase. <i>Planta</i> , <b>1980</b> , 149, 241-51	4.7	131
278	SOCS-6 binds to insulin receptor substrate 4, and mice lacking the SOCS-6 gene exhibit mild growth retardation. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 4567-78	4.8	126
277	Transgenic barley ( <i>Hordeum vulgare</i> L.) expressing the wheat aluminium resistance gene (TaALMT1) shows enhanced phosphorus nutrition and grain production when grown on an acid soil. <i>Plant Biotechnology Journal</i> , <b>2009</b> , 7, 391-400	11.6	120
276	Cloning and sequencing of Lol pl, the major allergenic protein of rye-grass pollen. <i>FEBS Letters</i> , <b>1991</b> , 279, 210-5	3.8	118
275	Identification, purification, and characterization of a soluble interleukin (IL)-13-binding protein. Evidence that it is distinct from the cloned IL-13 receptor and IL-4 receptor alpha-chains. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 9474-80	5.4	115
274	Rat epidermal growth factor: complete amino acid sequence. Homology with the corresponding murine and human proteins; isolation of a form truncated at both ends with full in vitro biological activity. <i>FEBS Journal</i> , <b>1985</b> , 153, 629-37		110
273	Restoration of full-length adenomatous polyposis coli (APC) protein in a colon cancer cell line enhances cell adhesion. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 427-39	5.3	109
272	Translocation of nitrogen in a vegetative wheat plant ( <i>Triticum aestivum</i> ). <i>Physiologia Plantarum</i> , <b>1982</b> , 56, 11-17	4.6	109
271	Micropreparative procedures for high sensitivity sequencing of peptides and proteins. <i>Analytical Biochemistry</i> , <b>1989</b> , 177, 221-36	3.1	108

270	A proteome strategy for fractionating proteins and peptides using continuous free-flow electrophoresis coupled off-line to reversed-phase high-performance liquid chromatography. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 4811-24	7.8	105
269	S-pyridylethylation of intact polyacrylamide gels and in situ digestion of electrophoretically separated proteins: a rapid mass spectrometric method for identifying cysteine-containing peptides. <i>Electrophoresis</i> , <b>1996</b> , 17, 907-17	3.6	102
268	Comprehensive lipidome profiling of isogenic primary and metastatic colon adenocarcinoma cell lines. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 8917-26	7.8	98
267	A mass spectrometric and ab initio study of the pathways for dehydration of simple glycine and cysteine-containing peptide [M+H] <sup>+</sup> ions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>1998</b> , 9, 945-956	3.5	96
266	Characterization of an antagonist interleukin-6 dimer by stable isotope labeling, cross-linking, and mass spectrometry. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 46487-92	5.4	94
265	Nitrogen redistribution during grain growth in wheat ( <i>Triticum aestivum</i> L.) : III. Enzymology and transport of amino acids from senescing flag leaves. <i>Planta</i> , <b>1981</b> , 151, 447-56	4.7	94
264	Proteomic insights into extracellular vesicle biology - defining exosomes and shed microvesicles. <i>Expert Review of Proteomics</i> , <b>2017</b> , 14, 69-95	4.2	89
263	Purification and analysis of an extremely halophilic beta-galactosidase from <i>Haloferax alicantei</i> . <i>BBA - Proteins and Proteomics</i> , <b>1997</b> , 1337, 276-86		89
262	Proteomics-driven cancer biomarker discovery: looking to the future. <i>Current Opinion in Chemical Biology</i> , <b>2008</b> , 12, 72-7	9.7	88
261	A centrifugal ultrafiltration strategy for isolating the low-molecular weight (. <i>Journal of Proteomics</i> , <b>2010</b> , 73, 637-48	3.9	83
260	Leaving group and gas phase neighboring group effects in the side chain losses from protonated serine and its derivatives. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2000</b> , 11, 1047-60	3.5	83
259	Purification and structural characterization of a filamentous, mucin-like proteophosphoglycan secreted by <i>Leishmania</i> parasites. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 21583-96	5.4	83
258	Purification and characterization of human fibroblast-derived hybridoma growth factor identical to T-cell-derived B-cell stimulatory factor-2 (interleukin-6). <i>FEBS Journal</i> , <b>1987</b> , 168, 543-50		83
257	House dust mite-derived amylase: allergenicity and physicochemical characterization. <i>Journal of Allergy and Clinical Immunology</i> , <b>1991</b> , 87, 1035-42	11.5	81
256	Body fluid proteomics: Prospects for biomarker discovery. <i>Proteomics - Clinical Applications</i> , <b>2007</b> , 1, 1004-15	4.15	78
255	Complete amino acid sequence of the goose-type lysozyme from the egg white of the black swan. <i>Biochemistry</i> , <b>1980</b> , 19, 1814-9	3.2	78
254	Enzymic, phylogenetic, and structural characterization of the unusual papain-like protease domain of <i>Plasmodium falciparum</i> SERA5. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 48169-77	5.4	77
253	Complex Forms of Soil Organic Phosphorus-A Major Component of Soil Phosphorus. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13238-45	10.3	76

252	Molecular cloning reveals that the p160 Myb-binding protein is a novel, predominantly nucleolar protein which may play a role in transactivation by Myb. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 989-1002	4.8	76
251	Identification of a PRMT5-dependent repressor complex linked to silencing of human fetal globin gene expression. <i>Blood</i> , <b>2010</b> , 116, 1585-92	2.2	74
250	Structure-function analysis of human IL-6: identification of two distinct regions that are important for receptor binding. <i>Protein Science</i> , <b>1994</b> , 3, 2280-93	6.3	74
249	EVpedia: A community web resource for prokaryotic and eukaryotic extracellular vesicles research. <i>Seminars in Cell and Developmental Biology</i> , <b>2015</b> , 40, 4-7	7.5	72
248	Growth and translocation of C and N in wheat ( <i>Triticum aestivum</i> ) grown with a split root system. <i>Physiologia Plantarum</i> , <b>1982</b> , 56, 421-429	4.6	72
247	Molecular cloning of cDNAs encoding the protein backbones of arabinogalactan-proteins from the filtrate of suspension-cultured cells of <i>Pyrus communis</i> and <i>Nicotiana glauca</i> . <i>Plant Journal</i> , <b>1995</b> , 8, 269-81	6.9	71
246	Two-dimensional electrophoretic analysis of proteins expressed by normal and cancerous human crypts: application of mass spectrometry to peptide-mass fingerprinting. <i>Electrophoresis</i> , <b>1994</b> , 15, 391-405	3.6	71
245	Statistical and mechanistic approaches to understanding the gas-phase fragmentation behavior of methionine sulfoxide containing peptides. <i>Journal of Proteome Research</i> , <b>2004</b> , 3, 751-9	5.6	70
244	Secreted primary human malignant mesothelioma exosome signature reflects oncogenic cargo. <i>Scientific Reports</i> , <b>2016</b> , 6, 32643	4.9	68
243	Syntaxin 7 complexes with mouse Vps10p tail interactor 1b, syntaxin 6, vesicle-associated membrane protein (VAMP)8, and VAMP7 in b16 melanoma cells. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 19820-7	5.4	67
242	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. <i>Biochemistry</i> , <b>1995</b> , 34, 2901-7	3.2	67
241	Effect of lime on root growth, morphology and the rhizosphere of cereal seedlings growing in an acid soil. <i>Plant and Soil</i> , <b>2010</b> , 327, 199-212	4.2	64
240	Structural characterisation of native and recombinant forms of the neurotrophic cytokine MK. <i>Journal of Chromatography A</i> , <b>1993</b> , 646, 213-25	4.5	64
239	Extracellular vesicles: their role in cancer biology and epithelial-mesenchymal transition. <i>Biochemical Journal</i> , <b>2017</b> , 474, 21-45	3.8	63
238	Root morphology, root-hair development and rhizosphere formation on perennial grass seedlings is influenced by soil acidity. <i>Plant and Soil</i> , <b>2010</b> , 335, 457-468	4.2	63
237	Expression of an enzymatically active parasite molecule in <i>Escherichia coli</i> : <i>Schistosoma japonicum</i> glutathione S-transferase. <i>Molecular and Biochemical Parasitology</i> , <b>1988</b> , 27, 249-56	1.9	63
236	The immunoglobulin-like module of gp130 is required for signaling by interleukin-6, but not by leukemia inhibitory factor. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 22701-7	5.4	62
235	Unwrapping the rhizosphere. <i>Plant and Soil</i> , <b>2017</b> , 418, 129-139	4.2	61



234	Secretome-based proteomic profiling of Ras-transformed MDCK cells reveals extracellular modulators of epithelial-mesenchymal transition. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 2827-37	5.6	61
233	Human microglial cells synthesize albumin in brain. <i>PLoS ONE</i> , <b>2008</b> , 3, e2829	3.7	60
232	Transcriptome and long noncoding RNA sequencing of three extracellular vesicle subtypes released from the human colon cancer LIM1863 cell line. <i>Scientific Reports</i> , <b>2016</b> , 6, 38397	4.9	59
231	PHLDA1 expression marks the putative epithelial stem cells and contributes to intestinal tumorigenesis. <i>Cancer Research</i> , <b>2011</b> , 71, 3709-19	10.1	58
230	Difference gel electrophoresis analysis of Ras-transformed fibroblast cell-derived exosomes. <i>Electrophoresis</i> , <b>2008</b> , 29, 2660-71	3.6	58
229	STAT3 Forms stable homodimers in the presence of divalent cations prior to activation. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 247, 558-63	3.4	58
228	Murine epidermal growth factor: structure and function. <i>Biochemistry</i> , <b>1988</b> , 27, 4977-85	3.2	58
227	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 submicrogram level. <i>Journal of Chromatography A</i> , <b>1986</b> , 352, 359-368	4.5	57
226	Extracellular Microvesicles: The Need for Internationally Recognised Nomenclature and Stringent Purification Criteria. <i>Journal of Proteomics and Bioinformatics</i> , <b>2012</b> , 05,	2.1	57
225	Application of capillary reversed-phase high-performance liquid chromatography to high-sensitivity protein sequence analysis. <i>Journal of Chromatography A</i> , <b>1992</b> , 599, 119-30	4.5	54
224	Kinetin application to roots and its effect on uptake, translocation and distribution of nitrogen in wheat ( <i>Triticum aestivum</i> ) grown with a split root system. <i>Physiologia Plantarum</i> , <b>1982</b> , 56, 430-435	4.6	54
223	Effect of soil acidity, soil strength and macropores on root growth and morphology of perennial grass species differing in acid-soil resistance. <i>Plant, Cell and Environment</i> , <b>2011</b> , 34, 444-56	8.4	53
222	YBX1/YB-1 induces partial EMT and tumourigenicity through secretion of angiogenic factors into the extracellular microenvironment. <i>Oncotarget</i> , <b>2015</b> , 6, 13718-30	3.3	53
221	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) induces cancer cell senescence by interacting with telomerase RNA component. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 13308-13	11.5	52
220	Influence of interleukin-6 (IL-6) dimerization on formation of the high affinity hexameric IL-6.receptor complex. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 20138-44	5.4	52
219	Podoplanin is a component of extracellular vesicles that reprograms cell-derived exosomal proteins and modulates lymphatic vessel formation. <i>Oncotarget</i> , <b>2016</b> , 7, 16070-89	3.3	51
218	A two-dimensional gel database of human colon carcinoma proteins. <i>Electrophoresis</i> , <b>1997</b> , 18, 605-13	3.6	51
217	Selective identification and quantitative analysis of methionine containing peptides by charge derivatization and tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2005</b> , 16, 1131-50	3.5	51

216	Application of 2-D free-flow electrophoresis/RP-HPLC for proteomic analysis of human plasma depleted of multi high-abundance proteins. <i>Proteomics</i> , <b>2005</b> , 5, 3402-13	4.8	51
215	Complete amino acid sequence of tenebrosin-C, a cardiac stimulatory and haemolytic protein from the sea anemone <i>Actinia tenebrosa</i> . <i>FEBS Journal</i> , <b>1990</b> , 190, 319-28		51
214	Management of soil phosphorus fertility determines the phosphorus budget of a temperate grazing system and is the key to improving phosphorus efficiency. <i>Agriculture, Ecosystems and Environment</i> , <b>2015</b> , 212, 263-277	5.7	50
213	Direct measurement of roots in soil for single and mixed species using a quantitative DNA-based method. <i>Plant and Soil</i> , <b>2011</b> , 348, 123-137	4.2	50
212	Identification and characterization of two distinct truncated forms of gp130 and a soluble form of leukemia inhibitory factor receptor alpha-chain in normal human urine and plasma. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 10798-805	5.4	49
211	A high-performance liquid chromatography procedure for recovering subnanomole amounts of protein from SDS-gel electroeluates for gas-phase sequence analysis. <i>FEBS Journal</i> , <b>1987</b> , 165, 21-9		49
210	Characterization of a recombinant murine interleukin-6: assignment of disulfide bonds. <i>Biochemical and Biophysical Research Communications</i> , <b>1988</b> , 157, 364-72	3.4	49
209	A Protocol for Isolation and Proteomic Characterization of Distinct Extracellular Vesicle Subtypes by Sequential Centrifugal Ultrafiltration. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1545, 91-116	1.4	48
208	The antimalarial drug, chloroquine, interacts with lactate dehydrogenase from <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1997</b> , 88, 215-24	1.9	48
207	Limitations to the Potential of Transgenic <i>Trifolium subterraneum</i> L. Plants that Exude Phytase when Grown in Soils with a Range of Organic P Content. <i>Plant and Soil</i> , <b>2005</b> , 278, 263-274	4.2	48
206	Oncogenic epithelial cell-derived exosomes containing Rac1 and PAK2 induce angiogenesis in recipient endothelial cells. <i>Oncotarget</i> , <b>2016</b> , 7, 19709-22	3.3	48
205	Molecular cloning and expression of cDNA encoding the rat UDP-N-acetylglucosamine:alpha-6-D-mannoside beta-1,2-N-acetylglucosaminyltransferase II. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 15211-21	5.4	47
204	Extracellular remodelling during oncogenic Ras-induced epithelial-mesenchymal transition facilitates MDCK cell migration. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 1007-19	5.6	46
203	Two-dimensional electrophoretic analysis of human breast carcinoma proteins: mapping of proteins that bind to the SH3 domain of mixed lineage kinase MLK2. <i>Electrophoresis</i> , <b>1997</b> , 18, 588-98	3.6	46
202	Complete nucleotide sequence, expression, and chromosomal localisation of human mixed-lineage kinase 2. <i>FEBS Journal</i> , <b>1995</b> , 234, 492-500		46
201	Pasture plants and soil fertility management to improve the efficiency of phosphorus fertiliser use in temperate grassland systems. <i>Crop and Pasture Science</i> , <b>2014</b> , 65, 556	2.2	44
200	Colon cancer cells adhesion and spreading on autocrine laminin-10 is mediated by multiple integrin receptors and modulated by EGF receptor stimulation. <i>Experimental Cell Research</i> , <b>2000</b> , 261, 360-71	4.2	44
199	Identifying mutated proteins secreted by colon cancer cell lines using mass spectrometry. <i>Journal of Proteomics</i> , <b>2012</b> , 76 Spec No., 141-9	3.9	43



198	Proteomics profiling of Madin-Darby canine kidney plasma membranes reveals Wnt-5a involvement during oncogenic H-Ras/TGF-beta-mediated epithelial-mesenchymal transition. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M110.001131	7.6	43
197	Purification and characterization of a recombinant murine interleukin-6. Isolation of N- and C-terminally truncated forms. <i>FEBS Journal</i> , <b>1992</b> , 207, 903-13		43
196	Extracellular Vesicles in the Intrauterine Environment: Challenges and Potential Functions. <i>Biology of Reproduction</i> , <b>2016</b> , 95, 109	3.9	43
195	Liquid-based free-flow electrophoresis-reversed-phase HPLC: a proteomic tool. <i>Nature Methods</i> , <b>2005</b> , 2, 863-73	21.6	42
194	Root morphological traits that determine phosphorus-acquisition efficiency and critical external phosphorus requirement in pasture species. <i>Functional Plant Biology</i> , <b>2016</b> , 43, 815-826	2.7	41
193	Triton X-114 phase separation in the isolation and purification of mouse liver microsomal membrane proteins. <i>Methods</i> , <b>2011</b> , 54, 396-406	4.6	40
192	Purification and characterisation of proteins with cardiac stimulatory and haemolytic activity from the anemone <i>Actinia tenebrosa</i> . <i>Toxicon</i> , <b>1990</b> , 28, 29-41	2.8	40
191	Characterization of posttranslational modifications of human A33 antigen, a novel palmitoylated surface glycoprotein of human gastrointestinal epithelium. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 236, 682-6	3.4	39
190	Development of a database of amino acid sequences for human colon carcinoma proteins separated by two-dimensional polyacrylamide gel electrophoresis. <i>Electrophoresis</i> , <b>1990</b> , 11, 883-91	3.6	39
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188	Ankyrin repeat and suppressors of cytokine signaling box protein asb-9 targets creatine kinase B for degradation. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 4728-4737	5.4	38
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