

Mark P Molloy

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169
papers

6,901
citations

36
h-index

79
g-index

187
ext. papers

7,702
ext. citations

5.3
avg, IF

5.72
L-index

#	Paper	IF	Citations
169	Membrane proteins and proteomics: un amour impossible?. <i>Electrophoresis</i> , 2000 , 21, 1054-70	3.6	850
168	Extraction of membrane proteins by differential solubilization for separation using two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 1998 , 19, 837-44	3.6	459
167	Proteomic analysis of the Escherichia coli outer membrane. <i>FEBS Journal</i> , 2000 , 267, 2871-81		374
166	Two-dimensional electrophoresis of membrane proteins using immobilized pH gradients. <i>Analytical Biochemistry</i> , 2000 , 280, 1-10	3.1	300
165	High-throughput mass spectrometric discovery of protein post-translational modifications. <i>Journal of Molecular Biology</i> , 1999 , 289, 645-57	6.5	266
164	Multi-laboratory assessment of reproducibility, qualitative and quantitative performance of SWATH-mass spectrometry. <i>Nature Communications</i> , 2017 , 8, 291	17.4	252
163	Improved protein solubility in two-dimensional electrophoresis using tributyl phosphine as reducing agent. <i>Electrophoresis</i> , 1998 , 19, 845-51	3.6	246
162	Overcoming technical variation and biological variation in quantitative proteomics. <i>Proteomics</i> , 2003 , 3, 1912-9	4.8	240
161	Complementing genomics with proteomics: the membrane subproteome of Pseudomonas aeruginosa PAO1. <i>Electrophoresis</i> , 2000 , 21, 3797-809	3.6	179
160	High-abundance protein depletion: comparison of methods for human plasma biomarker discovery. <i>Electrophoresis</i> , 2010 , 31, 471-82	3.6	144
159	Fetuin B Is a Secreted Hepatocyte Factor Linking Steatosis to Impaired Glucose Metabolism. <i>Cell Metabolism</i> , 2015 , 22, 1078-89	24.6	134
158	CCNF mutations in amyotrophic lateral sclerosis and frontotemporal dementia. <i>Nature Communications</i> , 2016 , 7, 11253	17.4	126
157	How specific is my SRM?: The issue of precursor and product ion redundancy. <i>Proteomics</i> , 2009 , 9, 1120-34	4.8	125
156	Extraction of Escherichia coli proteins with organic solvents prior to two-dimensional electrophoresis. <i>Electrophoresis</i> , 1999 , 20, 701-4	3.6	119
155	HSP22, a new member of the small heat shock protein superfamily, interacts with mimetic phosphorylated HSP27 ((3D)HSP27). <i>Journal of Biological Chemistry</i> , 2001 , 276, 26753-61	5.4	109
154	Establishment of the human reflex tear two-dimensional polyacrylamide gel electrophoresis reference map: new proteins of potential diagnostic value. <i>Electrophoresis</i> , 1997 , 18, 2811-5	3.6	101
153	iTRAQ experimental design for plasma biomarker discovery. <i>Journal of Proteome Research</i> , 2008 , 7, 2952-8	5.8	96

152	Two-dimensional electrophoresis and peptide mass fingerprinting of bacterial outer membrane proteins. <i>Electrophoresis</i> , 2001 , 22, 1686-96	3.6	91
151	Identification of candidate biomarkers of therapeutic response to docetaxel by proteomic profiling. <i>Cancer Research</i> , 2009 , 69, 7696-703	10.1	86
150	Prefractionation of protein samples prior to two-dimensional electrophoresis. <i>Electrophoresis</i> , 1997 , 18, 317-23	3.6	80
149	Proteomic analysis of mdx skeletal muscle: Great reduction of adenylate kinase 1 expression and enzymatic activity. <i>Proteomics</i> , 2003 , 3, 1895-903	4.8	72
148	Evaluation of endogenous plasma peptide extraction methods for mass spectrometric biomarker discovery. <i>Journal of Proteome Research</i> , 2007 , 6, 571-81	5.6	71
147	Proteome analysis reveals antiangiogenic environments in chronic wounds of diabetes mellitus type 2 patients. <i>Proteomics</i> , 2013 , 13, 2670-81	4.8	70
146	Purification and characterization of a serine protease and chitinases from <i>Paecilomyces lilacinus</i> and detection of chitinase activity on 2D gels. <i>Protein Expression and Purification</i> , 2003 , 32, 210-20	2	70
145	Analysis of the outer membrane proteome of <i>Caulobacter crescentus</i> by two-dimensional electrophoresis and mass spectrometry. <i>Proteomics</i> , 2001 , 1, 705-20	4.8	69
144	SWATH Mass Spectrometry Performance Using Extended Peptide MS/MS Assay Libraries. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 2501-14	7.6	69
143	Phosphopeptide derivatization signatures to identify serine and threonine phosphorylated peptides by mass spectrometry. <i>Analytical Chemistry</i> , 2001 , 73, 5387-94	7.8	67
142	Age-related neurodegenerative disease associated pathways identified in retinal and vitreous proteome from human glaucoma eyes. <i>Scientific Reports</i> , 2017 , 7, 12685	4.9	65
141	Polyomic profiling reveals significant hepatic metabolic alterations in glucagon-receptor (GCGR) knockout mice: implications on anti-glucagon therapies for diabetes. <i>BMC Genomics</i> , 2011 , 12, 281	4.5	62
140	Specific armadillo repeat sequences facilitate Ectenin nuclear transport in live cells via direct binding to nucleoporins Nup62, Nup153, and RanBP2/Nup358. <i>Journal of Biological Chemistry</i> , 2012 , 287, 819-31	5.4	60
139	Profiling the alkaline membrane proteome of <i>Caulobacter crescentus</i> with two-dimensional electrophoresis and mass spectrometry. <i>Proteomics</i> , 2002 , 2, 899-910	4.8	53
138	Large-scale evaluation of quantitative reproducibility and proteome coverage using acid cleavable isotope coded affinity tag mass spectrometry for proteomic profiling. <i>Proteomics</i> , 2005 , 5, 1204-8	4.8	51
137	Comprehensive glycomics comparison between colon cancer cell cultures and tumours: implications for biomarker studies. <i>Journal of Proteomics</i> , 2014 , 108, 146-62	3.9	47
136	Differential expression of the skeletal muscle proteome in mdx mice at different ages. <i>Electrophoresis</i> , 2004 , 25, 2576-85	3.6	38
135	A longitudinal study of the protein components of marsupial milk from birth to weaning in the tamar wallaby (<i>Macropus eugenii</i>). <i>Developmental and Comparative Immunology</i> , 2009 , 33, 152-61	3.2	37

134	Unique ion signature mass spectrometry, a deterministic method to assign peptide identity. <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 2051-62	7.6	36
133	The necrotrophic effector protein SnTox3 re-programs metabolism and elicits a strong defence response in susceptible wheat leaves. <i>BMC Plant Biology</i> , 2014 , 14, 215	5.3	34
132	The development of multiple reaction monitoring assays for liver-derived plasma proteins. <i>Proteomics - Clinical Applications</i> , 2007 , 1, 1570-81	3.1	34
131	Proteomic identification of lynchpin urokinase plasminogen activator receptor protein interactions associated with epithelial cancer malignancy. <i>Journal of Proteome Research</i> , 2007 , 6, 1016-28	5.6	33
130	Quantitative Age-specific Variability of Plasma Proteins in Healthy Neonates, Children and Adults. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 924-935	7.6	32
129	Identification of distinctive protein expression patterns in colorectal adenoma. <i>Proteomics - Clinical Applications</i> , 2010 , 4, 60-70	3.1	32
128	Inter-laboratory evaluation of instrument platforms and experimental workflows for quantitative accuracy and reproducibility assessment. <i>EuPA Open Proteomics</i> , 2015 , 8, 6-15	0.1	30
127	Development of a data independent acquisition mass spectrometry workflow to enable glycopeptide analysis without predefined glycan compositional knowledge. <i>Journal of Proteomics</i> , 2018 , 172, 68-75	3.9	30
126	Phosphoproteomics of MAPK inhibition in BRAF-mutated cells and a role for the lethal synergism of dual BRAF and CK2 inhibition. <i>Molecular Cancer Therapeutics</i> , 2014 , 13, 1894-906	6.1	30
125	Alternative assembly of respiratory complex II connects energy stress to metabolic checkpoints. <i>Nature Communications</i> , 2018 , 9, 2221	17.4	29
124	Proteomics of thyroid tumours provides new insights into their molecular composition and changes associated with malignancy. <i>Scientific Reports</i> , 2016 , 6, 23660	4.9	28
123	Proteomic comparison of colorectal tumours and non-neoplastic mucosa from paired patient samples using iTRAQ mass spectrometry. <i>Molecular BioSystems</i> , 2011 , 7, 2997-3005		28
122	Pathogenic mutation in the ALS/FTD gene, CCNF, causes elevated Lys48-linked ubiquitylation and defective autophagy. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 335-354	10.3	27
121	Protein Paucimannosylation Is an Enriched N-Glycosylation Signature of Human Cancers. <i>Proteomics</i> , 2019 , 19, e1900010	4.8	27
120	Isolation of bacterial cell membranes proteins using carbonate extraction. <i>Methods in Molecular Biology</i> , 2008 , 424, 397-401	1.4	27
119	Angiotensin II-inducible platelet-derived growth factor-D transcription requires specific Ser/Thr residues in the second zinc finger region of Sp1. <i>Circulation Research</i> , 2008 , 102, e38-51	15.7	27
118	Proteomics: technologies and applications. <i>Briefings in Functional Genomics & Proteomics</i> , 2002 , 1, 23-39		26
117	Ionizing radiation reduces ADAM10 expression in brain microvascular endothelial cells undergoing stress-induced senescence. <i>Aging</i> , 2017 , 9, 1248-1268	5.6	26

116	Online Peptide fractionation using a multiphasic microfluidic liquid chromatography chip improves reproducibility and detection limits for quantitation in discovery and targeted proteomics. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 1708-19	7.6	25
115	<i>Pseudomonas aeruginosa</i> Cell Membrane Protein Expression from Phenotypically Diverse Cystic Fibrosis Isolates Demonstrates Host-Specific Adaptations. <i>Journal of Proteome Research</i> , 2016 , 15, 2152-63	5.6	25
114	Evaluation of blood collection tubes using selected reaction monitoring MS: implications for proteomic biomarker studies. <i>Proteomics</i> , 2010 , 10, 2050-6	4.8	25
113	Expression of ALS/FTD-linked mutant CCNF in zebrafish leads to increased cell death in the spinal cord and an aberrant motor phenotype. <i>Human Molecular Genetics</i> , 2017 , 26, 2616-2626	5.6	24
112	<i>Pseudomonas aeruginosa</i> Proteome under Hypoxic Stress Conditions Mimicking the Cystic Fibrosis Lung. <i>Journal of Proteome Research</i> , 2017 , 16, 3917-3928	5.6	23
111	Quantitative phosphoproteomics of transforming growth factor- β signaling in colon cancer cells. <i>Proteomics</i> , 2011 , 11, 3390-401	4.8	23
110	Characterisation of wool intermediate filament proteins separated by micropreparative two-dimensional electrophoresis. <i>Electrophoresis</i> , 1997 , 18, 568-72	3.6	23
109	Development of mini-gel technology in two-dimensional electrophoresis for mass-screening of samples: application to tears. <i>Electrophoresis</i> , 1998 , 19, 852-5	3.6	23
108	The Australian Proteome Analysis Facility (APAF): assembling large scale proteomics through integration and automation. <i>Electrophoresis</i> , 1998 , 19, 1883-90	3.6	23
107	Plasma biomarker proteins for detection of human growth hormone administration in athletes. <i>Scientific Reports</i> , 2017 , 7, 10039	4.9	22
106	An iTRAQ proteomics screen reveals the effects of the MDM2 binding ligand Nutlin-3 on cellular proteostasis. <i>Journal of Proteome Research</i> , 2012 , 11, 5464-78	5.6	22
105	A multiplexed, targeted mass spectrometry assay of the S100 protein family uncovers the isoform-specific expression in thyroid tumours. <i>BMC Cancer</i> , 2015 , 15, 199	4.8	21
104	Polyphenol extracts from dried sugarcane inhibit inflammatory mediators in an in vitro colon cancer model. <i>Journal of Proteomics</i> , 2018 , 177, 1-10	3.9	21
103	Phosphoproteomic Analysis of Cell-Based Resistance to BRAF Inhibitor Therapy in Melanoma. <i>Frontiers in Oncology</i> , 2015 , 5, 95	5.3	20
102	Genetically and Phenotypically Distinct <i>Pseudomonas aeruginosa</i> Cystic Fibrosis Isolates Share a Core Proteomic Signature. <i>PLoS ONE</i> , 2015 , 10, e0138527	3.7	20
101	Quantitation of the anticancer drug abiraterone and its metabolite (4)-abiraterone in human plasma using high-resolution mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 154, 66-74	3.5	19
100	Stoichiometry of <i>Saccharomyces cerevisiae</i> lysine methylation: insights into non-histone protein lysine methyltransferase activity. <i>Journal of Proteome Research</i> , 2014 , 13, 1744-56	5.6	19
99	Multidimensional protein identification technology-selected reaction monitoring improving detection and quantification for protein biomarker studies. <i>Analytical Chemistry</i> , 2012 , 84, 1592-600	7.8	19

98	Casein kinase II phosphorylation of cyclin F at serine 621 regulates the Lys48-ubiquitylation E3 ligase activity of the SCF complex. <i>Open Biology</i> , 2017 , 7,	7	18
97	Identification of wallaby milk whey proteins separated by two-dimensional electrophoresis, using amino acid analysis and sequence tagging. <i>Electrophoresis</i> , 1997 , 18, 1073-8	3.6	18
96	SecDF as part of the Sec-translocase facilitates efficient secretion of <i>Bacillus cereus</i> toxins and cell wall-associated proteins. <i>PLoS ONE</i> , 2014 , 9, e103326	3.7	17
95	TMT One-Stop Shop: From Reliable Sample Preparation to Computational Analysis Platform. <i>Methods in Molecular Biology</i> , 2017 , 1549, 45-66	1.4	17
94	PGRMC1 phosphorylation affects cell shape, motility, glycolysis, mitochondrial form and function, and tumor growth. <i>BMC Molecular and Cell Biology</i> , 2020 , 21, 24	2.7	17
93	Characterisation of the immune compounds in koala milk using a combined transcriptomic and proteomic approach. <i>Scientific Reports</i> , 2016 , 6, 35011	4.9	16
92	From mice to men: GEMMs as trial patients for new NSCLC therapies. <i>Seminars in Cell and Developmental Biology</i> , 2014 , 27, 118-27	7.5	16
91	Clinicopathological correlates and prognostic significance of maspin expression in 450 patients after potentially curative resection of node-positive colonic cancer. <i>Histopathology</i> , 2010 , 56, 319-30	7.3	16
90	Recent progress in selected reaction monitoring MS-driven plasma protein biomarker analysis. <i>Bioanalysis</i> , 2009 , 1, 847-55	2.1	16
89	Proteomic profile of sex-sorted bull sperm evaluated by SWATH-MS analysis. <i>Animal Reproduction Science</i> , 2018 , 198, 121-128	2.1	16
88	Mutated in colorectal cancer protein modulates the NFB pathway. <i>Anticancer Research</i> , 2012 , 32, 73-9	2.3	16
87	A proteomics-based approach identifies secreted protein acidic and rich in cysteine as a prognostic biomarker in malignant pleural mesothelioma. <i>British Journal of Cancer</i> , 2016 , 114, 524-31	8.7	15
86	Fiber Supplements Derived From Sugarcane Stem, Wheat Dextrin and Psyllium Husk Have Different Effects on the Human Gut Microbiota. <i>Frontiers in Microbiology</i> , 2018 , 9, 1618	5.7	15
85	Quantitative mass spectrometry for colorectal cancer proteomics. <i>Proteomics - Clinical Applications</i> , 2013 , 7, 42-54	3.1	15
84	Multiplex detection of ctDNA mutations in plasma of colorectal cancer patients by PCR/SERS assay. <i>Nanotheranostics</i> , 2020 , 4, 224-232	5.6	15
83	Using proteomics to identify ubiquitin ligase-substrate pairs: how novel methods may unveil therapeutic targets for neurodegenerative diseases. <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 2499-2510	10.3	14
82	Proteomics of hosts and pathogens in cystic fibrosis. <i>Proteomics - Clinical Applications</i> , 2015 , 9, 134-46	3.1	14
81	Label-free selected reaction monitoring enables multiplexed quantitation of S100 protein isoforms in cancer cells. <i>Journal of Proteome Research</i> , 2013 , 12, 3679-88	5.6	14

80	Coverage and consistency: bioinformatics aspects of the analysis of multirun iTRAQ experiments with wheat leaves. <i>Journal of Proteome Research</i> , 2013 , 12, 4870-81	5.6	14
79	Comparing SILAC and two-dimensional gel electrophoresis image analysis for profiling urokinase plasminogen activator signaling in ovarian cancer cells. <i>Journal of Proteome Research</i> , 2007 , 6, 2105-12	5.6	14
78	Towards clinical applications of selected reaction monitoring for plasma protein biomarker studies. <i>Proteomics - Clinical Applications</i> , 2012 , 6, 42-59	3.1	13
77	Differential proteome expression associated with urokinase plasminogen activator receptor (uPAR) suppression in malignant epithelial cancer. <i>Journal of Proteome Research</i> , 2008 , 7, 4792-806	5.6	13
76	Proteome profiling of <i>Pseudomonas aeruginosa</i> PAO1 identifies novel responders to copper stress. <i>BMC Microbiology</i> , 2019 , 19, 69	4.5	11
75	Identification of Novel Biomarkers in Pancreatic Tumor Tissue to Predict Response to Neoadjuvant Chemotherapy. <i>Frontiers in Oncology</i> , 2020 , 10, 237	5.3	11
74	iSwathX: an interactive web-based application for extension of DIA peptide reference libraries. <i>Bioinformatics</i> , 2019 , 35, 538-539	7.2	11
73	Combining protein ratio p-values as a pragmatic approach to the analysis of multirun iTRAQ experiments. <i>Journal of Proteome Research</i> , 2015 , 14, 738-46	5.6	11
72	Proteomic analysis of early lactation milk of the tammar wallaby (<i>Macropus eugenii</i>). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2007 , 2, 150-64	2	11
71	Priming Adipose-Derived Mesenchymal Stem Cells with Hyaluronan Alters Growth Kinetics and Increases Attachment to Articular Cartilage. <i>Stem Cells International</i> , 2016 , 2016, 9364213	5	11
70	Organic macromolecules in shells of <i>Arctica islandica</i> : comparison with nacropismatic bivalve shells. <i>Marine Biology</i> , 2017 , 164, 1	2.5	10
69	Clinicopathological correlates and prognostic significance of glutathione S-transferase Pi expression in 468 patients after potentially curative resection of node-positive colonic cancer. <i>Histopathology</i> , 2011 , 59, 1057-70	7.3	10
68	Quantitative chemical proteomics in small-scale culture of phorbol ester stimulated basal breast cancer cells. <i>Proteomics</i> , 2011 , 11, 2683-92	4.8	10
67	Overlapping genes in natural and engineered genomes. <i>Nature Reviews Genetics</i> , 2021 ,	30.1	10
66	Changes in dietary fiber intake in mice reveal associations between colonic mucin -glycosylation and specific gut bacteria. <i>Gut Microbes</i> , 2020 , 12, 1802209	8.8	10
65	Metformin, Microbiome and Protection Against Colorectal Cancer. <i>Digestive Diseases and Sciences</i> , 2021 , 66, 1409-1414	4	10
64	The mannose-6-phosphate analogue, PXS64, inhibits fibrosis via TGF- β pathway in human lung fibroblasts. <i>Immunology Letters</i> , 2015 , 165, 90-101	4.1	9
63	The prognostic role of inflammatory markers in patients with metastatic colorectal cancer treated with bevacizumab: A translational study [ASCENT]. <i>PLoS ONE</i> , 2020 , 15, e0229900	3.7	9

62	Tandem ion exchange fractionation of chicken egg white reveals the presence of proliferative bioactivity. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 4079-88	5.7	9
61	PSMD11, PTPRM and PTPRB as novel biomarkers of pancreatic cancer progression. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129682	4	9
60	Radiosurgery Alters the Endothelial Surface Proteome: Externalized Intracellular Molecules as Potential Vascular Targets in Irradiated Brain Arteriovenous Malformations. <i>Radiation Research</i> , 2017 , 187, 66-78	3.1	8
59	Evaluation of Chemical Derivatisation Methods for Protein Identification using MALDI MS/MS. <i>International Journal of Peptide Research and Therapeutics</i> , 2006 , 12, 225-235	2.1	8
58	ELF5 modulates the estrogen receptor cistrome in breast cancer. <i>PLoS Genetics</i> , 2020 , 16, e1008531	6	8
57	ALS/FTD-causing mutation in cyclin F causes the dysregulation of SFPQ. <i>Human Molecular Genetics</i> , 2021 , 30, 971-984	5.6	8
56	Characterization of a beta-catenin nuclear localization defect in MCF-7 breast cancer cells. <i>Experimental Cell Research</i> , 2016 , 341, 196-206	4.2	7
55	The Gut Microbiome and Cancer Immunotherapy: Can We Use the Gut Microbiome as a Predictive Biomarker for Clinical Response in Cancer Immunotherapy?. <i>Cancers</i> , 2021 , 13,	6.6	7
54	Inter- and intra-patient variability in pharmacokinetics of abiraterone acetate in metastatic prostate cancer. <i>Cancer Chemotherapy and Pharmacology</i> , 2019 , 84, 139-146	3.5	6
53	Reporting in studies of protein biomarkers of prognosis in colorectal cancer in relation to the REMARK guidelines. <i>Proteomics - Clinical Applications</i> , 2015 , 9, 1078-86	3.1	6
52	Bioanalytical evaluation of dried plasma spots for monitoring of abiraterone and (4)-abiraterone from cancer patients. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1126-1127, 121741	3.2	6
51	SWATH Mass Spectrometry for Proteomics of Non-Depleted Plasma. <i>Methods in Molecular Biology</i> , 2017 , 1619, 373-383	1.4	6
50	Analytical performance of nano-LC-SRM using nondepleted human plasma over an 18-month period. <i>Proteomics</i> , 2016 , 16, 2118-27	4.8	6
49	Changes in the in vitro activity of platinum drugs when administered in two aliquots. <i>BMC Cancer</i> , 2016 , 16, 688	4.8	5
48	Improving Protein Detection Confidence Using SWATH-Mass Spectrometry with Large Peptide Reference Libraries. <i>Proteomics</i> , 2017 , 17, 1700174	4.8	5
47	Identification of protein targets in cerebral endothelial cells for brain arteriovenous malformation (AVMs) molecular therapies. <i>Clinical Proteomics</i> , 2017 , 14, 17	5	5
46	Why complexity and entropy matter: information, posttranslational modifications, and assay fidelity. <i>Proteomics</i> , 2012 , 12, 1147-50	4.8	5
45	Genome Modularization Reveals Overlapped Gene Topology Is Necessary for Efficient Viral Reproduction. <i>ACS Synthetic Biology</i> , 2020 , 9, 3079-3090	5.7	5

44	Proteome analysis of human adipocytes identifies depot-specific heterogeneity at metabolic control points. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E1068-E1084	6	5
43	Emerging Evidence of the Gut Microbiome in Chemotherapy: A Clinical Review. <i>Frontiers in Oncology</i> , 2021 , 11, 706331	5.3	5
42	Membrane proteins and proteomics: Un amour impossible?		5
41	Proteogenomic analysis of Inhibitor of Differentiation 4 (ID4) in basal-like breast cancer. <i>Breast Cancer Research</i> , 2020 , 22, 63	8.3	4
40	Evaluating bioanalytical capabilities of paper spray ionization for abiraterone drug quantification in patient plasma. <i>Journal of Mass Spectrometry</i> , 2020 , 55, e4584	2.2	4
39	Serotype classification and characterisation of the rotavirus SA11 VP6 protein using mass spectrometry and two-dimensional gel electrophoresis. <i>Functional and Integrative Genomics</i> , 2000 , 1, 12-24	3.8	4
38	OmixLitMiner: A Bioinformatics Tool for Prioritizing Biological Leads from Omics Data Using Literature Retrieval and Data Mining. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
37	The prognostic role of inflammatory markers in patients with metastatic colorectal cancer treated with bevacizumab.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 719-719	2.2	3
36	Multi-laboratory assessment of reproducibility, qualitative and quantitative performance of SWATH-mass spectrometry		3
35	Differential regulation of extracellular matrix proteins in three recurrent liver metastases of a single patient with colorectal cancer. <i>Clinical and Experimental Metastasis</i> , 2020 , 37, 649-656	4.7	3
34	The Gut Microbiome and Gastrointestinal Toxicities in Pelvic Radiation Therapy: A Clinical Review. <i>Cancers</i> , 2021 , 13,	6.6	3
33	Radiation-Stimulated Translocation of CD166 and CRYAB to the Endothelial Surface Provides Potential Vascular Targets on Irradiated Brain Arteriovenous Malformations. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	3
32	Data independent acquisition of plasma biomarkers of response to neoadjuvant chemotherapy in pancreatic ductal adenocarcinoma. <i>Journal of Proteomics</i> , 2021 , 231, 103998	3.9	3
31	Proteomics identification of radiation-induced changes of membrane proteins in the rat model of arteriovenous malformation in pursuit of targets for brain AVM molecular therapy. <i>Clinical Proteomics</i> , 2018 , 15, 43	5	3
30	Unravelling the role of protein kinase CK2 in metal toxicity using gene deletion mutants. <i>Metalomics</i> , 2017 , 9, 301-308	4.5	2
29	Proteomic phenotyping of metastatic melanoma reveals putative signatures of MEK inhibitor response and prognosis. <i>British Journal of Cancer</i> , 2018 , 119, 713-723	8.7	2
28	Multidimensional fractionation is a requirement for quantitation of Golgi-resident glycosylation enzymes from cultured human cells. <i>Journal of Proteome Research</i> , 2015 , 14, 747-55	5.6	2
27	Targeted Mass Spectrometry of S100 Proteins. <i>Methods in Molecular Biology</i> , 2019 , 1929, 663-678	1.4	2

26	PGRMC1 phosphorylation and cell plasticity 1: glycolysis, mitochondria, tumor growth		2
25	Identification of a Novel Ciprofloxacin Tolerance Gene, , Which Contributes to Filamentation in <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65,	5.9	2
24	Highly specific detection of KRAS single nucleotide polymorphism by asymmetric PCR/SERS assay. <i>Analyst, The</i> , 2021 , 146, 5714-5721	5	2
23	Inhibitor of Differentiation 4 (ID4) represses mammary myoepithelial differentiation via inhibition of HEB. <i>IScience</i> , 2021 , 24, 102072	6.1	2
22	Pharmacological Inhibition of Casein Kinase 2 Enhances the Effectiveness of PI3K Inhibition in Colon Cancer Cells. <i>Anticancer Research</i> , 2018 , 38, 6195-6200	2.3	2
21	Analysis of the outer membrane proteome of <i>Caulobacter crescentus</i> by two-dimensional electrophoresis and mass spectrometry 2001 , 1, 705		2
20	Multi-laboratory analysis of the variability of shipped samples for proteomics following non-cooled international transport. <i>Analytical Biochemistry</i> , 2018 , 548, 60-65	3.1	1
19	6 Two-dimensional gel electrophoresis. <i>Separation Science and Technology</i> , 2005 , 7, 123-145	1.7	1
18	The challenge of industrializing proteomics. <i>Nature Biotechnology</i> , 2003 , 21, 597	44.5	1
17	The role of macrophages in docetaxel (DTX) resistance in castrate-resistant prostate cancer (CRPC).. <i>Journal of Clinical Oncology</i> , 2013 , 31, e22175-e22175	2.2	1
16	Quantitative Proteomic Profiling of Small Molecule Treated Mesenchymal Stem Cells Using Chemical Probes. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	1
15	Presymptomatic Dutch-Type Hereditary Cerebral Amyloid Angiopathy-Related Blood Metabolite Alterations. <i>Journal of Alzheimer's Disease</i> , 2021 , 79, 895-903	4.3	1
14	Molecular Features of Lymph Node Metastasis in T1/2 Colorectal Cancer from Formalin-Fixed Paraffin-Embedded Archival Specimens. <i>Journal of Proteome Research</i> , 2021 , 20, 1304-1312	5.6	1
13	Proteomic Analysis of Whole Blood Using Volumetric Absorptive Microsampling for Precision Medicine Biomarker Studies.. <i>Journal of Proteome Research</i> , 2022 ,	5.6	1
12	SERS characterization of colorectal cancer cell surface markers upon anti-EGFR treatment. <i>Exploration</i> , 20210176		0
11	Proteomic Profiling and Biomarker Discovery in Colorectal Liver Metastases. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 6091	6.3	0
10	Practical Integration of Multi-Run iTRAQ Data. <i>Methods in Molecular Biology</i> , 2019 , 1977, 199-215	1.4	
9	Proteomic screen with the proto-oncogene beta-catenin identifies interaction with Golgi coatomer complex I. <i>Biochemistry and Biophysics Reports</i> , 2019 , 19, 100662	2.2	

- 8 Two-stepping to increase peptide spectra matches in large databases. *Proteomics*, **2013**, 13, 1229-30 4.8
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- 2 ELF5 modulates the estrogen receptor cistrome in breast cancer **2020**, 16, e1008531
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