

Stable isotope labelling methods in mass spectrometry-

Journal of Pharmaceutical and Biomedical Analysis
113, 2-20

DOI: 10.1016/j.jpba.2015.04.013

Citation Report

#	ARTICLE	IF	CITATIONS
1	Microbial Metalloproteomics. Proteomes, 2015, 3, 424-439.	3.5	14
2	Proteomics of Neisseria gonorrhoeae: the treasure hunt for countermeasures against an old disease. Frontiers in Microbiology, 2015, 6, 1190.	3.5	19
3	Expanding the Repertoire of Biomarkers for Alzheimer's Disease: Targeted and Non-targeted Approaches. Frontiers in Neurology, 2015, 6, 256.	2.4	16
4	Bioanalytical derivatization: is there still room for development?. Bioanalysis, 2015, 7, 2439-2441.	1.5	5
5	Personalized Proteomics: The Future of Precision Medicine. Proteomes, 2016, 4, 29.	3.5	101
6	A Quantitative Proteomics Approach to Clinical Research with Non-Traditional Samples. Proteomes, 2016, 4, 31.	3.5	6
7	Design and Statistical Analysis of Mass-Spectrometry-Based Quantitative Proteomics Data. , 2016, , 211-237.		9
8	Targeted absolute quantitative proteomics with SILAC internal standards and unlabeled full-length protein calibrators (TAQSI). Rapid Communications in Mass Spectrometry, 2016, 30, 553-561.	1.5	24
9	Transition from identity to bioactivity-guided proteomics for biomarker discovery with focus on the PF2D platform. Proteomics - Clinical Applications, 2016, 10, 8-24.	1.6	5
10	Accurate quantification of modified cyclic peptides without the need for authentic standards. Tetrahedron, 2016, 72, 8603-8609.	1.9	3
11	Development of a liquid chromatography high resolution mass spectrometry method for the quantitation of viral envelope glycoprotein in Ebola virus-like particle vaccine preparations. Clinical Proteomics, 2016, 13, 18.	2.1	13
12	Stable isotope dimethyl labelling for quantitative proteomics and beyond. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150364.	3.4	32
13	Immunology by numbers: quantitation of antigen presentation completes the quantitative milieu of systems immunology!. Current Opinion in Immunology, 2016, 40, 88-95.	5.5	30
14	A universal SI-traceable isotope dilution mass spectrometry method for protein quantitation in a matrix by tandem mass tag technology. Analytical and Bioanalytical Chemistry, 2016, 408, 3485-3493.	3.7	9
15	Atomic spectrometry update: review of advances in atomic spectrometry and related techniques. Journal of Analytical Atomic Spectrometry, 2016, 31, 1057-1077.	3.0	15
16	Isotope-coded ESI-enhancing derivatization reagents for differential analysis, quantification and profiling of metabolites in biological samples by LC/MS: A review. Journal of Pharmaceutical and Biomedical Analysis, 2016, 130, 181-193.	2.8	68
17	What gastric cancer proteomic studies show about gastric carcinogenesis?. Tumor Biology, 2016, 37, 9991-10010.	1.8	12
18	Challenges in biomarker discovery with MALDI-TOF MS. Clinica Chimica Acta, 2016, 458, 84-98.	1.1	46

#	ARTICLE	IF	CITATIONS
19	Proteomic approaches to study osteoclast biology. <i>Proteomics</i> , 2016, 16, 2545-2556.	2.2	21
20	How to Design a Cardiovascular Proteomics Experiment. , 2016, , 33-57.		2
21	Quantitative Proteomic Analysis Reveals Similarities between Huntingtonâ€™s Disease (HD) and Huntingtonâ€™s Disease-Like 2 (HDL2) Human Brains. <i>Journal of Proteome Research</i> , 2016, 15, 3266-3283.	3.7	32
22	Proteomics-driven Antigen Discovery for Development of Vaccines Against Gonorrhea. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2338-2355.	3.8	82
23	Tiny giants of gene regulation: experimental strategies formicroRNAfunctional studies. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2016, 5, 311-362.	5.9	60
24	New insights on the mitochondrial proteome plasticity in Parkinson's disease. <i>Proteomics - Clinical Applications</i> , 2016, 10, 416-429.	1.6	11
25	Quantitative MS analysis of therapeutic mAbs and their glycosylation for pharmacokinetics study. <i>Proteomics - Clinical Applications</i> , 2016, 10, 303-314.	1.6	13
26	Mass Spectrometry-based Proteomics: What is it expecting ahead?. <i>Journal of Proteomics</i> , 2016, 145, 1-2.	2.4	3
27	â€œHeteroatom-taggedâ€•quantification of proteins via ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5393-5395.	3.7	16
28	Pharmacoproteomic analysis reveals that metapristone (RU486 metabolite) intervenes E-cadherin and vimentin to realize cancer metastasis chemoprevention. <i>Scientific Reports</i> , 2016, 6, 22388.	3.3	26
29	Blood biomarker discovery in drug-free schizophrenia: the contribution of proteomics and multiplex immunoassays. <i>Expert Review of Proteomics</i> , 2016, 13, 1141-1155.	3.0	38
31	Mass Spectrometryâ€•Based Bottomâ€•Up Proteomics: Sample Preparation, LCâ€•MS/MS Analysis, and Database Query Strategies. <i>Current Protocols in Protein Science</i> , 2016, 86, 16.4.1-16.4.20.	2.8	18
32	Shedding Light on Anesthetic Mechanisms: Application of Photoaffinity Ligands. <i>Anesthesia and Analgesia</i> , 2016, 123, 1253-1262.	2.2	24
33	Molecular labels for analysis of amines and diols by spray based ionization-mass spectrometry. <i>Analyst, The</i> , 2016, 141, 5398-5403.	3.5	3
34	Atomic Spectrometry Update: review of advances in elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1330-1373.	3.0	10
35	The Cellular Thermal Shift Assay: A Novel Biophysical Assay for In Situ Drug Target Engagement and Mechanistic Biomarker Studies. <i>Annual Review of Pharmacology and Toxicology</i> , 2016, 56, 141-161.	9.4	213
36	Characterization of immunoglobulins through analysis of N-glycopeptides by MALDI-TOF MS. <i>Methods</i> , 2016, 104, 170-181.	3.8	24
37	Role of Proteomics in the Development of Personalized Medicine. <i>Advances in Protein Chemistry and Structural Biology</i> , 2016, 102, 41-52.	2.3	26

#	ARTICLE	IF	CITATIONS
38	Urinary proteomics for the study of genetic kidney diseases. Expert Review of Proteomics, 2016, 13, 309-324.	3.0	6
39	Deciphering lymphoma pathogenesis via state-of-the-art mass spectrometry-based quantitative proteomics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1047, 2-14.	2.3	5
40	Production and application of high quality stable isotope-labeled human immunoglobulin G1 for mass spectrometry analysis. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 160-167.	1.0	0
41	Quantitative glycomics using liquid phase separations coupled to mass spectrometry. Analyst, The, 2017, 142, 700-720.	3.5	16
42	Click Chemistry Reagent for Identification of Sites of Covalent Ligand Incorporation in Integral Membrane Proteins. Analytical Chemistry, 2017, 89, 2636-2644.	6.5	20
43	Technological advances and proteomic applications in drug discovery and target deconvolution: identification of the pleiotropic effects of statins. Drug Discovery Today, 2017, 22, 848-869.	6.4	23
44	An optimized procedure for on-tissue localized protein digestion and quantification using hydrogel discs and isobaric mass tags: analysis of cardiac myxoma. Analytical and Bioanalytical Chemistry, 2017, 409, 2919-2930.	3.7	6
45	Super-SILAC mix coupled with SIM/AIMS assays for targeted verification of phosphopeptides discovered in a large-scale phosphoproteome analysis of hepatocellular carcinoma. Journal of Proteomics, 2017, 157, 40-51.	2.4	7
46	WGCNA Application to Proteomic and Metabolomic Data Analysis. Methods in Enzymology, 2017, 585, 135-158.	1.0	244
47	Potential protein biomarkers for burning mouth syndrome discovered by quantitative proteomics. Molecular Pain, 2017, 13, 174480691668679.	2.1	28
48	Phosphorylation of Pkp1 by <sc>RIPK</sc>4 regulates epidermal differentiation and skin tumorigenesis. EMBO Journal, 2017, 36, 1963-1980.	7.8	41
49	Quantification of N-glycosylation site occupancy status based on labeling/label-free strategies with LC-MS/MS. Talanta, 2017, 170, 509-513.	5.5	19
50	Retrieving Quantitative Information of Histone PTMs by Mass Spectrometry. Methods in Enzymology, 2017, 586, 165-191.	1.0	6
51	Development and validation of an ICP-MS method for the determination of elemental impurities in TP-6076 active pharmaceutical ingredient (API) according to USP ²³² and ²³³. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 84-90.	2.3	31
52	Exploring ribosome composition and newly synthesized proteins through proteomics and potential biomedical applications. Expert Review of Proteomics, 2017, 14, 529-543.	3.0	2
53	OpenMS – A platform for reproducible analysis of mass spectrometry data. Journal of Biotechnology, 2017, 261, 142-148.	3.8	85
54	Hydrogen-Isotope Exchange (HIE) Reactions of Secondary and Tertiary Sulfonamides and Sulfonylureas with Iridium(I) Catalysts. European Journal of Organic Chemistry, 2017, 2017, 1418-1424.	2.4	38
55	The Role of Proteomics in the Study of Kidney Diseases and in the Development of Diagnostic Tools. , 2017, , 119-223.		4

#	ARTICLE	IF	CITATIONS
56	Ex Vivo Engineering of the Tumor Microenvironment. Cancer Drug Discovery and Development, 2017, , .	0.4	4
57	The Cancer Secretome. Cancer Drug Discovery and Development, 2017, , 95-120.	0.4	0
58	Label-Based and Label-Free Strategies for Protein Quantitation. Methods in Molecular Biology, 2017, 1549, 31-43.	0.9	65
59	Development and Scale-Up of Stereoretentive $\hat{\pm}$ -Deuteration of Amines. Organic Process Research and Development, 2017, 21, 1741-1744.	2.7	32
60	Technologies for Discovery of Biomarkers. , 2017, , 27-96.		0
62	Research Progress in Analysis of Small Molecule Metabolites in Bio-matrices by Stable Isotope Coded Derivatization Combining with Liquid Chromatographyâ€“tandem Mass Spectrometry. Chinese Journal of Analytical Chemistry, 2017, 45, 1066-1077.	1.7	6
63	Clinical veterinary proteomics: Techniques and approaches to decipher the animal plasma proteome. Veterinary Journal, 2017, 230, 6-12.	1.7	16
64	Measurement of Enzyme Isotope Effects. Methods in Enzymology, 2017, 596, 43-83.	1.0	15
65	Recent advances and clinical insights into the use of proteomics in the study of atherosclerosis. Expert Review of Proteomics, 2017, 14, 701-713.	3.0	6
66	Advancement of mass spectrometry-based proteomics technologies to explore triple negative breast cancer. Molecular BioSystems, 2017, 13, 42-55.	2.9	19
67	Stoichiometry determination of macromolecular membrane protein complexes. Biological Chemistry, 2017, 398, 155-164.	2.5	5
68	NHS-based Tandem Mass Tagging of Proteins at the Level of Whole Cells: A Critical Evaluation in Comparison to Conventional TMT-Labeling Approaches for Quantitative Proteome Analysis. Analytical Sciences, 2017, 33, 1387-1391.	1.6	3
69	A Facile Method for Preferential Modification of the N-Terminal Amino Group of Peptides Using Triazine-Based Coupling Reagents. Mass Spectrometry, 2017, 6, A0059-A0059.	0.6	6
70	Rapid Proteomics to Prospect and Validate Novel Bacterial Metabolism Induced by Environmental Burden. Methods in Enzymology, 2017, 586, 379-411.	1.0	3
71	Mass Spectrometry of Proteins â€“. , 2017, , .		0
72	Proteomics in Domestic Animals: from Farm to Systems Biology. , 2018, , .		4
73	Gel-Free Proteomics. , 2018, , 55-101.		0
74	Physiological proteomics of heart failure. Current Opinion in Physiology, 2018, 1, 185-197.	1.8	1

#	ARTICLE	IF	CITATIONS
75	iTRAQ-Based Quantitative Proteomics Reveals the New Evidence Base for Traumatic Brain Injury Treated with Targeted Temperature Management. <i>Neurotherapeutics</i> , 2018, 15, 216-232.	4.4	22
77	Advances in absolute protein quantification and quantitative protein mapping using ICP-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 148-159.	11.4	38
78	Deuterium- und tritiummarkierte Verbindungen: Anwendungen in den modernen Biowissenschaften. <i>Angewandte Chemie</i> , 2018, 130, 1774-1802.	2.0	104
79	Deuterium- and Tritium-Labelled Compounds: Applications in the Life Sciences. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1758-1784.	13.8	488
80	Differential analysis of quantitative proteome and acetyl-proteome profiling between premenopausal and postmenopausal ovarian tissues. <i>Clinical Proteomics</i> , 2018, 15, 36.	2.1	2
81	NADH dehydrogenase complex 1/2 is overexpressed in incipient metastatic murine colon cancer cells. <i>Oncology Reports</i> , 2019, 41, 742-752.	2.6	7
82	LC-MS/MS analysis of the dog serum phosphoproteome reveals novel and conserved phosphorylation sites: Phosphoprotein patterns in babesiosis caused by <i>Babesia canis</i> , a case study. <i>PLoS ONE</i> , 2018, 13, e0207245.	2.5	8
83	Time-resolved proteomics of adenovirus infected cells. <i>PLoS ONE</i> , 2018, 13, e0204522.	2.5	18
84	Application of Proteomics Technologies in Oil Palm Research. <i>Protein Journal</i> , 2018, 37, 473-499.	1.6	7
85	A Metabolic Labeling Strategy for Relative Protein Quantification in <i>Clostridioides difficile</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2371.	3.5	4
86	Quantitative Proteomic Analysis of 2D and 3D Cultured Colorectal Cancer Cells: Profiling of Tankyrase Inhibitor XAV939-Induced Proteome. <i>Scientific Reports</i> , 2018, 8, 13255.	3.3	22
87	Promise and Implementation of Proteomic Prostate Cancer Biomarkers. <i>Diagnostics</i> , 2018, 8, 57.	2.6	9
88	Mapping Cellular Polarity Networks Using Mass Spectrometry-based Strategies. <i>Journal of Molecular Biology</i> , 2018, 430, 3545-3564.	4.2	8
89	Proteomics of <i>Vibrio cholerae</i> . <i>Methods in Molecular Biology</i> , 2018, 1839, 171-178.	0.9	0
90	Microbial electrocatalysis: Redox mediators responsible for extracellular electron transfer. <i>Biotechnology Advances</i> , 2018, 36, 1815-1827.	11.7	183
91	The Down-Expression of ACE and IDE Exacerbates Exogenous Amyloid- β Neurotoxicity in CB2 ^{-/-} Mice. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 957-971.	2.6	8
92	Application of Proteomics in Lung Research. <i>Methods in Molecular Biology</i> , 2018, 1809, 237-262.	0.9	1
93	Comparative proteomics reveals the neurotoxicity mechanism of ER stressors tunicamycin and dithiothreitol. <i>NeuroToxicology</i> , 2018, 68, 25-37.	3.0	13

#	ARTICLE	IF	CITATIONS
94	Urine proteomics of primary membranous nephropathy using nanoscale liquid chromatography tandem mass spectrometry analysis. <i>Clinical Proteomics</i> , 2018, 15, 5.	2.1	27
95	Recent development and trends in sample extraction and preparation for mass spectrometric analysis of nucleotides, nucleosides, and proteins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 51-60.	2.8	4
96	In vitro inhibition of hepatic stellate cell activation by the autophagy-related lipid droplet protein ATG2A. <i>Scientific Reports</i> , 2018, 8, 9232.	3.3	37
97	Applications of proteomics in pharmaceutical research and development. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 17-21.	2.3	21
98	Isotopically labeled flavoenzymes and their uses in probing reaction mechanisms. <i>Methods in Enzymology</i> , 2019, 620, 145-166.	1.0	2
99	Prospects of translational proteomics and protein microarrays in oligodendroglioma. , 2019, , 117-127.		1
103	One System for All: Is Mass Spectrometry a Future Alternative for Conventional Antibiotic Susceptibility Testing?. <i>Frontiers in Microbiology</i> , 2019, 10, 2711.	3.5	29
104	SLIM Ultrahigh Resolution Ion Mobility Spectrometry Separations of Isotopologues and Isotopomers Reveal Mobility Shifts due to Mass Distribution Changes. <i>Analytical Chemistry</i> , 2019, 91, 11952-11962.	6.5	76
105	Stable isotope labeling of metal/metal oxide nanomaterials for environmental and biological tracing. <i>Nature Protocols</i> , 2019, 14, 2878-2899.	12.0	25
106	Selection and characterization of botanical natural products for research studies: a NaPDI center recommended approach. <i>Natural Product Reports</i> , 2019, 36, 1196-1221.	10.3	72
107	Bioinformatics Workflow for Gonococcal Proteomics. <i>Methods in Molecular Biology</i> , 2019, 1997, 185-205.	0.9	2
108	Oncoproteomics: Current status and future opportunities. <i>Clinica Chimica Acta</i> , 2019, 495, 611-624.	1.1	20
109	Applications of multiple reaction monitoring targeted proteomics assays in human plasma. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 499-515.	3.1	15
110	¹⁵ N Stable Isotope Labeling PSTs in <i>Alexandrium minutum</i> for Application of PSTs as Biomarker. <i>Toxins</i> , 2019, 11, 211.	3.4	1
111	Urine Proteome Changes in a TNBS-Induced Colitis Rat Model. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800100.	1.6	11
112	Atomic spectrometry and atomic mass spectrometry in bioanalytical chemistry. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 180-203.	6.7	19
113	Development of biomarkers of genitourinary cancer using mass spectrometry-based clinical proteomics. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 387-403.	1.9	13
114	Trends in the Design of New Isobaric Labeling Reagents for Quantitative Proteomics. <i>Molecules</i> , 2019, 24, 701.	3.8	54

#	ARTICLE	IF	CITATIONS
115	Ecological Metabolomics: Challenges and Perspectives. , 2019, , 293-378.		0
116	Synthetic standard aided quantification and structural characterization of amyloid-beta glycopeptides enriched from cerebrospinal fluid of Alzheimer's disease patients. Scientific Reports, 2019, 9, 5522.	3.3	20
117	Proteomic analysis of synovial fluid: current and potential uses to improve clinical outcomes. Expert Review of Proteomics, 2019, 16, 287-302.	3.0	21
118	iTRAQ-based pharmacoproteomics reveals potential targets of berberine, a promising therapy for ulcerative colitis. European Journal of Pharmacology, 2019, 850, 167-179.	3.5	22
120	Scale-up synthesis of a deuterium-labeled cis-cyclobutane-1,3-Dicarboxylic acid derivative using continuous photo flow chemistry. Tetrahedron, 2019, 75, 617-623.	1.9	7
121	Mass spectrometry: A platform for biomarker discovery and validation for Alzheimer's and Parkinson's diseases. Journal of Neurochemistry, 2019, 151, 397-416.	3.9	34
122	Current Status of Proteomic Technologies for Discovering and Identifying Gingival Crevicular Fluid Biomarkers for Periodontal Disease. International Journal of Molecular Sciences, 2019, 20, 86.	4.1	42
123	In-Sample Calibration Curve Using Multiple Isotopologue Reaction Monitoring of a Stable Isotopically Labeled Analyte for Instant LC-MS/MS Bioanalysis and Quantitative Proteomics. Analytical Chemistry, 2019, 91, 2536-2543.	6.5	20
124	Absolute quantification of the β , β' , and β'' subunits of β -conglycinin from soybeans by liquid chromatography/tandem mass spectrometry using stable isotope-labelled peptides. Food Research International, 2019, 116, 1223-1228.	6.2	10
125	Clinical Proteomics. , 2019, , 911-925.		0
126	XINA: A Workflow for the Integration of Multiplexed Proteomics Kinetics Data with Network Analysis. Journal of Proteome Research, 2019, 18, 775-781.	3.7	13
127	Sample Multiplexing Strategies in Quantitative Proteomics. Analytical Chemistry, 2019, 91, 178-189.	6.5	50
128	Gut Microbial Metabolism and Nonalcoholic Fatty Liver Disease. Hepatology Communications, 2019, 3, 29-43.	4.3	27
129	Synthesis and characterization of a new MeCAT reagent containing a photocleavable linker for labeling of proteins and peptides in mass spectrometric analyses. Talanta, 2019, 192, 197-203.	5.5	1
130	A targeted mass spectrometry method to screen collagen types I-V in the decellularized 3D extracellular matrix of the adult male rat thyroid. Talanta, 2019, 193, 1-8.	5.5	7
131	Comprehensive Proteomic Profiling of Pressure Ulcers in Patients with Spinal Cord Injury Identifies a Specific Protein Pattern of Pathology. Advances in Wound Care, 2020, 9, 277-294.	5.1	5
132	Identifying Readers for (hydroxy)methylated DNA Using Quantitative Interaction Proteomics: Advances and Challenges Ahead. Journal of Molecular Biology, 2020, 432, 1792-1800.	4.2	7
133	Comparative evaluation of two Fusarium oxysporum f. sp. lycopersici strains grown on two different carbon sources: LC-MS - based secretome study after in vivo ^{15}N metabolic labeling. International Journal of Mass Spectrometry, 2020, 449, 116288.	1.5	3

#	ARTICLE	IF	CITATIONS
134	Systematic Comparison of Label-Free, SILAC, and TMT Techniques to Study Early Adaption toward Inhibition of EGFR Signaling in the Colorectal Cancer Cell Line DiFi. Journal of Proteome Research, 2020, 19, 926-937.	3.7	36
135	Conjugating immunoassays to mass spectrometry: Solutions to contemporary challenges in clinical diagnostics. TrAC - Trends in Analytical Chemistry, 2020, 132, 116064.	11.4	25
136	Quantifying drug metabolizing enzymes and transporters by LC-MS/MS proteomics. , 2020, , 359-385.		0
137	Integration of quantitative proteomics and metabolomics reveals tissue hypoxia mechanisms in an ischemic-hypoxic rat model. Journal of Proteomics, 2020, 228, 103924.	2.4	7
138	A Collision-Induced Dissociation Cleavable Isobaric Tag for Peptide Fragment Ion-Based Quantification in Proteomics. Journal of Proteome Research, 2020, 19, 3817-3824.	3.7	7
141	Identification of new protein biomarkers associated with the boar fertility using iTRAQ-based quantitative proteomic analysis. International Journal of Biological Macromolecules, 2020, 162, 50-59.	7.5	17
142	<p>Proteomic Applications in Antimicrobial Resistance and Clinical Microbiology Studies</p>. Infection and Drug Resistance, 2020, Volume 13, 1785-1806.	2.7	18
143	Quantitative proteomic strategies to study reproduction in farm animals: Female reproductive fluids. Journal of Proteomics, 2020, 225, 103884.	2.4	14
144	Recent advances in the bioanalytical methods of polyethylene glycols and PEGylated pharmaceuticals. Journal of Separation Science, 2020, 43, 1978-1997.	2.5	12
145	MASS SPECTROMETRYâ€BASED MITOCHONDRIAL PROTEOMICS IN HUMAN OVARIAN CANCERS. Mass Spectrometry Reviews, 2020, 39, 471-498.	5.4	15
146	Cullin-RING Ligase 5: Functional characterization and its role in human cancers. Seminars in Cancer Biology, 2020, 67, 61-79.	9.6	35
147	Selective Maleylation-Directed Isobaric Peptide Termini Labeling for Accurate Proteome Quantification. Analytical Chemistry, 2020, 92, 7836-7844.	6.5	11
148	Mass spectrometry-based proteomics analyses of post-translational modifications and proteoforms in human pituitary adenomas. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140584.	2.3	13
149	Important Issues in Planning a Proteomics Experiment: Statistical Considerations of Quantitative Proteomic Data. Methods in Molecular Biology, 2021, 2228, 1-20.	0.9	5
150	Quantitative proteomic profiling of Cervicovaginal fluid from pregnant women with term and preterm birth. Proteome Science, 2021, 19, 3.	1.7	11
151	Methods to improve quantitative glycoprotein coverage from bottomâ€up LCâ€MS data. Mass Spectrometry Reviews, 2022, 41, 922-937.	5.4	11
152	Non-targeted proteomics of acute respiratory distress syndrome: clinical and research applications. Proteome Science, 2021, 19, 5.	1.7	6
153	Extracellular Matrix by Design: Native Biomaterial Fabrication and Functionalization to Boost Tissue Regeneration. Regenerative Engineering and Translational Medicine, 2022, 8, 55-74.	2.9	4

#	ARTICLE	IF	CITATIONS
154	Production mechanism of semicarbazide from protein in Chinese softshell turtles at different drying temperatures based on TMT-tagged quantitative proteomics. Journal of Food Composition and Analysis, 2021, 99, 103872.	3.9	2
155	Chemical isotope labeling for quantitative proteomics. Mass Spectrometry Reviews, 2023, 42, 546-576.	5.4	20
156	Cayley Graphs of Semigroups Applied to Atom Tracking in Chemistry. Journal of Computational Biology, 2021, 28, 701-715.	1.6	0
157	Understanding Cervical Cancer through Proteomics. Cells, 2021, 10, 1854.	4.1	25
158	Proteomes Are of Proteoforms: Embracing the Complexity. Proteomes, 2021, 9, 38.	3.5	46
159	Phosphorylation-Mediated Molecular Pathway Changes in Human Pituitary Neuroendocrine Tumors Identified by Quantitative Phosphoproteomics. Cells, 2021, 10, 2225.	4.1	5
160	Celastrol exerts a neuroprotective effect by directly binding to HMGB1 protein in cerebral ischemiaâ€“reperfusion. Journal of Neuroinflammation, 2021, 18, 174.	7.2	32
161	Multiplexed analysis of amino acids in mice brain microdialysis samples using isobaric labeling and liquid chromatography-high resolution tandem mass spectrometry. Journal of Chromatography A, 2021, 1656, 462537.	3.7	5
162	Proteomic approaches to investigate gammaherpesvirus biology and associated tumorigenesis. Advances in Virus Research, 2021, 109, 201-254.	2.1	0
163	Using RNA Affinity Purification Followed by Mass Spectrometry to Identify RNA-Binding Proteins (RBPs). Methods in Molecular Biology, 2020, 2166, 241-253.	0.9	4
164	Global Proteomics of Extremophilic Fungi: Mission Accomplished?. , 2019, , 205-249.		4
165	Proteomic and Degradomic Analysis of Body Fluids: Applications, Challenges and Considerations. Biology of Extracellular Matrix, 2020, , 157-182.	0.3	1
166	Proteomics and Bioinformatics Analysis of Cartilage in Post-Traumatic Osteoarthritis in a Mini-Pig Model of Anterior Cruciate Ligament Repair. Medical Science Monitor, 2020, 26, e920104.	1.1	3
167	Current Status of Two-Dimensional Gel Electrophoresis and Multi-Dimensional Liquid Chromatography as Proteomic Separation Techniques. Annals of Chromatography and Separation Techniques, 2015, 1, 1-3.	0.3	5
168	Applied Proteomics in Breast Cancer. , 2016, , 403-414.		0
170	Quantitative Evaluation of Different Protein Fractions of Cerebrospinal Fluid Using 18O Labeling. Methods in Molecular Biology, 2019, 2044, 119-128.	0.9	0
172	Quantification by SRM-MS. , 2020, , 145-172.		0
173	Mass Spectrometry-Based Proteomics in Bone Cell Biology. , 2020, , 340-352.		0

#	ARTICLE	IF	CITATIONS
174	Atom Tracking Using Cayley Graphs. Lecture Notes in Computer Science, 2020, , 406-415.	1.3	1
175	Dimethyl Labeling-Based Quantitative Proteomics of Recalcitrant Cocoa Pod Tissue. Methods in Molecular Biology, 2020, 2139, 133-146.	0.9	0
176	Measurement and Theory of Gas-Phase Ion Mobility Shifts Resulting from Isotopomer Mass Distribution Changes. Analytical Chemistry, 2021, 93, 14966-14975.	6.5	15
177	Analysis of Proteomic Characteristics of Peripheral Blood in Preeclampsia and Study of Changes in Fetal Arterial Doppler Parameters Based on Magnetic Nanoparticles. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-9.	1.3	1
178	A Comparative Study on the Incidence, Aggravation, and Remission of Lupus Nephritis Based on iTRAQ Technology. Combinatorial Chemistry and High Throughput Screening, 2020, 23, 649-657.	1.1	2
179	Plasma proteome profiling using tandem mass tag labeling technology reveals potential biomarkers for Parkinson's disease: a preliminary study. Proteomics - Clinical Applications, 2022, 16, e2100010.	1.6	3
180	Human bronchial-pulmonary proteomics in coronavirus disease 2019 (COVID-19) pandemic: applications and implications. Expert Review of Proteomics, 2021, 18, 925-938.	3.0	2
181	Perspective of the GEMSTONE Consortium on Current and Future Approaches to Functional Validation for Skeletal Genetic Disease Using Cellular, Molecular and Animal-Modeling Techniques. Frontiers in Endocrinology, 2021, 12, 731217.	3.5	12
182	Quantitative Proteomics Using Isobaric Labeling: A Practical Guide. Genomics, Proteomics and Bioinformatics, 2021, 19, 689-706.	6.9	37
183	Experimental Measurements of Relative Mobility Shifts Resulting from Isotopic Substitutions with High-Resolution Cyclic Ion Mobility Separations. Analytical Chemistry, 2022, 94, 2988-2995.	6.5	11
184	iTRAQ-Based Proteomics Analysis of Rat Cerebral Cortex Exposed to Valproic Acid before Delivery. ACS Chemical Neuroscience, 2022, 13, 648-663.	3.5	5
185	Omics Approaches in Toxicological Studies. , 2022, , 61-94.		3
186	Decellularization Detergents As Methodological Variables in Mass Spectrometry of Stromal Matrices. Tissue Engineering - Part C: Methods, 2022, 28, 148-157.	2.1	4
187	Recent progress of proteomic analysis on spermatogenesis. Biology of Reproduction, 2022, 107, 109-117.	2.7	6
188	Integration of a high duty cycle SLIM mobility filter with a triple quadrupole mass spectrometer for targeted quantitative analysis. International Journal of Mass Spectrometry, 2022, 475, 116832.	1.5	6
189	Serum Proteomic Analysis by Tandem Mass Tag-Based Quantitative Proteomics in Pediatric Obstructive Sleep Apnea. Frontiers in Molecular Biosciences, 2022, 9, 762336.	3.5	2
202	Quantitative Proteomics in Yeast: From bSLIM and Proteome Discoverer Outputs to Graphical Assessment of the Significance of Protein Quantification Scores. Methods in Molecular Biology, 2022, 2477, 275-292.	0.9	4
203	An efficient and sensitive method on the identification of unsaturated fatty acids in biosamples: Total lipid extract from bovine liver as a case study. Journal of Chromatography A, 2022, 1675, 463176.	3.7	4

#	ARTICLE	IF	CITATIONS
204	Label-Free Mass Spectrometry-Based Proteomic Analysis in Lamb Tissues after Fish Oil, Carnosic Acid, and Inorganic Selenium Supplementation. <i>Animals</i> , 2022, 12, 1428.	2.3	3
205	Recent advances in isobaric labeling and applications in quantitative proteomics. <i>Proteomics</i> , 2022, 22, 0, 13, .	2.2	25
206	Technological developments of food peptidomics. , 2022, , 49-76.		0
207	Molecular Encryption and Steganography Using Mixtures of Simultaneously Sequenced, Sequence-Defined Oligourethanes. <i>ACS Central Science</i> , 2022, 8, 1125-1133.	11.3	18
208	Jia-ga-song-tang protection against alcoholic liver and intestinal damage. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	2
209	A companion to the preclinical common data elements for proteomics, lipidomics, and metabolomics data in rodent epilepsy models. A report of the TASK3&W4 omics working group of the ILAE/AES joint translational TASK force. <i>Epilepsia Open</i> , 0, , .	2.4	1
211	New insight and enhancement mechanisms for Feamnox process by electron shuttles in wastewater treatment â€” A systematic review. <i>Bioresource Technology</i> , 2023, 369, 128495.	9.6	15
212	Integrated Proteomic and N-Glycoproteomic Profiling of Placental Tissues of Patients with Preeclampsia. <i>International Journal of Women's Health</i> , 0, Volume 15, 59-68.	2.6	1
213	Fiber-Type Shifting in Sarcopenia of Old Age: Proteomic Profiling of the Contractile Apparatus of Skeletal Muscles. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2415.	4.1	18
214	An Isobaric Labeling Approach to Enhance Detection and Quantification of Tissue-Derived Plasma Proteins as Potential Early Disease Biomarkers. <i>Biomolecules</i> , 2023, 13, 215.	4.0	0
215	Proteins and metabolites fingerprints of gestational diabetes mellitus forming proteinâ€™metabolite interactomes are its potential biomarkers. <i>Proteomics</i> , 2023, 23, .	2.2	0
216	Review of the pharmacokinetics of nanodrugs. <i>Nanotechnology Reviews</i> , 2023, 12, .	5.8	2
217	An overview of glioblastoma multiforme and temozolomide resistance: can LC-MS-based proteomics reveal the fundamental mechanism of temozolomide resistance?. <i>Frontiers in Oncology</i> , 0, 13, .	2.8	2
218	Development and validation of ICPMS methods for simultaneous determination of elemental impurities in topical cream containing ximenynic acid. <i>Future Journal of Pharmaceutical Sciences</i> , 2023, 9, .	2.8	0
219	Proteomics and Lipidomics to unveil the contribution of PCSK9 beyond cholesterol lowering: a narrative review. <i>Frontiers in Cardiovascular Medicine</i> , 0, 10, .	2.4	0
220	Mass spectrometry-based techniques for single-cell analysis. <i>Analyst, The</i> , 2023, 148, 3690-3707.	3.5	2
221	Extracellular Matrix Proteomics: The mdx-4cv Mouse Diaphragm as a Surrogate for Studying Myofibrosis in Dystrophinopathy. <i>Biomolecules</i> , 2023, 13, 1108.	4.0	5
222	Collision Induced Unfolding Enables the Quantitation of Isomass Biotherapeutics in Complex Biological Matrices. <i>Journal of the American Society for Mass Spectrometry</i> , 0, , .	2.8	0

#	ARTICLE	IF	CITATIONS
223	Fractionation of selenium isotopes during biofortification of <i>Saccharomyces cerevisiae</i> and the influence of metabolic labeling with ¹⁵ N. <i>Journal of Biological Inorganic Chemistry</i> , 0, , .	2.6	0
224	Cisplatin Dependent Secretion of Immunomodulatory High Mobility Group Box 1 (HMGB1) Protein from Lung Cancer Cells. <i>Biomolecules</i> , 2023, 13, 1335.	4.0	2
225	Interruption of p53-MDM2 Interaction by Nutlin-3a in Human Lymphoma Cell Models Initiates a Cell-Dependent Global Effect on Transcriptome and Proteome Level. <i>Cancers</i> , 2023, 15, 3903.	3.7	1
226	Biochemical and proteomic insights into sarcoplasmic reticulum Ca ²⁺ -ATPase complexes in skeletal muscles. <i>Expert Review of Proteomics</i> , 2023, 20, 125-142.	3.0	2
227	Absolute quantitation of peptides and proteins by coulometric mass spectrometry after derivatization. <i>International Journal of Mass Spectrometry</i> , 2023, , 117153.	1.5	0
228	Mass Spectrometry-Based Proteomic Technology and Its Application to Study Skeletal Muscle Cell Biology. <i>Cells</i> , 2023, 12, 2560.	4.1	1
229	Quantitative mass spectrometry with ¹⁸ O labelling as an alternative approach for determining protease activity: an example of trypsin. <i>BIOpreparations Prevention Diagnosis Treatment</i> , 2024, 24, 46-60.	0.5	0