## MultiNotch MS3 Enables Accurate, Sensitive, and Multip Expression across Cancer Cell Line Proteomes

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Citation Report

#	Article	IF	CITATIONS
7	Quantitative proteomic analysis reveals posttranslational responses to aneuploidy in yeast. ELife, 2014, 3, e03023.	2.8	218
8	Progress in Mass Spectrometry Acquisition Approach for Quantitative Proteomics. Chinese Journal of Analytical Chemistry, 2014, 42, 1859-1868.	0.9	8
9	Isobaric Labeling-Based Relative Quantification in Shotgun Proteomics. Journal of Proteome Research, 2014, 13, 5293-5309.	1.8	520
10	Comprehensive and Scalable Highly Automated MS-Based Proteomic Workflow for Clinical Biomarker Discovery in Human Plasma. Journal of Proteome Research, 2014, 13, 3837-3845.	1.8	49
11	The paracaspase MALT1 cleaves HOIL1 reducing linear ubiquitination by LUBAC to dampen lymphocyte NF-ÎB signalling. Nature Communications, 2015, 6, 8777.	5.8	139
12	A comprehensive proteomic and phosphoproteomic analysis of yeast deletion mutants of 14â€3â€3 orthologs and associated effects of rapamycin. Proteomics, 2015, 15, 474-486.	1.3	49
13	Protein identification and quantification from riverbank grape, <i>Vitis riparia</i> : Comparing SDS-PAGE and FASP-GPF techniques for shotgun proteomic analysis. Proteomics, 2015, 15, 3061-3065.	1.3	14
14	Global cPILOT analysis of the APP/PSâ€1 mouse liver proteome. Proteomics - Clinical Applications, 2015, 9, 872-884.	0.8	25
15	Proteomics equipped with multiplexing toward ultra high throughput. Proteomics, 2015, 15, 183-184.	1.3	1
16	From Raw Data to Biological Discoveries: A Computational Analysis Pipeline for Mass Spectrometry-Based Proteomics. Journal of the American Society for Mass Spectrometry, 2015, 26, 1820-1826.	1.2	17
17	Phthalimide conjugation as a strategy for in vivo target protein degradation. Science, 2015, 348, 1376-1381.	6.0	1,244
18	Quantifying Ubiquitin Signaling. Molecular Cell, 2015, 58, 660-676.	4.5	124
19	Multiplexed, Proteome-Wide Protein Expression Profiling: Yeast Deubiquitylating Enzyme Knockout Strains. Journal of Proteome Research, 2015, 14, 5306-5317.	1.8	56
20	Evaluating Multiplexed Quantitative Phosphopeptide Analysis on a Hybrid Quadrupole Mass Filter/Linear Ion Trap/Orbitrap Mass Spectrometer. Analytical Chemistry, 2015, 87, 1241-1249.	3.2	146
21	High-Resolution Enabled 12-Plex DiLeu Isobaric Tags for Quantitative Proteomics. Analytical Chemistry, 2015, 87, 1646-1654.	3.2	117
22	Novel isotopic <i>N</i> , <i>N</i> -Dimethyl Leucine (iDiLeu) Reagents Enable Absolute Quantification of Peptides and Proteins Using a Standard Curve Approach. Journal of the American Society for Mass Spectrometry, 2015, 26, 107-119.	1.2	35
23	Sample Multiplexing with Cysteine-Selective Approaches: cysDML and cPILOT. Journal of the American Society for Mass Spectrometry, 2015, 26, 615-630.	1.2	26
24	A comprehensive Xist interactome reveals cohesin repulsion and an RNA-directed chromosome conformation. Science, 2015, 349, .	6.0	397

#	Article	IF	Citations
25	Determination of Histidine p <i>K</i> <sub>a</sub> Values in the Propeptides of Furin and Proprotein Convertase 1/3 Using Histidine Hydrogen–Deuterium Exchange Mass Spectrometry. Analytical Chemistry, 2015, 87, 7909-7917.	3.2	10
26	Comprehensive Temporal Protein Dynamics during the Diauxic Shift in Saccharomyces cerevisiae. Molecular and Cellular Proteomics, 2015, 14, 2454-2465.	2.5	84
27	Evolution of Orbitrap Mass Spectrometry Instrumentation. Annual Review of Analytical Chemistry, 2015, 8, 61-80.	2.8	331
28	Quantitation of protein post-translational modifications using isobaric tandem mass tags. Bioanalysis, 2015, 7, 383-400.	0.6	14
29	Proteome-wide quantitative multiplexed profiling of protein expression: carbon-source dependency in <i>Saccharomyces cerevisiae</i> Molecular Biology of the Cell, 2015, 26, 4063-4074.	0.9	62
30	Proteomic Analysis Identifies Ribosome Reduction as an Effective Proteotoxic Stress Response. Journal of Biological Chemistry, 2015, 290, 29695-29706.	1.6	51
31	Global Analysis of Protein Expression and Phosphorylation Levels in Nicotine-Treated Pancreatic Stellate Cells. Journal of Proteome Research, 2015, 14, 4246-4256.	1.8	51
32	The Nuclear Proteome of a Vertebrate. Current Biology, 2015, 25, 2663-2671.	1.8	117
33	The Human Diabetes Proteome Project (HDPP): The 2014 update. Translational Proteomics, 2015, 8-9, 1-7.	1.2	7
34	Quantitative phosphoproteomics reveals new roles for the protein phosphatase PP6 in mitotic cells. Science Signaling, 2015, 8, rs12.	1.6	58
35	Generation of Multiple Reporter Ions from a Single Isobaric Reagent Increases Multiplexing Capacity for Quantitative Proteomics. Analytical Chemistry, 2015, 87, 9855-9863.	3.2	42
36	Nonisotopic Reagents for a Cost-Effective Increase in Sample Throughput of Targeted Quantitative Proteomics. Analytical Chemistry, 2015, 87, 9209-9216.	3.2	11
37	Proteomic analysis of pRb loss highlights a signature of decreased mitochondrial oxidative phosphorylation. Genes and Development, 2015, 29, 1875-1889.	2.7	76
38	Uncovering dynamic phosphorylation signaling using mass spectrometry. International Journal of Mass Spectrometry, 2015, 391, 123-138.	0.7	5
39	Thermal proteome profiling for unbiased identification of direct and indirect drug targets using multiplexed quantitative mass spectrometry. Nature Protocols, 2015, 10, 1567-1593.	5.5	481
40	On the Relationship of Protein and mRNA Dynamics in Vertebrate Embryonic Development. Developmental Cell, 2015, 35, 383-394.	3.1	182
41	Effects of MEK inhibitors GSK1120212 and PD0325901 in vivo using 10â€plex quantitative proteomics and phosphoproteomics. Proteomics, 2015, 15, 462-473.	1.3	64
42	Advancements in Omics Sciences. , 2016, , 67-108.		3

#	Article	IF	CITATIONS
43	High-Sensitivity Mass Spectrometry for Probing Gene Translation in Single Embryonic Cells in the Early Frog (Xenopus) Embryo. Frontiers in Cell and Developmental Biology, 2016, 4, 100.	1.8	19
44	Impact of Microbiota on Resistance to Ocular Pseudomonas aeruginosa-Induced Keratitis. PLoS Pathogens, 2016, 12, e1005855.	2.1	102
45	Altered Protein Composition and Gene Expression in Strabismic Human Extraocular Muscles and Tendons., 2016, 57, 5576.		31
46	Improved 6-Plex Tandem Mass Tags Quantification Throughput Using a Linear Ion Trap–High-Energy Collision Induced Dissociation MS <sup>3</sup> Scan. Analytical Chemistry, 2016, 88, 7471-7475.	3.2	24
47	Uncovering a Dual Regulatory Role for Caspases During Endoplasmic Reticulum Stress-induced Cell Death. Molecular and Cellular Proteomics, 2016, 15, 2293-2307.	2.5	7
48	HSP90 inhibition overcomes ibrutinib resistance in mantle cell lymphoma. Blood, 2016, 128, 2517-2526.	0.6	37
49	Open-gate mutants of the mammalian proteasome show enhanced ubiquitin-conjugate degradation. Nature Communications, 2016, 7, 10963.	5.8	82
50	Genomic Instability Is Induced by Persistent Proliferation of Cells Undergoing Epithelial-to-Mesenchymal Transition. Cell Reports, 2016, 17, 2632-2647.	2.9	93
51	The genetic basis and fitness consequences of sperm midpiece size in deer mice. Nature Communications, 2016, 7, 13652.	5.8	40
52	Quantitative proteomics and terminomics to elucidate the role of ubiquitination and proteolysis in adaptive immunity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150372.	1.6	8
53	Mitochondrial ROS regulate thermogenic energy expenditure and sulfenylation of UCP1. Nature, 2016, 532, 112-116.	13.7	341
54	Mass Spectrometry Applied to Bottom-Up Proteomics: Entering the High-Throughput Era for Hypothesis Testing. Annual Review of Analytical Chemistry, 2016, 9, 449-472.	2.8	266
55	Covalent Labeling Denaturation Mass Spectrometry for Sensitive Localized Higher Order Structure Comparisons. Analytical Chemistry, 2016, 88, 2478-2488.	3.2	8
56	Multiple Time-of-Flight/Time-of-Flight Events in a Single Laser Shot for Improved Matrix-Assisted Laser Desorption/Ionization Tandem Mass Spectrometry Quantification. Analytical Chemistry, 2016, 88, 9780-9788.	3.2	12
57	Highly Multiplexed Quantitative Mass Spectrometry Analysis of Ubiquitylomes. Cell Systems, 2016, 3, 395-403.e4.	2.9	153
58	Label-free Quantification of Proteins in Single Embryonic Cells with Neural Fate in the Cleavage-Stage Frog (Xenopus laevis) Embryo using Capillary Electrophoresis Electrospray Ionization High-Resolution Mass Spectrometry (CE-ESI-HRMS). Molecular and Cellular Proteomics, 2016, 15, 2756-2768.	2.5	70
59	Role of the B Allele of Influenza A Virus Segment 8 in Setting Mammalian Host Range and Pathogenicity. Journal of Virology, 2016, 90, 9263-9284.	1.5	26
60	Amyloid-like Self-Assembly of a Cellular Compartment. Cell, 2016, 166, 637-650.	13.5	294

#	ARTICLE	IF	Citations
61	Comparing the Diagnostic Classification Accuracy of iTRAQ, Peak-Area, Spectral-Counting, and emPAI Methods for Relative Quantification in Expression Proteomics. Journal of Proteome Research, 2016, 15, 3550-3562.	1.8	52
62	HER2 expression identifies dynamic functional states within circulating breast cancer cells. Nature, 2016, 537, 102-106.	13.7	335
63	Two Distinct Types of E3 Ligases Work in Unison to Regulate Substrate Ubiquitylation. Cell, 2016, 166, 1198-1214.e24.	13.5	172
64	Developing a Multiplexed Quantitative Cross-Linking Mass Spectrometry Platform for Comparative Structural Analysis of Protein Complexes. Analytical Chemistry, 2016, 88, 10301-10308.	3.2	55
65	Evaluation and Application of Dimethylated Amino Acids as Isobaric Tags for Quantitative Proteomics of the TGF- $\hat{l}^2$ /Smad3 Signaling Pathway. Journal of Proteome Research, 2016, 15, 3420-3431.	1.8	18
66	Quantitative mass spectrometry-based multiplexing compares the abundance of 5000 S. cerevisiae proteins across 10 carbon sources. Journal of Proteomics, 2016, 148, 85-93.	1.2	173
67	On the Statistical Significance of Compressed Ratios in Isobaric Labeling: A Cross-Platform Comparison. Journal of Proteome Research, 2016, 15, 3029-3038.	1.8	13
68	A Triple Knockout (TKO) Proteomics Standard for Diagnosing Ion Interference in Isobaric Labeling Experiments. Journal of the American Society for Mass Spectrometry, 2016, 27, 1620-1625.	1.2	149
69	Improvement of Quantitative Measurements in Multiplex Proteomics Using High-Field Asymmetric Waveform Spectrometry. Journal of Proteome Research, 2016, 15, 4653-4665.	1.8	55
70	The MaxQuant computational platform for mass spectrometry-based shotgun proteomics. Nature Protocols, 2016, 11, 2301-2319.	5.5	3,353
71	Proteomic Analysis of Human Brown Adipose Tissue Reveals Utilization of Coupled and Uncoupled Energy Expenditure Pathways. Scientific Reports, 2016, 6, 30030.	1.6	60
73	LKB1 loss links serine metabolism to DNA methylation and tumorigenesis. Nature, 2016, 539, 390-395.	13.7	248
74	Time-resolved Analysis of Proteome Dynamics by Tandem Mass Tags and Stable Isotope Labeling in Cell Culture (TMT-SILAC) Hyperplexing. Molecular and Cellular Proteomics, 2016, 15, 3551-3563.	2.5	79
75	Tribbles ortholog NIPI-3 and bZIP transcription factor CEBP-1 regulate a Caenorhabditis elegans intestinal immune surveillance pathway. BMC Biology, 2016, 14, 105.	1.7	35
76	PTP1B controls non-mitochondrial oxygen consumption by regulating RNF213 to promote tumour survival during hypoxia. Nature Cell Biology, 2016, 18, 803-813.	4.6	95
77	Mitochondrial unfolded protein response controls matrix pre-RNA processing and translation. Nature, 2016, 534, 710-713.	13.7	231
78	Inhibition of MNK pathways enhances cancer cell response to chemotherapy with temozolomide and targeted radionuclide therapy. Cellular Signalling, 2016, 28, 1412-1421.	1.7	48
79	Defining the consequences of genetic variation on a proteome-wide scale. Nature, 2016, 534, 500-505.	13.7	335

#	Article	IF	CITATIONS
80	Cold Temperature Induces the Reprogramming of Proteolytic Pathways in Yeast. Journal of Biological Chemistry, 2016, 291, 1664-1675.	1.6	12
81	A draft map of the mouse pluripotent stem cell spatial proteome. Nature Communications, 2016, 7, 8992.	5.8	197
82	Bottom-Up Proteomics (2013–2015): Keeping up in the Era of Systems Biology. Analytical Chemistry, 2016, 88, 95-121.	3.2	52
83	Integrated analysis of shotgun proteomic data with PatternLab for proteomics 4.0. Nature Protocols, 2016, 11, 102-117.	5.5	257
84	A Biologist's Field Guide to Multiplexed Quantitative Proteomics. Molecular and Cellular Proteomics, 2016, 15, 1489-1497.	2.5	50
85	The current state of the art of quantitative phosphoproteomics and its applications to diabetes research. Expert Review of Proteomics, 2016, 13, 421-433.	1.3	26
86	Phosphoproteomics in the Age of Rapid and Deep Proteome Profiling. Analytical Chemistry, 2016, 88, 74-94.	3.2	217
87	Deep Coverage of Global Protein Expression and Phosphorylation in Breast Tumor Cell Lines Using TMT 10-plex Isobaric Labeling. Journal of Proteome Research, 2017, 16, 1121-1132.	1.8	51
88	Bioorthogonal Noncanonical Amino Acid Tagging (BONCAT) Enables Time-Resolved Analysis of Protein Synthesis in Native Plant Tissue. Plant Physiology, 2017, 173, 1543-1553.	2.3	43
89	Multiplexed Phosphoproteomic Profiling Using Titanium Dioxide and Immunoaffinity Enrichments Reveals Complementary Phosphorylation Events. Journal of Proteome Research, 2017, 16, 1506-1514.	1.8	52
90	Relative Protein Quantification Using Tandem Mass Tag Mass Spectrometry. Methods in Molecular Biology, 2017, 1550, 185-198.	0.4	102
91	Extensive Peptide Fractionation and <i>y</i> <sub>1</sub> Ion-Based Interference Detection Method for Enabling Accurate Quantification by Isobaric Labeling and Mass Spectrometry. Analytical Chemistry, 2017, 89, 2956-2963.	3.2	91
92	Deep Profiling of Proteome and Phosphoproteome by Isobaric Labeling, Extensive Liquid Chromatography, and Mass Spectrometry. Methods in Enzymology, 2017, 585, 377-395.	0.4	90
93	Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. Angewandte Chemie - International Edition, 2017, 56, 5738-5743.	7.2	207
94	Investigating Acquisition Performance on the Orbitrap Fusion When Using Tandem MS/MS/MS Scanning with Isobaric Tags. Journal of Proteome Research, 2017, 16, 1839-1846.	1.8	20
95	Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. Angewandte Chemie, 2017, 129, 5832-5837.	1.6	14
96	Evaluating the Characteristics of Reporter Ion Signal Acquired in the Orbitrap Analyzer for Isobaric Mass Tag Proteome Quantification Experiments. Journal of Proteome Research, 2017, 16, 1831-1838.	1.8	8
97	Multi-omics approaches to disease. Genome Biology, 2017, 18, 83.	3.8	1,439

#	ARTICLE	IF	CITATIONS
98	Using hyperLOPIT to perform high-resolution mapping of the spatial proteome. Nature Protocols, 2017, 12, 1110-1135.	5 <b>.</b> 5	113
99	Proteome-Wide Protein Expression Profiling Across Five Pancreatic Cell Lines. Pancreas, 2017, 46, 690-698.	0.5	18
100	Discovery of Nicotinamide Adenine Dinucleotide Binding Proteins in the <i>Escherichia coli</i> Proteome Using a Combined Energetic- and Structural-Bioinformatics-Based Approach. Journal of Proteome Research, 2017, 16, 470-480.	1.8	11
101	Proteomics show antigen presentation processes in human immune cells after ASO3â€H5N1 vaccination. Proteomics, 2017, 17, 1600453.	1.3	6
102	UCP1 deficiency causes brown fat respiratory chain depletion and sensitizes mitochondria to calcium overload-induced dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7981-7986.	3.3	136
103	pSILAC mass spectrometry reveals ZFP91 as IMiD-dependent substrate of the CRL4CRBN ubiquitin ligase. Nature Communications, 2017, 8, 15398.	5.8	124
104	Recent advances in applying mass spectrometry and systems biology to determine brain dynamics. Expert Review of Proteomics, 2017, 14, 545-559.	1.3	12
105	Multi-omics analysis identifies ATF4 as a key regulator of the mitochondrial stress response in mammals. Journal of Cell Biology, 2017, 216, 2027-2045.	2.3	590
106	Quantitative Temporal Viromics of an Inducible HIV-1 Model Yields Insight to Global Host Targets and Phospho-Dynamics Associated with Protein Vpr. Molecular and Cellular Proteomics, 2017, 16, 1447-1461.	2.5	60
107	Proteomics Tracing the Footsteps of Infectious Disease. Molecular and Cellular Proteomics, 2017, 16, S5-S14.	2.5	32
108	Multidimensional Tracking of GPCR Signaling via Peroxidase-Catalyzed Proximity Labeling. Cell, 2017, 169, 338-349.e11.	13.5	221
109	CLK-dependent exon recognition and conjoined gene formation revealed with a novel small molecule inhibitor. Nature Communications, 2017, 8, 7.	5.8	108
110	Building proteomic tool boxes to monitor MHC class I and class II peptides. Proteomics, 2017, 17, 1600061.	1.3	29
111	A Strategy to Combine Sample Multiplexing with Targeted Proteomics Assays for High-Throughput Protein Signature Characterization. Molecular Cell, 2017, 65, 361-370.	4.5	118
112	Mass Defect-Based $\langle i \rangle N \langle  i \rangle, \langle i \rangle N \langle  i \rangle$ -Dimethyl Leucine Labels for Quantitative Proteomics and Amine Metabolomics of Pancreatic Cancer Cells. Analytical Chemistry, 2017, 89, 1138-1146.	3.2	49
113	Age-related neurodegenerative disease associated pathways identified in retinal and vitreous proteome from human glaucoma eyes. Scientific Reports, 2017, 7, 12685.	1.6	105
114	diDO-IPTL: A Peptide-Labeling Strategy for Precision Quantitative Proteomics. Analytical Chemistry, 2017, 89, 11498-11504.	3.2	28
115	Sensitive and Accurate Quantitation of Phosphopeptides Using TMT Isobaric Labeling Technique. Journal of Proteome Research, 2017, 16, 4244-4252.	1.8	28

#	ARTICLE	IF	Citations
116	Bonding-induced emission of silyl-protected copper nanoclusters for luminescence turn-on detection of trace water in organic solvents. Analyst, The, 2017, 142, 4613-4617.	1.7	28
117	Methods for monitoring and measurement of protein translation in time and space. Molecular BioSystems, 2017, 13, 2477-2488.	2.9	28
118	Recent advances in phosphoproteomics and application to neurological diseases. Analyst, The, 2017, 142, 4373-4387.	1.7	33
119	Pseudomonas aeruginosaProteome under Hypoxic Stress Conditions Mimicking the Cystic Fibrosis Lung. Journal of Proteome Research, 2017, 16, 3917-3928.	1.8	37
120	Genomic Determinants of Protein Abundance Variation in Colorectal Cancer Cells. Cell Reports, 2017, 20, 2201-2214.	2.9	95
121	Detection of dysregulated protein-association networks by high-throughput proteomics predicts cancer vulnerabilities. Nature Biotechnology, 2017, 35, 983-989.	9.4	138
122	A Mass Spectrometry-Based Approach for Mapping Protein Subcellular Localization Reveals the Spatial Proteome of Mouse Primary Neurons. Cell Reports, 2017, 20, 2706-2718.	2.9	105
123	Biomimetic Virulomics for Capture and Identification of Cell-Type Specific Effector Proteins. ACS Nano, 2017, 11, 11831-11838.	<b>7.</b> 3	27
124	Cdkal1, a type 2 diabetes susceptibility gene, regulates mitochondrial function in adipose tissue. Molecular Metabolism, 2017, 6, 1212-1225.	3.0	44
125	Metabolomics-driven understanding of genotype-phenotype relations in model organisms. Current Opinion in Systems Biology, 2017, 6, 28-36.	1.3	17
126	Monitoring Dynamic Changes of the Cell Surface Glycoproteome by Quantitative Proteomics. Methods in Molecular Biology, 2017, 1647, 47-59.	0.4	0
127	A mixed-effects model for incomplete data from labeling-based quantitative proteomics experiments. Annals of Applied Statistics, 2017, 11, 114-138.	0.5	9
128	Quantitative Temporal in Vivo Proteomics Deciphers the Transition of Virus-Driven Myeloid Cells into M2 Macrophages. Journal of Proteome Research, 2017, 16, 3391-3406.	1.8	15
129	UBE2O remodels the proteome during terminal erythroid differentiation. Science, 2017, 357, .	6.0	121
130	Mass Defect-Based Dimethyl Pyrimidinyl Ornithine (DiPyrO) Tags for Multiplex Quantitative Proteomics. Analytical Chemistry, 2017, 89, 10798-10805.	3.2	15
131	BPI Fold-Containing Family A Member 2/Parotid Secretory Protein Is an Early Biomarker of AKI. Journal of the American Society of Nephrology: JASN, 2017, 28, 3473-3478.	3.0	24
132	E2F/DP Prevents Cell-Cycle Progression in Endocycling Fat Body Cells by Suppressing dATM Expression. Developmental Cell, 2017, 43, 689-703.e5.	3.1	21
133	Proteomics of phosphorylation and protein dynamics during fertilization and meiotic exit in the <i>Xenopus</i> egg. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10838-E10847.	3.3	43

#	Article	IF	CITATIONS
134	The skeletal phenotype of Achondrogenesis type 1A is caused exclusively by cartilage defects. Development (Cambridge), 2018, 145, .	1.2	12
135	Deep Proteome Profiling by Isobaric Labeling, Extensive Liquid Chromatography, Mass Spectrometry, and Software-assisted Quantification. Journal of Visualized Experiments, 2017, , .	0.2	10
136	Compensatory metabolic networks in pancreatic cancers upon perturbation of glutamine metabolism. Nature Communications, 2017, 8, 15965.	5.8	231
137	Probing the missing mature $\hat{l}^2$ -cell proteomic landscape in differentiating patient iPSC-derived cells. Scientific Reports, 2017, 7, 4780.	1.6	54
138	The Histone Acetyltransferase Mst2 Protects Active Chromatin from Epigenetic Silencing by Acetylating the Ubiquitin Ligase Brl1. Molecular Cell, 2017, 67, 294-307.e9.	4.5	41
139	Current Proteomic Approaches Applied to Brain Function. Neuromethods, 2017, , .	0.2	4
140	TERRA RNA Antagonizes ATRX and Protects Telomeres. Cell, 2017, 170, 86-101.e16.	13.5	201
141	BET Bromodomain Proteins Function as Master Transcription Elongation Factors Independent of CDK9 Recruitment. Molecular Cell, 2017, 67, 5-18.e19.	4.5	347
142	Phagocytosis and Phagosomes. Methods in Molecular Biology, 2017, , .	0.4	3
143	Assessing the Phagosome Proteome by Quantitative Mass Spectrometry. Methods in Molecular Biology, 2017, 1519, 249-263.	0.4	5
144	Tapered-Tip Capillary Electrophoresis Nano-Electrospray Ionization Mass Spectrometry for Ultrasensitive Proteomics: the Mouse Cortex. Journal of the American Society for Mass Spectrometry, 2017, 28, 597-607.	1.2	53
145	Nicotineâ€induced protein expression profiling reveals mutually altered proteins across four human cell lines. Proteomics, 2017, 17, 1600319.	1.3	40
146	Differential Regulation of the Melanoma Proteome by eIF4A1 and eIF4E. Cancer Research, 2017, 77, 613-622.	0.4	29
147	Enhanced Sample Multiplexing of Tissues Using Combined Precursor Isotopic Labeling and Isobaric Tagging (cPILOT). Journal of Visualized Experiments, 2017, , .	0.2	8
148	Proteomics of Eosinophil Activation. Frontiers in Medicine, 2017, 4, 159.	1.2	6
149	Analyzing the Complex Regulatory Landscape of Hfq $\hat{a}$ e" an Integrative, Multi-Omics Approach. Frontiers in Microbiology, 2017, 8, 1784.	1.5	17
150	Proteomic analysis of cell cycle progression in asynchronous cultures, including mitotic subphases, using PRIMMUS. ELife, 2017, 6, .	2.8	53
151	IGF2 mRNA binding protein-2 is a tumor promoter that drives cancer proliferation through its client mRNAs IGF2 and HMGA1. ELife, 2017, 6, .	2.8	77

#	ARTICLE	IF	CITATIONS
152	MELK is not necessary for the proliferation of basal-like breast cancer cells. ELife, 2017, 6, .	2.8	86
153	The Mitochondrial Acylome Emerges: Proteomics, Regulation by Sirtuins, and Metabolic and Disease Implications. Cell Metabolism, 2018, 27, 497-512.	7.2	241
154	MS3-IDQ: Utilizing MS3 Spectra beyond Quantification Yields Increased Coverage of the Phosphoproteome in Isobaric Tag Experiments. Journal of Proteome Research, 2018, 17, 1741-1747.	1.8	7
155	Integrated in vivo multiomics analysis identifies p $21$ -activated kinase signaling as a driver of colitis. Science Signaling, $2018,11,11$	1.6	30
156	Peptidomics. Methods in Molecular Biology, 2018, , .	0.4	5
157	Isobaric Tagâ€Based Protein Profiling of a Nicotineâ€Treated Alpha7 Nicotinic Receptorâ€Null Human Haploid Cell Line. Proteomics, 2018, 18, e1700475.	1.3	12
158	Global profiling of protein–DNA and protein–nucleosome binding affinities using quantitative mass spectrometry. Nature Communications, 2018, 9, 1653.	5.8	54
159	Chemically Induced Degradation of Anaplastic Lymphoma Kinase (ALK). Journal of Medicinal Chemistry, 2018, 61, 4249-4255.	2.9	141
160	Calcium-Induced Differentiation of Human Colon Adenomas in Colonoid Culture: Calcium Alone versus Calcium with Additional Trace Elements. Cancer Prevention Research, 2018, 11, 413-428.	0.7	28
161	Multiplexed Isobaric Tagâ€Based Profiling of Seven Murine Tissues Following In Vivo Nicotine Treatment Using a Minimalistic Proteomics Strategy. Proteomics, 2018, 18, e1700326.	1.3	22
162	Proteome-Wide Evaluation of Two Common Protein Quantification Methods. Journal of Proteome Research, 2018, 17, 1934-1942.	1.8	143
163	Dynamics of PARKIN-Dependent Mitochondrial Ubiquitylation in Induced Neurons and Model Systems Revealed by Digital Snapshot Proteomics. Molecular Cell, 2018, 70, 211-227.e8.	4.5	145
164	Dissecting Protein Complexes in Branching Microtubule Nucleation Using Meiotic <i>Xenopus</i> Extracts. Cold Spring Harbor Protocols, 2018, 2018, pdb.prot100958.	0.2	1
165	Quantitative proteomics reveals a role of JAZ7 in plant defense response to Pseudomonas syringae DC3000. Journal of Proteomics, 2018, 175, 114-126.	1.2	13
166	Identifying Novel Signaling Pathways: An Exercise Scientists Guide to Phosphoproteomics. Exercise and Sport Sciences Reviews, 2018, 46, 76-85.	1.6	5
167	Spatial Tissue Proteomics Quantifies Inter- and Intratumor Heterogeneity in Hepatocellular Carcinoma (HCC). Molecular and Cellular Proteomics, 2018, 17, 810-825.	2.5	65
168	Loss of the deubiquitinase USP36 destabilizes the RNA helicase DHX33 and causes preimplantation lethality in mice. Journal of Biological Chemistry, 2018, 293, 2183-2194.	1.6	30
169	Pharmacological perturbation of CDK9 using selective CDK9 inhibition or degradation. Nature Chemical Biology, 2018, 14, 163-170.	3.9	376

#	Article	IF	CITATIONS
170	Transferrin receptor 1 is a reticulocyte-specific receptor for <i>Plasmodium vivax</i> . Science, 2018, 359, 48-55.	6.0	158
171	Spliceosome Profiling Visualizes Operations of a Dynamic RNP at Nucleotide Resolution. Cell, 2018, 173, 1014-1030.e17.	13.5	39
172	Coordinated responses to individual tumor antigens by IgG antibody and CD8+ T cells following cancer vaccination. , 2018, 6, 27.		17
173	Mass spectrometry based proteomics as foodomics tool in research and assurance of food quality and safety. Trends in Food Science and Technology, 2018, 77, 100-119.	7.8	42
174	Proteomic Profiling of Integrin Adhesion Complex Assembly. Methods in Molecular Biology, 2018, 1764, 193-236.	0.4	10
175	Multiplexed Proteome Dynamics Profiling Reveals Mechanisms Controlling Protein Homeostasis. Cell, 2018, 173, 260-274.e25.	13.5	186
176	Global quantitative analysis of the human brain proteome in Alzheimer's and Parkinson's Disease. Scientific Data, 2018, 5, 180036.	2.4	179
177	The dTAG system for immediate and target-specific protein degradation. Nature Chemical Biology, 2018, 14, 431-441.	3.9	629
178	Proteomic Analysis of the Cell Cycle of Procylic Form Trypanosoma brucei. Molecular and Cellular Proteomics, 2018, 17, 1184-1195.	2.5	36
179	Accurate, Sensitive, and Precise Multiplexed Proteomics Using the Complement Reporter Ion Cluster. Analytical Chemistry, 2018, 90, 5032-5039.	3.2	76
180	Benchmarking common quantification strategies for large-scale phosphoproteomics. Nature Communications, 2018, 9, 1045.	5.8	232
181	<i>S</i> -Nitrosoglutathione Reductase Dysfunction Contributes to Obesity-Associated Hepatic Insulin Resistance via Regulating Autophagy. Diabetes, 2018, 67, 193-207.	0.3	57
182	A review of the role of chemical modification methods in contemporary mass spectrometry-based proteomics research. Analytica Chimica Acta, 2018, 1000, 2-19.	2.6	26
183	Cross-Linking Mass Spectrometry: An Emerging Technology for Interactomics and Structural Biology. Analytical Chemistry, 2018, 90, 144-165.	3.2	262
184	Nudt21 Controls Cell Fate by Connecting Alternative Polyadenylation to Chromatin Signaling. Cell, 2018, 172, 106-120.e21.	13.5	123
185	Targeted MultiNotch MS <sup>3</sup> Approach for Relative Quantification of N-Glycans Using Multiplexed Carbonyl-Reactive Isobaric Tags. Analytical Chemistry, 2018, 90, 1129-1135.	3.2	25
186	Compositional Proteomics: Effects of Spatial Constraints on Protein Quantification Utilizing Isobaric Tags. Journal of Proteome Research, 2018, 17, 590-599.	1.8	51
187	Prc1E and Kif4A control microtubule organization within and between large <i>Xenopus</i> egg asters. Molecular Biology of the Cell, 2018, 29, 304-316.	0.9	29

#	Article	IF	CITATIONS
188	Lessons in PROTAC Design from Selective Degradation with a Promiscuous Warhead. Cell Chemical Biology, 2018, 25, 78-87.e5.	2.5	556
189	A Chemoproteomic Approach to Query the Degradable Kinome Using a Multi-kinase Degrader. Cell Chemical Biology, 2018, 25, 88-99.e6.	2.5	313
190	A Proteomic Network for Symbiotic Nitrogen Fixation Efficiency in Bradyrhizobium elkanii. Molecular Plant-Microbe Interactions, 2018, 31, 334-343.	1.4	5
191	A novel triplex isobaric termini labeling quantitative approach for simultaneously supplying three quantitative sources. Analytica Chimica Acta, 2018, 1001, 70-77.	2.6	10
192	TKO6: A Peptide Standard To Assess Interference for Unit-Resolved Isobaric Labeling Platforms. Journal of Proteome Research, 2019, 18, 565-570.	1.8	12
193	A Bayesian mixture modelling approach for spatial proteomics. PLoS Computational Biology, 2018, 14, e1006516.	1.5	53
194	RAB7A phosphorylation by TBK1 promotes mitophagy via the PINK-PARKIN pathway. Science Advances, 2018, 4, eaav0443.	4.7	128
195	Irisin Mediates Effects on Bone and Fat via αV Integrin Receptors. Cell, 2018, 175, 1756-1768.e17.	13.5	372
196	Deep proteomic network analysis of Alzheimer's disease brain reveals alterations in RNA binding proteins and RNA splicing associated with disease. Molecular Neurodegeneration, 2018, 13, 52.	4.4	178
197	Cell cycle-resolved chromatin proteomics reveals the extent of mitotic preservation of the genomic regulatory landscape. Nature Communications, 2018, 9, 4048.	5.8	73
198	Protein Dynamics in Solution by Quantitative Crosslinking/Mass Spectrometry. Trends in Biochemical Sciences, 2018, 43, 908-920.	3.7	44
199	Apolipoprotein E is a pancreatic extracellular factor that maintains mature $\hat{l}^2$ -cell gene expression. PLoS ONE, 2018, 13, e0204595.	1.1	5
200	Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. Cell, 2018, 175, 679-694.e22.	13.5	344
201	Quantitative Proteomics of Xenopus Embryos I, Sample Preparation. Methods in Molecular Biology, 2018, 1865, 175-194.	0.4	33
202	A Quantitative Chemical Proteomic Strategy for Profiling Phosphoprotein Phosphatases from Yeast to Humans. Molecular and Cellular Proteomics, 2018, 17, 2448-2461.	2.5	29
203	Advances in mass spectrometryâ€based glycomics. Electrophoresis, 2018, 39, 3063-3081.	1.3	72
204	A Novel Differential Ion Mobility Device Expands the Depth of Proteome Coverage and the Sensitivity of Multiplex Proteomic Measurements. Molecular and Cellular Proteomics, 2018, 17, 2051-2067.	2.5	106
205	The NAD+ Salvage Pathway Supports PHGDH-Driven Serine Biosynthesis. Cell Reports, 2018, 24, 2381-2391.e5.	2.9	47

#	Article	IF	CITATIONS
206	A proteomic glimpse into the oncogenesis of prostate cancer. Journal of Applied Biomedicine, 2018, 16, 328-336.	0.6	3
207	Defining Host Responses during Systemic Bacterial Infection through Construction of a Murine Organ Proteome Atlas. Cell Systems, 2018, 6, 579-592.e4.	2.9	23
208	Cardiac mitochondrial metabolism may contribute to differences in thermal tolerance of red- and white-blooded Antarctic notothenioid fishes. Journal of Experimental Biology, 2018, 221, .	0.8	31
209	Discovery of novel plasma biomarkers for future incident venous thromboembolism by untargeted synchronous precursor selection mass spectrometry proteomics. Journal of Thrombosis and Haemostasis, 2018, 16, 1763-1774.	1.9	28
210	Forniceal deep brain stimulation induces gene expression and splicing changes that promote neurogenesis and plasticity. ELife, 2018, 7, .	2.8	39
211	Impact of Mass Spectrometry-Based Technologies and Strategies on Chemoproteomics as a Tool for Drug Discovery. ACS Medicinal Chemistry Letters, 2018, 9, 785-791.	1.3	16
212	Obesity-mediated regulation of cardiac protein acetylation: parallel analysis of total and acetylated proteins via TMT-tagged mass spectrometry. Bioscience Reports, 2018, 38, .	1.1	26
213	Lysine Propionylation To Boost Sequence Coverage and Enable a "Silent SILAC―Strategy for Relative Protein Quantification. Analytical Chemistry, 2018, 90, 9077-9084.	3.2	5
214	Quantitative proteomic characterization of cellular pathways associated with altered insulin sensitivity in skeletal muscle following high-fat diet feeding and exercise training. Scientific Reports, 2018, 8, 10723.	1.6	44
215	Mass spectrometry-based proteomic analysis of the DNA damage response. Frontiers in Bioscience - Landmark, 2018, 23, 597-613.	3.0	1
216	Abnormal RNA stability in amyotrophic lateral sclerosis. Nature Communications, 2018, 9, 2845.	5.8	113
217	Streamlined Tandem Mass Tag (SL-TMT) Protocol: An Efficient Strategy for Quantitative (Phospho)proteome Profiling Using Tandem Mass Tag-Synchronous Precursor Selection-MS3. Journal of Proteome Research, 2018, 17, 2226-2236.	1.8	245
218	Temporal Profiling Establishes a Dynamic <i>&gt;S</i> -Palmitoylation Cycle. ACS Chemical Biology, 2018, 13, 1560-1568.	1.6	43
219	Stable Protein Gel Storage in Acetonitrile for Mass Spectrometric Analysis. Proteomics, 2018, 18, e1700336.	1.3	3
220	Computational Methods for Understanding Mass Spectrometry–Based Shotgun Proteomics Data. Annual Review of Biomedical Data Science, 2018, 1, 207-234.	2.8	108
221	Increased N,N-Dimethyl Leucine Isobaric Tag Multiplexing by a Combined Precursor Isotopic Labeling and Isobaric Tagging Approach. Analytical Chemistry, 2018, 90, 10664-10669.	3.2	36
222	gpGrouper: A Peptide Grouping Algorithm for Gene-Centric Inference and Quantitation of Bottom-Up Proteomics Data. Molecular and Cellular Proteomics, 2018, 17, 2270-2283.	2.5	71
223	Identification of Therapeutic Targets in Rhabdomyosarcoma through Integrated Genomic, Epigenomic, and Proteomic Analyses. Cancer Cell, 2018, 34, 411-426.e19.	7.7	106

#	Article	IF	Citations
224	Xenopus. Methods in Molecular Biology, 2018, , .	0.4	3
225	Quantitative Proteomics for Xenopus Embryos II, Data Analysis. Methods in Molecular Biology, 2018, 1865, 195-215.	0.4	13
226	Proteomic analysis of monolayer-integrated proteins on lipid droplets identifies amphipathic interfacial $\hat{l}_{\pm}$ -helical membrane anchors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8172-E8180.	3 <b>.</b> 3	31
227	Dataâ€independent acquisitionâ€based <scp>SWATH</scp> ― <scp>MS</scp> for quantitative proteomics: a tutorial. Molecular Systems Biology, 2018, 14, e8126.	3.2	701
228	Target Identification of Bioactive Covalently Acting Natural Products. Current Topics in Microbiology and Immunology, 2018, 420, 351-374.	0.7	27
229	Automethylation-induced conformational switch in Clr4 (Suv39h) maintains epigenetic stability. Nature, 2018, 560, 504-508.	13.7	59
230	ACP Acylation Is an Acetyl-CoA-Dependent Modification Required for Electron Transport Chain Assembly. Molecular Cell, 2018, 71, 567-580.e4.	4.5	71
231	A PDGFRα-driven mouse model of glioblastoma reveals a stathmin1-mediated mechanism of sensitivity to vinblastine. Nature Communications, 2018, 9, 3116.	5.8	30
232	CTCF maintains regulatory homeostasis of cancer pathways. Genome Biology, 2018, 19, 106.	3.8	38
233	High-Definition Analysis of Host Protein Stability during Human Cytomegalovirus Infection Reveals Antiviral Factors and Viral Evasion Mechanisms. Cell Host and Microbe, 2018, 24, 447-460.e11.	5.1	93
234	Pseudopodium-enriched atypical kinase 1 mediates angiogenesis by modulating GATA2-dependent VEGFR2 transcription. Cell Discovery, 2018, 4, 26.	3.1	19
235	Transient Osmotic Perturbation Causes Long-Term Alteration to the Gut Microbiota. Cell, 2018, 173, 1742-1754.e17.	13.5	171
236	A quantitative mass spectrometry-based approach to monitor the dynamics of endogenous chromatin-associated protein complexes. Nature Communications, 2018, 9, 2311.	5 <b>.</b> 8	104
237	Plasticity in binding confers selectivity in ligand-induced protein degradation. Nature Chemical Biology, 2018, 14, 706-714.	3.9	391
238	Quantitative phosphoproteomic analysis of the molecular substrates of sleep need. Nature, 2018, 558, 435-439.	13.7	195
239	Multiple TOF/TOF events in a single laser shot for multiplexed lipid identifications in MALDI imaging mass spectrometry. International Journal of Mass Spectrometry, 2019, 437, 30-37.	0.7	12
240	Proteomic characterization of MPK4 signaling network and putative substrates. Plant Molecular Biology, 2019, 101, 325-339.	2.0	10
241	Small molecule degraders of the hepatitis C virus protease reduce susceptibility to resistance mutations. Nature Communications, 2019, 10, 3468.	5.8	124

#	Article	IF	CITATIONS
242	Acute unfolding of a single protein immediately stimulates recruitment of ubiquitin protein ligase E3C (UBE3C) to 26S proteasomes. Journal of Biological Chemistry, 2019, 294, 16511-16524.	1.6	13
243	Multibatch TMT Reveals False Positives, Batch Effects and Missing Values. Molecular and Cellular Proteomics, 2019, 18, 1967-1980.	2.5	128
244	Bayesian Confidence Intervals for Multiplexed Proteomics Integrate Ion-statistics with Peptide Quantification Concordance*[S]. Molecular and Cellular Proteomics, 2019, 18, 2108-2120.	2.5	23
245	Contribution of Mass Spectrometry-Based Proteomics to Discoveries in Developmental Biology. Advances in Experimental Medicine and Biology, 2019, 1140, 143-154.	0.8	5
246	TEX264 is a major receptor for mammalian reticulophagy. Autophagy, 2019, 15, 1677-1681.	4.3	28
247	Symplasmic phloem unloading and radial post-phloem transport via vascular rays in tuberous roots of Manihot esculenta. Journal of Experimental Botany, 2019, 70, 5559-5573.	2.4	39
248	SETD1A protects from senescence through regulation of the mitotic gene expression program. Nature Communications, 2019, 10, 2854.	5.8	37
249	Quantitative Proteomics Reveals a Role for SERINE/ARGININE-Rich 45 in Regulating RNA Metabolism and Modulating Transcriptional Suppression via the ASAP Complex in Arabidopsis thaliana. Frontiers in Plant Science, 2019, 10, 1116.	1.7	16
250	PRMT5 methylome profiling uncovers a direct link to splicing regulation in acute myeloid leukemia. Nature Structural and Molecular Biology, 2019, 26, 999-1012.	3.6	105
251	IPANDA., 2019,,.		5
253	Multi-omics profiling reveals key signaling pathways in ovarian cancer controlled by STAT3. Theranostics, 2019, 9, 5478-5496.	4.6	30
254	A Potent and Selective Small-Molecule Degrader of STAT3 Achieves Complete Tumor Regression InÂVivo. Cancer Cell, 2019, 36, 498-511.e17.	7.7	364
255	Quantitative Proteomics Reveals Remodeling of Protein Repertoire Across Life Phases of <i>Daphnia pulex</i> Proteomics, 2019, 19, e1900155.	1.3	2
256	Investigation of Proteomic and Phosphoproteomic Responses to Signaling Network Perturbations Reveals Functional Pathway Organizations in Yeast. Cell Reports, 2019, 29, 2092-2104.e4.	2.9	41
259	Expedited mapping of the ligandable proteome using fully functionalized enantiomeric probe pairs. Nature Chemistry, 2019, 11, 1113-1123.	6.6	93
260	Multiplexed quantitative phosphoproteomics of cell line and tissue samples. Methods in Enzymology, 2019, 626, 41-65.	0.4	12
261	Proteomic Profiling of Extracellular Vesicles Isolated From Cerebrospinal Fluid of Former National Football League Players at Risk for Chronic Traumatic Encephalopathy. Frontiers in Neuroscience, 2019, 13, 1059.	1.4	44
262	Analysis of Brain and Cerebrospinal Fluid from Mouse Models of the Three Major Forms of Neuronal Ceroid Lipofuscinosis Reveals Changes in the Lysosomal Proteome. Molecular and Cellular Proteomics, 2019, 18, 2244-2261.	2.5	29

#	Article	IF	Citations
263	Proteogenomic Network Analysis of Context-Specific KRAS Signaling in Mouse-to-Human Cross-Species Translation. Cell Systems, 2019, 9, 258-270.e6.	2.9	44
264	Quantitative comparative analysis of human erythrocyte surface proteins between individuals from two genetically distinct populations. Communications Biology, 2019, 2, 350.	2.0	19
265	The RNA Helicase DDX6 Controls Cellular Plasticity by Modulating P-Body Homeostasis. Cell Stem Cell, 2019, 25, 622-638.e13.	<b>5.</b> 2	82
266	A small-molecule inhibitor of BamA impervious to efflux and the outer membrane permeability barrier. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21748-21757.	3.3	136
267	Combining LOPIT with differential ultracentrifugation for high-resolution spatial proteomics. Nature Communications, 2019, 10, 331.	5.8	146
268	Loss of E-Cadherin Inhibits CD103 Antitumor Activity and Reduces Checkpoint Blockade Responsiveness in Melanoma. Cancer Research, 2019, 79, 1113-1123.	0.4	45
269	Characterization and Optimization of Multiplexed Quantitative Analyses Using High-Field Asymmetric-Waveform Ion Mobility Mass Spectrometry. Analytical Chemistry, 2019, 91, 4010-4016.	3.2	155
270	Endorsing and extending the repertory of nutraceutical and antioxidant sources in mangoes during postharvest shelf life. Food Chemistry, 2019, 285, 119-129.	4.2	35
271	Metaproteomics reveals potential mechanisms by which dietary resistant starch supplementation attenuates chronic kidney disease progression in rats. PLoS ONE, 2019, 14, e0199274.	1.1	25
272	Proximity Labeling. Methods in Molecular Biology, 2019, , .	0.4	2
273	Multi omics analysis of fibrotic kidneys in two mouse models. Scientific Data, 2019, 6, 92.	2.4	26
274	Physical and Molecular Landscapes of Mouse Glioma Extracellular Vesicles Define Heterogeneity. Cell Reports, 2019, 27, 3972-3987.e6.	2.9	46
275	Mechanistic Basis of Cabotegravir–Glucuronide Disposition in Humans. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 269-277.	1.3	4
276	Multiomics Profiling Establishes the Polypharmacology of FDA-Approved CDK4/6 Inhibitors and the Potential for Differential Clinical Activity. Cell Chemical Biology, 2019, 26, 1067-1080.e8.	2.5	151
277	Effect of Preparation Method on the Protein Profile of Equine Amnion Dressings. Journal of Proteome Research, 2019, 18, 2676-2685.	1.8	6
278	The Effect of Wnt Pathway Modulators on Human iPSC-Derived Pancreatic Beta Cell Maturation. Frontiers in Endocrinology, 2019, 10, 293.	1.5	35
279	APEX Peroxidase-Catalyzed Proximity Labeling and Multiplexed Quantitative Proteomics. Methods in Molecular Biology, 2019, 2008, 41-55.	0.4	15
280	Stromal Microenvironment Shapes the Intratumoral Architecture of Pancreatic Cancer. Cell, 2019, 178, 160-175.e27.	13.5	367

#	Article	IF	CITATIONS
281	Temporal Proteomic Analysis of BK Polyomavirus Infection Reveals Virus-Induced G $<$ sub $>$ 2 $<$ /sub $>$ Arrest and Highly Effective Evasion of Innate Immune Sensing. Journal of Virology, 2019, 93, .	1.5	28
282	Quantitative Temporal Proteomic Analysis of Vaccinia Virus Infection Reveals Regulation of Histone Deacetylases by an Interferon Antagonist. Cell Reports, 2019, 27, 1920-1933.e7.	2.9	50
283	Advances in Higher Order Multiplexing Techniques in Proteomics. Journal of Proteome Research, 2019, 18, 2360-2369.	1.8	22
284	EGFR is required for Wnt9a–Fzd9b signalling specificity in haematopoietic stem cells. Nature Cell Biology, 2019, 21, 721-730.	4.6	42
285	An Evolutionarily Conserved uORF Regulates PGC1 $\hat{l}_{\pm}$ and Oxidative Metabolism in Mice, Flies, and Bluefin Tuna. Cell Metabolism, 2019, 30, 190-200.e6.	7.2	45
286	Quantitative Interactome Proteomics Reveals a Molecular Basis for ATF6-Dependent Regulation of a Destabilized Amyloidogenic Protein. Cell Chemical Biology, 2019, 26, 913-925.e4.	2.5	26
287	Reduced insulin action in muscle of high fat diet rats over the diurnal cycle is not associated with defective insulin signaling. Molecular Metabolism, 2019, 25, 107-118.	3.0	11
288	TEX264 Is an Endoplasmic Reticulum-Resident ATG8-Interacting Protein Critical for ER Remodeling during Nutrient Stress. Molecular Cell, 2019, 74, 891-908.e10.	4.5	193
289	Calcium-induced differentiation in normal human colonoid cultures: Cell-cell / cell-matrix adhesion, barrier formation and tissue integrity. PLoS ONE, 2019, 14, e0215122.	1.1	38
290	Deciphering the Roles of N-Glycans on Collagen–Platelet Interactions. Journal of Proteome Research, 2019, 18, 2467-2477.	1.8	14
291	Removal of Interference MS/MS Spectra for Accurate Quantification in Isobaric Tag-Based Proteomics. Journal of Proteome Research, 2019, 18, 2535-2544.	1.8	15
292	Quantitative proteomic analysis of prostate tissue specimens identifies deregulated protein complexes in primary prostate cancer. Clinical Proteomics, 2019, 16, 15.	1.1	15
293	Convergent evolution of heteroâ€oligomeric cellulose synthesis complexes in mosses and seed plants. Plant Journal, 2019, 99, 862-876.	2.8	9
294	Methods review: Mass spectrometry analysis of RNAPII complexes. Methods, 2019, 159-160, 105-114.	1.9	4
295	Selective Identification and Site-Specific Quantification of 4-Hydroxy-2-nonenal-Modified Proteins. Analytical Chemistry, 2019, 91, 5235-5243.	3.2	12
296	Boosting to Amplify Signal with Isobaric Labeling (BASIL) Strategy for Comprehensive Quantitative Phosphoproteomic Characterization of Small Populations of Cells. Analytical Chemistry, 2019, 91, 5794-5801.	3.2	86
297	MS1 ion currentâ€based quantitative proteomics: A promising solution for reliable analysis of large biological cohorts. Mass Spectrometry Reviews, 2019, 38, 461-482.	2.8	38
298	The Gag protein PEG10 binds to RNA and regulates trophoblast stem cell lineage specification. PLoS ONE, 2019, 14, e0214110.	1.1	48

#	Article	IF	Citations
299	Selenoproteome Identification in Inflamed Murine Primary Bone Marrow-Derived Macrophages by Nano-LC Orbitrap Fusion Tribrid Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 1276-1283.	1.2	9
300	Leveraging Compound Promiscuity to Identify Targetable Cysteines within the Kinome. Cell Chemical Biology, 2019, 26, 818-829.e9.	2.5	43
301	Quantitative Microproteomics Based Characterization of the Central and Peripheral Nervous System of a Mouse Model of Krabbe Disease. Molecular and Cellular Proteomics, 2019, 18, 1227-1241.	2.5	25
302	Discovery of Covalent CDK14 Inhibitors with Pan-TAIRE Family Specificity. Cell Chemical Biology, 2019, 26, 804-817.e12.	2.5	19
303	Evosep One Enables Robust Deep Proteome Coverage Using Tandem Mass Tags while Significantly Reducing Instrument Time. Journal of Proteome Research, 2019, 18, 2346-2353.	1.8	51
304	FoxK1 and FoxK2 in insulin regulation of cellular and mitochondrial metabolism. Nature Communications, 2019, 10, 1582.	5.8	57
305	Highly Variable Expression of CYP1A1 in Human Liver and Impact on Pharmacokinetics of Riociguat and Granisetron in Humans. Chemical Research in Toxicology, 2019, 32, 1115-1122.	1.7	40
306	Quantitative Proteomic Analysis of Low Linolenic Acid Transgenic Soybean Reveals Perturbations of Fatty Acid Metabolic Pathways. Proteomics, 2019, 19, e1800379.	1.3	35
307	Excessive Cell Growth Causes Cytoplasm Dilution And Contributes to Senescence. Cell, 2019, 176, 1083-1097.e18.	13.5	347
308	Comparison of Protein Quantification in a Complex Background by DIA and TMT Workflows with Fixed Instrument Time. Journal of Proteome Research, 2019, 18, 1340-1351.	1.8	107
309	Quantitative Multiplex Substrate Profiling of Peptidases by Mass Spectrometry. Molecular and Cellular Proteomics, 2019, 18, 968a-981.	2.5	28
310	Sequential Windowed Acquisition of Reporter Masses for Quantitation-First Proteomics. Journal of Proteome Research, 2019, 18, 1893-1901.	1.8	0
311	An integrative systems genetic analysis of mammalian lipid metabolism. Nature, 2019, 567, 187-193.	13.7	101
312	Multiplexed Relative Quantitation with Isobaric Tagging Mass Spectrometry Reveals Class I Major Histocompatibility Complex Ligand Dynamics in Response to Doxorubicin. Analytical Chemistry, 2019, 91, 5106-5115.	3.2	27
313	A Multiplex Fragment-Ion-Based Method for Accurate Proteome Quantification. Analytical Chemistry, 2019, 91, 3921-3928.	3.2	13
314	Design, Synthesis, and Biological Evaluation of Novel Allosteric Protein Disulfide Isomerase Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 3447-3474.	2.9	24
315	Diabetes relief in mice by glucose-sensing insulin-secreting human α-cells. Nature, 2019, 567, 43-48.	13.7	188
316	Plk1-dependent cell cycle-independent furrowing triggered by phosphomimetic mutations of the INCENP STD motif. Journal of Cell Science, 2019, 132, .	1.2	3

#	Article	IF	CITATIONS
317	Integrated proteogenetic analysis reveals the landscape of a mitochondrial-autophagosome synapse during PARK2-dependent mitophagy. Science Advances, 2019, 5, eaay4624.	4.7	55
318	Multiple Layers of Phospho-Regulation Coordinate Metabolism and the Cell Cycle in Budding Yeast. Frontiers in Cell and Developmental Biology, 2019, 7, 338.	1.8	22
319	Group A Streptococcal S Protein Utilizes Red Blood Cells as Immune Camouflage and Is a Critical Determinant for Immune Evasion. Cell Reports, 2019, 29, 2979-2989.e15.	2.9	16
321	TcellSubC: An Atlas of the Subcellular Proteome of Human T Cells. Frontiers in Immunology, 2019, 10, 2708.	2.2	14
323	Evaluation of a Dual Isolation Width Acquisition Method for Isobaric Labeling Ratio Decompression. Journal of Proteome Research, 2019, 18, 1433-1440.	1.8	13
324	Interaction of cell culture process parameters for modulating mAb afucosylation. Biotechnology and Bioengineering, 2019, 116, 831-845.	1.7	10
325	Robust, Reproducible, and Economical Phosphopeptide Enrichment Using Calcium Titanate. Journal of Proteome Research, 2019, 18, 1411-1417.	1.8	3
326	Comprehensive identification of RNA–protein interactions in any organism using orthogonal organic phase separation (OOPS). Nature Biotechnology, 2019, 37, 169-178.	9.4	247
327	Localized protein biotinylation at DNA damage sites identifies ZPET, a repressor of homologous recombination. Genes and Development, 2019, 33, 75-89.	2.7	18
328	Web-Based Search Tool for Visualizing Instrument Performance Using the Triple Knockout (TKO) Proteome Standard. Journal of Proteome Research, 2019, 18, 687-693.	1.8	40
329	A Review on Quantitative Multiplexed Proteomics. ChemBioChem, 2019, 20, 1210-1224.	1.3	224
330	Deuterium-Free, Three-Plexed Peptide Diethylation for Highly Accurate Quantitative Proteomics. Journal of Proteome Research, 2019, 18, 1078-1087.	1.8	17
331	NCOA4 maintains murine erythropoiesis via cell autonomous and non-autonomous mechanisms. Haematologica, 2019, 104, 1342-1354.	1.7	38
332	Proteomic profiling of the white shrimp Litopenaeus vannamei (Boone, 1931) hemocytes infected with white spot syndrome virus reveals the induction of allergy-related proteins. Developmental and Comparative Immunology, 2019, 91, 37-49.	1.0	27
333	Sample Multiplexing Strategies in Quantitative Proteomics. Analytical Chemistry, 2019, 91, 178-189.	3.2	50
334	Discovery and Qualification of Candidate Urinary Biomarkers of Disease Activity in Lupus Nephritis. Journal of Proteome Research, 2019, 18, 1264-1277.	1.8	16
335	Bruton tyrosine kinase degradation as a therapeutic strategy for cancer. Blood, 2019, 133, 952-961.	0.6	117
336	A Guide to Mass Spectrometry-Based Quantitative Proteomics. Methods in Molecular Biology, 2019, 1916, 3-39.	0.4	17

#	Article	IF	CITATIONS
337	TomahaqCompanion: A Tool for the Creation and Analysis of Isobaric Label Based Multiplexed Targeted Assays. Journal of Proteome Research, 2019, 18, 594-605.	1.8	14
338	Proteomics of nucleocytoplasmic partitioning. Current Opinion in Chemical Biology, 2019, 48, 55-63.	2.8	17
339	Ion traps in modern mass spectrometry. Mass Spectrometry Reviews, 2019, 38, 150-168.	2.8	41
340	Critical period inhibition of NKCC1 rectifies synapse plasticity in the somatosensory cortex and restores adult tactile response maps in fragile X mice. Molecular Psychiatry, 2019, 24, 1732-1747.	4.1	46
341	The diagnosis of inborn errors of metabolism by an integrative "multiâ€omics―approach: A perspective encompassing genomics, transcriptomics, and proteomics. Journal of Inherited Metabolic Disease, 2020, 43, 25-35.	1.7	47
342	An efficient solution for resolving iTRAQ and TMT channel crossâ€ŧalk. Journal of Mass Spectrometry, 2020, 55, e4354.	0.7	11
343	Biomimetic Assembly of a Polydopamine Layer on Graphene as an Electron Gate for Fluorescent MicroRNA Detection in Living Cells. ChemBioChem, 2020, 21, 801-806.	1.3	4
344	Quantitative proteomics in development of disease protein biomarkers. , 2020, , 261-288.		3
345	Development and Characterization of a Wee1 Kinase Degrader. Cell Chemical Biology, 2020, 27, 57-65.e9.	2.5	68
346	A New Understanding of the Sedimentary Environment of the Laiyang Group in the Lower Cretaceous of Lingshan Island, Shandong Province, East China. Acta Geologica Sinica, 2020, 94, 1325-1338.	0.8	5
347	Brain Region-Specific nAChR and Associated Protein Abundance Alterations Following Chronic Nicotine and/or Menthol Exposure. Journal of Proteome Research, 2020, 19, 36-48.	1.8	4
348	Novel methods in glycomics: a 2019 update. Expert Review of Proteomics, 2020, 17, 11-25.	1.3	25
349	Quantitative Proteome Responses to Oncolytic Reovirus in GM-CSF- and M-CSF-Differentiated Bone Marrow-Derived Cells. Journal of Proteome Research, 2020, 19, 708-718.	1.8	4
350	Exploring Targeted Degradation Strategy for Oncogenic KRASG12C. Cell Chemical Biology, 2020, 27, 19-31.e6.	2.5	182
351	Endothelial intercellular cell adhesion molecule 1 contributes to cell aggregate formation in CHO cells cultured in serumâ€free media. Biotechnology Progress, 2020, 36, e2951.	1.3	4
352	Dynamic proteome profiling of human pluripotent stem cell-derived pancreatic progenitors. Stem Cells, 2020, 38, 542-555.	1.4	6
353	Discovery of an AKT Degrader with Prolonged Inhibition of Downstream Signaling. Cell Chemical Biology, 2020, 27, 66-73.e7.	2.5	84
354	Toxoplasma gondii. Methods in Molecular Biology, 2020, , .	0.4	3

#	Article	IF	CITATIONS
355	The Druggability of Solute Carriers. Journal of Medicinal Chemistry, 2020, 63, 3834-3867.	2.9	59
356	Native Chromatin Proteomics Reveals a Role for Specific Nucleoporins in Heterochromatin Organization and Maintenance. Molecular Cell, 2020, 77, 51-66.e8.	4.5	<b>7</b> 5
357	Temporal Proteomic Analysis of Herpes Simplex Virus 1 Infection Reveals Cell-Surface Remodeling via pUL56-Mediated GOPC Degradation. Cell Reports, 2020, 33, 108235.	2.9	29
358	A streamlined pipeline for multiplexed quantitative site-specific N-glycoproteomics. Nature Communications, 2020, $11,5268$ .	5.8	46
359	Mapping glycan-mediated galectin-3 interactions by live cell proximity labeling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27329-27338.	3.3	41
360	Thermal Proteome Profiling and Meltome Analysis of a Thermophilic Bacterial Strain, <i>Geobacillus thermoleovorans </i> ARTRW1: Toward Industrial Applications. OMICS A Journal of Integrative Biology, 2020, 24, 756-765.	1.0	5
361	Respiratory Supercomplexes Promote Mitochondrial Efficiency and Growth in Severely Hypoxic Pancreatic Cancer. Cell Reports, 2020, 33, 108231.	2.9	70
362	Inclusion of African American/Black adults in a pilot brain proteomics study of Alzheimer's disease. Neurobiology of Disease, 2020, 146, 105129.	2.1	18
363	Integrated Transcriptome and Proteome Analyses Reveal the Regulatory Role of miR-146a in Human Limbal Epithelium via Notch Signaling. Cells, 2020, 9, 2175.	1.8	11
364	Retinal proteomics of experimental glaucoma model reveal intraocular pressureâ€induced mediators of neurodegenerative changes. Journal of Cellular Biochemistry, 2020, 121, 4931-4944.	1.2	21
365	Mechanisms of siteâ€specific dephosphorylation and kinase opposition imposed by PP2A regulatory subunits. EMBO Journal, 2020, 39, e103695.	3.5	79
366	Co-option of Plasmodium falciparum PP1 for egress from host erythrocytes. Nature Communications, 2020, 11, 3532.	5.8	37
367	MSstatsTMT: Statistical Detection of Differentially Abundant Proteins in Experiments with Isobaric Labeling and Multiple Mixtures. Molecular and Cellular Proteomics, 2020, 19, 1706-1723.	2.5	89
368	Ulcerative Colitis-Derived Colonoid Culture: A Multi-Mineral-Approach to Improve Barrier Protein Expression. Frontiers in Cell and Developmental Biology, 2020, 8, 577221.	1.8	16
369	Noise Exposures Causing Hearing Loss Generate Proteotoxic Stress and Activate the Proteostasis Network. Cell Reports, 2020, 33, 108431.	2.9	33
370	A Versatile Isobaric Tag Enables Proteome Quantification in Data-Dependent and Data-Independent Acquisition Modes. Analytical Chemistry, 2020, 92, 16149-16157.	3.2	18
371	Mapping the Degradable Kinome Provides a Resource for Expedited Degrader Development. Cell, 2020, 183, 1714-1731.e10.	13.5	163
372	The Deubiquitinating Enzyme Ataxin-3 Regulates Ciliogenesis and Phagocytosis in the Retina. Cell Reports, 2020, 33, 108360.	2.9	23

#	Article	IF	CITATIONS
373	N-Glycoproteins Have a Major Role in MGL Binding to Colorectal Cancer Cell Lines: Associations with Overall Proteome Diversity. International Journal of Molecular Sciences, 2020, 21, 5522.	1.8	11
374	Growth Factor Receptor Signaling Inhibition Prevents SARS-CoV-2 Replication. Molecular Cell, 2020, 80, 164-174.e4.	4.5	199
375	Addressing Cellular Heterogeneity in Cancer through Precision Proteomics. Journal of Proteome Research, 2020, 19, 3607-3619.	1.8	8
376	Low-Dose Hsp90 Inhibitor Selectively Radiosensitizes HNSCC and Pancreatic Xenografts. Clinical Cancer Research, 2020, 26, 5246-5257.	3.2	12
377	PAG1 directs SRC-family kinase intracellular localization to mediate receptor tyrosine kinase-induced differentiation. Molecular Biology of the Cell, 2020, 31, 2269-2282.	0.9	8
378	Neurons Release Serine to Support mRNA Translation in Pancreatic Cancer. Cell, 2020, 183, 1202-1218.e25.	13.5	128
379	The Dynamic Proteome of Oligodendrocyte Lineage Differentiation Features Planar Cell Polarity and Macroautophagy Pathways. GigaScience, 2020, 9, .	3.3	10
380	Selective Degradation of GSPT1 by Cereblon Modulators Identified via a Focused Combinatorial Library. ACS Chemical Biology, 2020, 15, 2722-2730.	1.6	46
381	CRL5-dependent regulation of the small GTPases ARL4C and ARF6 controls hippocampal morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23073-23084.	3.3	9
382	A Quantitative Proteome Map of the Human Body. Cell, 2020, 183, 269-283.e19.	13.5	243
383	pH-Gated Succinate Secretion Regulates Muscle Remodeling in Response to Exercise. Cell, 2020, 183, 62-75.e17.	13.5	129
384	The endoplasmic reticulum P5A-ATPase is a transmembrane helix dislocase. Science, 2020, 369, .	6.0	104
385	Global reprogramming of virulence and antibiotic resistance in Pseudomonas aeruginosa by a single nucleotide polymorphism in elongation factor, fusA1. Journal of Biological Chemistry, 2020, 295, 16411-16426.	1.6	17
386	Diet posttranslationally modifies the mouse gut microbial proteome to modulate renal function. Science, 2020, 369, 1518-1524.	6.0	108
387	Rapid and direct control of target protein levels with VHL-recruiting dTAG molecules. Nature Communications, 2020, 11, 4687.	5.8	129
388	A ubiquitin variant-based affinity approach selectively identifies substrates of the ubiquitin ligase E6AP in complex with HPV-11 E6 or HPV-16 E6. Journal of Biological Chemistry, 2020, 295, 15070-15082.	1.6	3
389	Proteomic Profiling of Extracellular Vesicles Derived from Cerebrospinal Fluid of Alzheimer's Disease Patients: A Pilot Study. Cells, 2020, 9, 1959.	1.8	75
390	Mortality Risk Profiling of Staphylococcus aureus Bacteremia by Multi-omic Serum Analysis Reveals Early Predictive and Pathogenic Signatures. Cell, 2020, 182, 1311-1327.e14.	13.5	58

#	Article	IF	CITATIONS
391	Red blood cell tension protects against severe malaria in the Dantu blood group. Nature, 2020, 585, 579-583.	13.7	69
392	Quantitative kinase and phosphatase profiling reveal that CDK1 phosphorylates PP2Ac to promote mitotic entry. Science Signaling, 2020, $13$ , .	1.6	16
393	Decapping enzyme 1A breaks X-chromosome symmetry by controlling Tsix elongation and RNA turnover. Nature Cell Biology, 2020, 22, 1116-1129.	4.6	19
394	Proteomic Profiling of Fast Neutron-Induced Soybean Mutant Unveiled Pathways Associated with Increased Seed Protein Content. Journal of Proteome Research, 2020, 19, 3936-3944.	1.8	12
395	Comparative proteomic analysis highlights metabolic dysfunction in α-synucleinopathy. Npj Parkinson's Disease, 2020, 6, 40.	2.5	16
396	Obesity Shapes Metabolism in the Tumor Microenvironment to Suppress Anti-Tumor Immunity. Cell, 2020, 183, 1848-1866.e26.	13.5	347
397	A First Glimpse of the Mexican Fruit Fly Anastrepha ludens (Diptera: Tephritidae) Antenna Morphology and Proteome in Response to a Proteinaceous Attractant. International Journal of Molecular Sciences, 2020, 21, 8086.	1.8	9
398	Differential Protein Expression in Striatal D1- and D2-Dopamine Receptor-Expressing Medium Spiny Neurons. Proteomes, 2020, 8, 27.	1.7	6
399	Contextual Flexibility in Pseudomonas aeruginosa Central Carbon Metabolism during Growth in Single Carbon Sources. MBio, 2020, $11$ , .	1.8	57
400	Shared proteomic effects of cerebral atherosclerosis and Alzheimer's disease on the human brain. Nature Neuroscience, 2020, 23, 696-700.	7.1	86
401	Evaluation of the Potential Risk of Advanced Peak Determination in Distorting Isobaric Labelingâ€Based Singleâ€Shot Proteome Quantitation. Proteomics, 2020, 20, 1900255.	1.3	0
402	Multiplexed Comparative Analysis of Intact Glycopeptides Using Electron-Transfer Dissociation and Synchronous Precursor Selection Based Triple-Stage Mass Spectrometry. Analytical Chemistry, 2020, 92, 7547-7555.	3.2	11
403	<i>In Vivo</i> Fast Photochemical Oxidation of Proteins Using Enhanced Multiplexing Proteomics. Analytical Chemistry, 2020, 92, 7596-7603.	3.2	10
404	Flow-cytometric microglial sorting coupled with quantitative proteomics identifies moesin as a highly-abundant microglial protein with relevance to Alzheimer's disease. Molecular Neurodegeneration, 2020, 15, 28.	4.4	37
405	Organellar Maps Through Proteomic Profiling – A Conceptual Guide. Molecular and Cellular Proteomics, 2020, 19, 1076-1087.	2.5	32
406	Phosphoproteomics of CD2 signaling reveals AMPK-dependent regulation of lytic granule polarization in cytotoxic T cells. Science Signaling, 2020, 13, .	1.6	18
407	Tandem Mass Tag Approach Utilizing Pervanadate BOOST Channels Delivers Deeper Quantitative Characterization of the Tyrosine Phosphoproteome. Molecular and Cellular Proteomics, 2020, 19, 730-743.	2.5	37
408	High-throughput transcriptomic and proteomic profiling of mesenchymal-amoeboid transition in 3D collagen. Scientific Data, 2020, 7, 160.	2.4	15

#	Article	IF	Citations
409	High-Resolution InÂVivo Identification of miRNA Targets by Halo-Enhanced Ago2 Pull-Down. Molecular Cell, 2020, 79, 167-179.e11.	4.5	36
410	Differential Activation of Immune Cells for Genetically Different Decellularized Cardiac Tissues. Tissue Engineering - Part A, 2020, 26, 1180-1198.	1.6	16
411	21-plex DiLeu Isobaric Tags for High-Throughput Quantitative Proteomics. Analytical Chemistry, 2020, 92, 8228-8234.	3.2	41
412	Instrument Logic Increases Identifications during Mutliplexed Translatome Measurements. Analytical Chemistry, 2020, 92, 8041-8045.	3.2	10
413	Molecular dissection of Chagas induced cardiomyopathy reveals central disease associated and druggable signaling pathways. PLoS Neglected Tropical Diseases, 2020, 14, e0007980.	1.3	9
414	Blistering 1 Modulates Penicillium expansum Virulence Via Vesicle-mediated Protein Secretion. Molecular and Cellular Proteomics, 2020, 19, 344-361.	2.5	22
415	Extending the Comprehensiveness of Immunopeptidome Analyses Using Isobaric Peptide Labeling. Analytical Chemistry, 2020, 92, 9194-9204.	3.2	43
416	TMTpro reagents: a set of isobaric labeling mass tags enables simultaneous proteome-wide measurements across 16 samples. Nature Methods, 2020, 17, 399-404.	9.0	276
417	Quantitative Proteomics Reveals Distinct Molecular Signatures of Different Cerebellum-Dependent Learning Paradigms. Journal of Proteome Research, 2020, 19, 2011-2025.	1.8	2
418	Chromatin accessibility promotes hematopoietic and leukemia stem cell activity. Nature Communications, 2020, $11,1406$ .	5.8	32
419	Isoformâ€resolved correlation analysis between <scp>mRNA</scp> abundance regulation and protein level degradation. Molecular Systems Biology, 2020, 16, e9170.	3.2	42
420	Global Landscape and Dynamics of Parkin and USP30-Dependent Ubiquitylomes in iNeurons during Mitophagic Signaling. Molecular Cell, 2020, 77, 1124-1142.e10.	4.5	143
421	Paradoxical mitotic exit induced by a small molecule inhibitor of APC/CCdc20. Nature Chemical Biology, 2020, 16, 546-555.	3.9	16
422	Mass Spectrometry Advances and Perspectives for the Characterization of Emerging Adoptive Cell Therapies. Molecules, 2020, 25, 1396.	1.7	11
423	A Triple Knockout Isobaric-Labeling Quality Control Platform with an Integrated Online Database Search. Journal of the American Society for Mass Spectrometry, 2020, 31, 1344-1349.	1.2	15
424	Selection of Heating Temperatures Improves the Sensitivity of the Proteome Integral Solubility Alteration Assay. Journal of Proteome Research, 2020, 19, 2159-2166.	1.8	36
425	RNA helicase DDX21 mediates nucleotide stress responses in neural crest and melanoma cells. Nature Cell Biology, 2020, 22, 372-379.	4.6	37
426	Discovery of a selective inhibitor of doublecortin like kinase 1. Nature Chemical Biology, 2020, 16, 635-643.	3.9	84

#	Article	IF	CITATIONS
427	Comprehensive cell surface proteomics defines markers of classical, intermediate and non-classical monocytes. Scientific Reports, 2020, 10, 4560.	1.6	28
428	Full-Featured, Real-Time Database Searching Platform Enables Fast and Accurate Multiplexed Quantitative Proteomics. Journal of Proteome Research, 2020, 19, 2026-2034.	1.8	171
429	Dynamic Regulation of Mitochondrial Import by the Ubiquitin System. Molecular Cell, 2020, 77, 1107-1123.e10.	4.5	101
430	Comparative Analysis of Quantitative Mass Spectrometric Methods for Subcellular Proteomics. Journal of Proteome Research, 2020, 19, 1718-1730.	1.8	15
431	The Insulin Receptor Adaptor IRS2 is an APC/C Substrate That Promotes Cell Cycle Protein Expression and a Robust Spindle Assembly Checkpoint. Molecular and Cellular Proteomics, 2020, 19, 1450-1467.	2.5	6
432	Systematic quantitative analysis of ribosome inventory during nutrient stress. Nature, 2020, 583, 303-309.	13.7	78
433	Phosphoproteomic quantitation and causal analysis reveal pathways in GPVI/ITAM-mediated platelet activation programs. Blood, 2020, 136, 2346-2358.	0.6	53
434	Simple Method to Quantify Protein Abundances from 1000 Cells. ACS Omega, 2020, 5, 15537-15546.	1.6	6
435	Data, Reagents, Assays and Merits of Proteomics for SARS-CoV-2 Research and Testing. Molecular and Cellular Proteomics, 2020, 19, 1503-1522.	2.5	78
436	Quantitative proteomics reveals rapid divergence in the postmating response of female reproductive tracts among sibling species. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201030.	1.2	15
437	Efficient recovery of the RNA-bound proteome and protein-bound transcriptome using phase separation (OOPS). Nature Protocols, 2020, 15, 2568-2588.	5.5	15
438	A Plasma Protein Network Regulates PM20D1 and N-Acyl Amino Acid Bioactivity. Cell Chemical Biology, 2020, 27, 1130-1139.e4.	2.5	11
439	Accurate and Sensitive Quantitation of the Dynamic Heat Shock Proteome Using Tandem Mass Tags. Journal of Proteome Research, 2020, 19, 1183-1195.	1.8	9
440	Deregulation of ribosomal protein expression and translation promotes breast cancer metastasis. Science, 2020, 367, 1468-1473.	6.0	214
441	A Quantitative Tissue-Specific Landscape of Protein Redox Regulation during Aging. Cell, 2020, 180, 968-983.e24.	13.5	220
442	Progress and pitfalls of using isobaric mass tags for proteome profiling. Expert Review of Proteomics, 2020, 17, 149-161.	1.3	22
443	Organ-level protein networks as a reference for the host effects of the microbiome. Genome Research, 2020, 30, 276-286.	2.4	6
444	Placental growth factor regulates the pentose phosphate pathway and antioxidant defense systems in human retinal endothelial cells. Journal of Proteomics, 2020, 217, 103682.	1.2	11

#	Article	IF	CITATIONS
445	Human and mouse single-nucleus transcriptomics reveal TREM2-dependent and TREM2-independent cellular responses in Alzheimer's disease. Nature Medicine, 2020, 26, 131-142.	15.2	641
446	Quantitative Proteomics of the Cancer Cell Line Encyclopedia. Cell, 2020, 180, 387-402.e16.	13.5	596
447	Rapid and deep-scale ubiquitylation profiling for biology and translational research. Nature Communications, 2020, 11, 359.	5.8	75
448	A Multi-Omics Interpretable Machine Learning Model Reveals Modes of Action of Small Molecules. Scientific Reports, 2020, 10, 954.	1.6	27
449	Biotin proximity tagging favours unfolded proteins and enables the study of intrinsically disordered regions. Communications Biology, 2020, 3, 38.	2.0	26
450	Evaluating Combined Precursor Isotopic Labeling and Isobaric Tagging Performance on Orbitraps To Study the Peripheral Proteome of Alzheimer's Disease. Analytical Chemistry, 2020, 92, 2911-2916.	3.2	11
451	Elucidating Proteoform Dynamics Underlying the Senescence Associated Secretory Phenotype. Journal of Proteome Research, 2020, 19, 938-948.	1.8	8
452	Parallel Notched Gas-Phase Enrichment for Improved Proteome Identification and Quantification with Fast Spectral Acquisition Rates. Journal of Proteome Research, 2020, 19, 2750-2757.	1.8	4
453	Mechanism of adrenergic CaV1.2 stimulation revealed by proximity proteomics. Nature, 2020, 577, 695-700.	13.7	163
454	Advances and applications of stable isotope labeling-based methods for proteome relative quantitation. TrAC - Trends in Analytical Chemistry, 2020, 124, 115815.	5.8	9
455	Obtusaquinone: A Cysteine-Modifying Compound That Targets Keap1 for Degradation. ACS Chemical Biology, 2020, 15, 1445-1454.	1.6	18
456	Inhibition of sphingolipid synthesis improves outcomes and survival in GARP mutant <i>wobbler</i> mice, a model of motor neuron degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10565-10574.	3.3	33
457	ProteoViz: a tool for the analysis and interactive visualization of phosphoproteomics data. Molecular Omics, 2020, 16, 316-326.	1.4	19
458	Thermal proteome profiling for interrogating protein interactions. Molecular Systems Biology, 2020, 16, e9232.	3.2	150
459	Defining and Targeting Adaptations to Oncogenic KRASG12C Inhibition Using Quantitative Temporal Proteomics. Cell Reports, 2020, 30, 4584-4599.e4.	2.9	53
460	Cdk1 Controls Global Epigenetic Landscape in Embryonic Stem Cells. Molecular Cell, 2020, 78, 459-476.e13.	4.5	76
461	Benchmarking the Orbitrap Tribrid Eclipse for Next Generation Multiplexed Proteomics. Analytical Chemistry, 2020, 92, 6478-6485.	3.2	44
462	An Improved Boosting to Amplify Signal with Isobaric Labeling (iBASIL) Strategy for Precise Quantitative Single-cell Proteomics. Molecular and Cellular Proteomics, 2020, 19, 828-838.	2.5	121

#	Article	IF	CITATIONS
463	Sample multiplexing for targeted pathway proteomics in aging mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9723-9732.	3.3	73
464	Autophagy promotes immune evasion of pancreatic cancer by degrading MHC-l. Nature, 2020, 581, 100-105.	13.7	628
465	Genetic predisposition for increased red blood cell distribution width is an early risk factor for cardiovascular and renal comorbidities. DMM Disease Models and Mechanisms, 2020, 13, .	1.2	4
466	A critical comparison of three MSâ€based approaches for quantitative proteomics analysis. Journal of Mass Spectrometry, 2021, 56, e4669.	0.7	13
467	HYpro16: A Two-Proteome Mixture to Assess Interference in Isobaric Tag-Based Sample Multiplexing Experiments. Journal of the American Society for Mass Spectrometry, 2021, 32, 247-254.	1.2	18
468	Deep Profiling of Microgram-Scale Proteome by Tandem Mass Tag Mass Spectrometry. Journal of Proteome Research, 2021, 20, 337-345.	1.8	21
469	Defining the carrier proteome limit for single-cell proteomics. Nature Methods, 2021, 18, 76-83.	9.0	142
470	Targeting immunosuppressive macrophages overcomes PARP inhibitor resistance in BRCA1-associated triple-negative breast cancer. Nature Cancer, 2021, 2, 66-82.	5.7	126
471	Neuronal Protein Farnesylation Regulates Hippocampal Synaptic Plasticity and Cognitive Function. Molecular Neurobiology, 2021, 58, 1128-1144.	1.9	18
472	Comparison of MS2, synchronous precursor selection MS3, and real-time search MS3 methodologies for lung proteomes of hydrogen sulfide treated swine. Analytical and Bioanalytical Chemistry, 2021, 413, 419-429.	1.9	6
473	Impact of Zika virus on the human type I interferon osteoimmune response. Cytokine, 2021, 137, 155342.	1.4	4
474	A Pragmatic Guide to Enrichment Strategies for Mass Spectrometry–Based Glycoproteomics. Molecular and Cellular Proteomics, 2021, 20, 100029.	2.5	121
475	Integrated Glycoproteomics Identifies a Role of N-Glycosylation and Galectin-1 on Myogenesis and Muscle Development. Molecular and Cellular Proteomics, 2021, 20, 100030.	2.5	31
477	Global to Assess Changes in Using Isobaric Labeling and Liquid Chromatography-Tandem Mass. Methods in Molecular Biology, 2021, 2365, 301-313.	0.4	2
478	Discovery of a Napabucasin PROTAC as an Effective Degrader of the E3 Ligase ZFP91. Journal of Medicinal Chemistry, 2021, 64, 1626-1648.	2.9	27
479	Tetracyclines promote survival and fitness in mitochondrial disease models. Nature Metabolism, 2021, 3, 33-42.	5.1	37
480	The Escherichia coli S2P intramembrane protease RseP regulates ferric citrate uptake by cleaving the sigma factor regulator FecR. Journal of Biological Chemistry, 2021, 296, 100673.	1.6	14
481	Isolation and characterization of extracellular vesicle subpopulations from tissues. Nature Protocols, 2021, 16, 1548-1580.	5.5	191

#	Article	IF	CITATIONS
482	Proteomics-Based Identification of DUB Substrates Using Selective Inhibitors. Cell Chemical Biology, 2021, 28, 78-87.e3.	2.5	27
483	Relative Quantification of Phosphorylated and Glycosylated Peptides from the Same Sample Using Isobaric Chemical Labelling with a Two-Step Enrichment Strategy. Methods in Molecular Biology, 2021, 2228, 185-203.	0.4	5
484	Quantifying Proteome and Protein Modifications in Activated T Cells by Multiplexed Isobaric Labeling Mass Spectrometry. Methods in Molecular Biology, 2021, 2285, 297-317.	0.4	1
486	Selective degradation-inducing probes for studying cereblon (CRBN) biology. RSC Medicinal Chemistry, 2021, 12, 1381-1390.	1.7	17
487	Identification of Endogenous Kinase Substrates by Proximity Labeling Combined with Kinase Perturbation and Phosphorylation Motifs. Molecular and Cellular Proteomics, 2021, 20, 100119.	2.5	19
488	Multi-Q 2 software facilitates isobaric labeling quantitation analysis with improved accuracy and coverage. Scientific Reports, 2021, 11, 2233.	1.6	3
490	Enrichment of Neurodegenerative Microglia Signature in Brain-Derived Extracellular Vesicles Isolated from Alzheimer's Disease Mouse Models. Journal of Proteome Research, 2021, 20, 1733-1743.	1.8	34
492	Improved Proteomics-Based Drug Mechanism-of-Action Studies Using 16-Plex Isobaric Mass Tags. Journal of Proteome Research, 2021, 20, 1792-1801.	1.8	29
493	Why Inclusion Matters for Alzheimer's Disease Biomarker Discovery in Plasma. Journal of Alzheimer's Disease, 2021, 79, 1327-1344.	1.2	16
494	The influence of the R47H triggering receptor expressed on myeloid cells 2 variant on microglial exosome profiles. Brain Communications, 2021, 3, fcab009.	1.5	7
495	Comparative Cell Surface Proteomic Analysis of the Primary Human T Cell and Monocyte Responses to Type I Interferon. Frontiers in Immunology, 2021, 12, 600056.	2.2	7
496	Proximity proteomics in a marine diatom reveals a putative cell surface-to-chloroplast iron trafficking pathway. ELife, 2021, 10, .	2.8	18
497	Categorization of Phosphorylation Site Behavior during the Diauxic Shift in <i>Saccharomyces cerevisiae</i> . Journal of Proteome Research, 2021, 20, 2487-2496.	1.8	2
498	Rapid toxin sequestration modifies poison frog physiology. Journal of Experimental Biology, 2021, 224,	0.8	23
499	Dual DNA and protein tagging of open chromatin unveils dynamics of epigenomic landscapes in leukemia. Nature Methods, 2021, 18, 293-302.	9.0	9
500	Tissue-specific proteome characterization of avocado seed during postharvest shelf life. Journal of Proteomics, 2021, 235, 104112.	1.2	4
501	Strain-Specific Peptide (SSP) Interference Reference Sample: A Genetically Encoded Quality Control for Isobaric Tagging Strategies. Analytical Chemistry, 2021, 93, 5241-5247.	3.2	8
503	Discovery and resistance mechanism of a selective CDK12 degrader. Nature Chemical Biology, 2021, 17, 675-683.	3.9	69

#	ARTICLE	IF	CITATIONS
504	Genetic control of the human brain proteome. American Journal of Human Genetics, 2021, 108, 400-410.	2.6	52
506	Autism-linked Cullin3 germline haploinsufficiency impacts cytoskeletal dynamics and cortical neurogenesis through RhoA signaling. Molecular Psychiatry, 2021, 26, 3586-3613.	4.1	26
507	Time-resolved phosphoproteomics reveals scaffolding and catalysis-responsive patterns of SHP2-dependent signaling. ELife, $2021,10,10$	2.8	17
508	A Multi-Mineral Intervention to Modulate Colonic Mucosal Protein Profile: Results from a 90-Day Trial in Human Subjects. Nutrients, 2021, 13, 939.	1.7	10
509	Advances in quantitative highâ€throughput phosphoproteomics with sample multiplexing. Proteomics, 2021, 21, e2000140.	1.3	22
510	ORF10–Cullin-2–ZYG11B complex is not required for SARS-CoV-2 infection. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	26
511	Proteomic Profiling of IgG1 Producing CHO Cells Using LC/LC-SPS-MS3: The Effects of Bioprocessing Conditions on Productivity and Product Quality. Frontiers in Bioengineering and Biotechnology, 2021, 9, 569045.	2.0	8
512	Iron Deficiency and Recovery in Yeast: A Quantitative Proteomics Approach. Journal of Proteome Research, 2021, 20, 2751-2761.	1.8	4
513	A Sos proteomimetic as a pan-Ras inhibitor. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	18
514	TMTpro-18plex: The Expanded and Complete Set of TMTpro Reagents for Sample Multiplexing. Journal of Proteome Research, 2021, 20, 2964-2972.	1.8	158
515	Altered network and rescue of human neurons derived from individuals with early-onset genetic epilepsy. Molecular Psychiatry, 2021, 26, 7047-7068.	4.1	38
516	CLK1 reorganizes the splicing factor U1-70K for early spliceosomal protein assembly. Proceedings of the National Academy of Sciences of the United States of America, $2021, 118, \ldots$	3.3	13
517	Coupling of Cdc20 inhibition and activation by BubR1. Journal of Cell Biology, 2021, 220, .	2.3	15
520	Targeted degradation of the enhancer lysine acetyltransferases CBP and p300. Cell Chemical Biology, 2021, 28, 503-514.e12.	2.5	80
521	Spatially resolved cell polarity proteomics of a human epiblast model. Science Advances, 2021, 7, .	4.7	14
523	Subcellular proteomics. Nature Reviews Methods Primers, 2021, 1, .	11.8	159
524	TMTpro Complementary Ion Quantification Increases Plexing and Sensitivity for Accurate Multiplexed Proteomics at the MS2 Level. Journal of Proteome Research, 2021, 20, 3043-3052.	1.8	23
525	Isobaric Peptide Labeling on Digital Microfluidics for Quantitative Low Cell Number Proteomics. Analytical Chemistry, 2021, 93, 6278-6286.	3.2	13

#	Article	IF	Citations
526	Ovalbumin Antigen-Specific Activation of Human T Cell Receptor Closely Resembles Soluble Antibody Stimulation as Revealed by BOOST Phosphotyrosine Proteomics. Journal of Proteome Research, 2021, 20, 3330-3344.	1.8	4
528	Systematic analysis of migration factors by MigExpress identifies essential cell migration control genes in nonâ€small cell lung cancer. Molecular Oncology, 2021, 15, 1797-1817.	2.1	9
529	UCP1 governs liver extracellular succinate and inflammatory pathogenesis. Nature Metabolism, 2021, 3, 604-617.	5.1	82
530	Orphan nuclear receptor COUPâ€₹FII enhances myofibroblast glycolysis leading to kidney fibrosis. EMBO Reports, 2021, 22, e51169.	2.0	16
531	Identification of dynamic RNA-binding proteins uncovers a Cpeb4-controlled regulatory cascade during pathological cell growth of cardiomyocytes. Cell Reports, 2021, 35, 109100.	2.9	19
533	Acute pharmacological degradation of Helios destabilizes regulatory T cells. Nature Chemical Biology, 2021, 17, 711-717.	3.9	52
534	A PROTAC targets splicing factor 3B1. Cell Chemical Biology, 2021, 28, 1616-1627.e8.	2.5	15
535	Mapping Angiotensin II Type 1 Receptor-Biased Signaling Using Proximity Labeling and Proteomics Identifies Diverse Actions of Biased Agonists. Journal of Proteome Research, 2021, 20, 3256-3267.	1.8	11
536	Diesel exhaust exposure alters the expression of networks implicated in neurodegeneration in zebrafish brains. Cell Biology and Toxicology, 2021, , 1.	2.4	6
537	Comparing endocervical mucus proteome of humans and rhesus macaques. Proteomics - Clinical Applications, 2021, 15, e2100023.	0.8	8
538	Dual proteome-scale networks reveal cell-specific remodeling of the human interactome. Cell, 2021, 184, 3022-3040.e28.	13.5	455
539	Evaluation and Optimization of High-Field Asymmetric Waveform Ion-Mobility Spectrometry for Multiplexed Quantitative Site-Specific <i>N</i> -Glycoproteomics. Analytical Chemistry, 2021, 93, 8846-8855.	3.2	14
540	iDRiP for the systematic discovery of proteins bound directly to noncoding RNA. Nature Protocols, 2021, 16, 3672-3694.	5.5	12
541	Levetiracetam Treatment Normalizes Levels of Presynaptic Endocytosis Machinery and Restores Nonamyloidogenic APP Processing in <i>App</i> Knock-in Mice. Journal of Proteome Research, 2021, 20, 3580-3589.	1.8	9
542	Multiplexed proteomics of autophagy-deficient murine macrophages reveals enhanced antimicrobial immunity via the oxidative stress response. ELife, $2021$ , $10$ , .	2.8	10
543	The Alterations of Mitochondrial Function during NAFLD Progression—An Independent Effect of Mitochondrial ROS Production. International Journal of Molecular Sciences, 2021, 22, 6848.	1.8	24
544	Quantitative single-cell proteomics as a tool to characterize cellular hierarchies. Nature Communications, 2021, 12, 3341.	5.8	197
546	Chemical isotope labeling for quantitative proteomics. Mass Spectrometry Reviews, 2023, 42, 546-576.	2.8	20

#	Article	IF	Citations
549	Localization of Organelle Proteins by Isotope Tagging: Current status and potential applications in drug discovery research. Drug Discovery Today: Technologies, 2021, 39, 57-67.	4.0	5
551	Multisystem inflammatory syndrome in children is driven by zonulin-dependent loss of gut mucosal barrier. Journal of Clinical Investigation, 2021, 131, .	3.9	170
552	Mitochondrial calcium uniporter deletion prevents painful diabetic neuropathy by restoring mitochondrial morphology and dynamics. Pain, 2022, 163, 560-578.	2.0	19
553	Modulation of Glia-Mediated Processes by Spinal Cord Stimulation in Animal Models of Neuropathic Pain. Frontiers in Pain Research, 2021, 2, 702906.	0.9	8
554	Proteomics in the pharmaceutical and biotechnology industry: a look to the next decade. Expert Review of Proteomics, 2021, 18, 503-526.	1.3	21
556	Single-cell proteomics: A treasure trove in neurobiology. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140658.	1.1	12
557	A review on recent trends in the phosphoproteomics workflow. From sample preparation to data analysis. Analytica Chimica Acta, 2022, 1199, 338857.	2.6	31
558	Calcitriol Promotes Differentiation of Glioma Stem-Like Cells and Increases Their Susceptibility to Temozolomide. Cancers, 2021, 13, 3577.	1.7	12
559	Nanoscale Solid-Phase Isobaric Labeling for Multiplexed Quantitative Phosphoproteomics. Journal of Proteome Research, 2021, 20, 4193-4202.	1.8	7
561	Chemo-proteomics exploration of HDAC degradability by small molecule degraders. Cell Chemical Biology, 2021, 28, 1514-1527.e4.	2.5	41
562	E2F/Dp inactivation in fat body cells triggers systemic metabolic changes. ELife, 2021, 10, .	2.8	4
563	A Cdk4/6-dependent phosphorylation gradient regulates the early to late G1 phase transition. Scientific Reports, 2021, 11, 14736.	1.6	5
565	Differences in Extracellular Vesicle Protein Cargo Are Dependent on Head and Neck Squamous Cell Carcinoma Cell of Origin and Human Papillomavirus Status. Cancers, 2021, 13, 3714.	1.7	3
566	Structure-Guided Design of a "Bump-and-Hole―Bromodomain-Based Degradation Tag. Journal of Medicinal Chemistry, 2021, 64, 11637-11650.	2.9	11
567	Actinin BioID reveals sarcomere crosstalk with oxidative metabolism through interactions with IGF2BP2. Cell Reports, 2021, 36, 109512.	2.9	12
568	Selective dephosphorylation by PP2A-B55 directs the meiosis I-meiosis II transition in oocytes. ELife, 2021, 10, .	2.8	13
570	Quantitative Top-Down Proteomics by Isobaric Labeling with Thiol-Directed Tandem Mass Tags. Journal of Proteome Research, 2021, 20, 4495-4506.	1.8	20
571	Hepatitis C virus treatment with directâ€acting antivirals induces rapid changes in the hepatic proteome. Journal of Viral Hepatitis, 2021, 28, 1614-1623.	1.0	2

#	Article	IF	Citations
573	The biochemical basis of mitochondrial dysfunction in Zellweger Spectrum Disorder. EMBO Reports, 2021, 22, e51991.	2.0	27
574	Cortical organoids model early brain development disrupted by 16p11.2 copy number variants in autism. Molecular Psychiatry, 2021, 26, 7560-7580.	4.1	61
576	Integrated multi-omics analysis of RB-loss identifies widespread cellular programming and synthetic weaknesses. Communications Biology, 2021, 4, 977.	2.0	1
577	Multiplexed complexome profiling using tandem mass tags. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148448.	0.5	6
578	Comparison of LFQ and IPTL for Protein Identification and Relative Quantification. Molecules, 2021, 26, 5330.	1.7	1
580	Quantitative Temporal Viromics. Annual Review of Virology, 2021, 8, 159-181.	3.0	5
582	Protein Ligands in the Secretome of CD36+ Fibroblasts Induce Growth Suppression in a Subset of Breast Cancer Cell Lines. Cancers, 2021, 13, 4521.	1.7	9
583	Phosphoproteomics: a valuable tool for uncovering molecular signaling in cancer cells. Expert Review of Proteomics, 2021, 18, 661-674.	1.3	15
584	Interactome screening of <i>C9orf72 </i> dipeptide repeats reveals VCP sequestration and functional impairment by polyGA. Brain, 2022, 145, 684-699.	3.7	15
585	Protein profiling in the habenula after chronic (–)â€menthol exposure in mice. Journal of Neurochemistry, 2021, 158, 1345-1358.	2.1	2
586	Quantitative proteomics reveals the selectivity of ubiquitin-binding autophagy receptors in the turnover of damaged lysosomes by lysophagy. ELife, 2021, 10, .	2.8	59
587	Prospects and challenges of cancer systems medicine: from genes to disease networks. Briefings in Bioinformatics, 2022, 23, .	3.2	7
588	Synaptic proteins associated with cognitive performance and neuropathology in older humans revealed by multiplexed fractionated proteomics. Neurobiology of Aging, 2021, 105, 99-114.	1.5	32
591	Benchmarking Quantitative Performance in Label-Free Proteomics. ACS Omega, 2021, 6, 2494-2504.	1.6	27
592	A disorder-related variant (E420K) of a PP2A-regulatory subunit (PPP2R5D) causes constitutively active AKT-mTOR signaling and uncoordinated cell growth. Journal of Biological Chemistry, 2021, 296, 100313.	1.6	18
593	Global proteomics of Ubqln2-based murine models of ALS. Journal of Biological Chemistry, 2021, 296, 100153.	1.6	17
594	Striatal RGS7 Regulates Depression-Related Behaviors and Stress-Induced Reinstatement of Cocaine Conditioned Place Preference. ENeuro, 2021, 8, ENEURO.0365-20.2020.	0.9	7
595	Data-independent acquisition-based proteome and phosphoproteome profiling across six melanoma cell lines reveals determinants of proteotypes. Molecular Omics, 2021, 17, 413-425.	1.4	26

#	Article	IF	CITATIONS
596	Automated 16-Plex Plasma Proteomics with Real-Time Search and Ion Mobility Mass Spectrometry Enables Large-Scale Profiling in Naked Mole-Rats and Mice. Journal of Proteome Research, 2021, 20, 1280-1295.	1.8	24
597	Transitions in the Proteome and Phospho-Proteome During <i>Xenopus laevis</i> Development. SSRN Electronic Journal, 0, , .	0.4	1
598	Mammalian cell proliferation requires noncatalytic functions of O-GlcNAc transferase. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	48
599	Multiplexed Quantitative Proteomics for High-Throughput Comprehensive Proteome Comparisons of Human Cell Lines. Methods in Molecular Biology, 2016, 1394, 1-13.	0.4	77
600	TMT One-Stop Shop: From Reliable Sample Preparation to Computational Analysis Platform. Methods in Molecular Biology, 2017, 1549, 45-66.	0.4	30
601	Quantitative Peptidomics with Isotopic and Isobaric Tags. Methods in Molecular Biology, 2018, 1719, 141-159.	0.4	7
602	Mapping the Saccharomyces cerevisiae Spatial Proteome with High Resolution Using hyperLOPIT. Methods in Molecular Biology, 2019, 2049, 165-190.	0.4	8
603	Label-Based Mass Spectrometry Approaches for Robust Quantification of the Phosphoproteome and Total Proteome in Toxoplasma gondii. Methods in Molecular Biology, 2020, 2071, 453-468.	0.4	11
604	Phosphoproteome and transcription factor activity profiling identify actions of the anti-inflammatory agent UTL-5g in LPS stimulated RAW 264.7 cells including disrupting actin remodeling and STAT-3 activation. European Journal of Pharmacology, 2017, 811, 66-73.	1.7	3
605	Extending the Separation Space with Trapped Ion Mobility Spectrometry Improves the Accuracy of Isobaric Tag-Based Quantitation in Proteomic LC/MS/MS. Analytical Chemistry, 2020, 92, 8037-8040.	3.2	36
606	Improved Method for Determining Absolute Phosphorylation Stoichiometry Using Bayesian Statistics and Isobaric Labeling. Journal of Proteome Research, 2017, 16, 4217-4226.	1.8	25
607	Metabolic labeling with an alkyne probe reveals similarities and differences in the prenylomes of several brain-derived cell lines and primary cells. Scientific Reports, 2021, 11, 4367.	1.6	8
608	A dynamic view of the proteomic landscape during differentiation of ReNcell VM cells, an immortalized human neural progenitor line. Scientific Data, 2019, 6, 190016.	2.4	34
609	Emerging mass spectrometry-based proteomics methodologies for novel biomedical applications. Biochemical Society Transactions, 2020, 48, 1953-1966.	1.6	22
610	Integral membrane proteins: bottom-up, top-down and structural proteomics. Expert Review of Proteomics, 2017, 14, 715-723.	1.3	59
611	Fission yeast Pak1 phosphorylates an illin-like Mid1 for spatial control of cytokinesis. Journal of Cell Biology, 2020, 219, .	2.3	29
612	Benzothiadiazole Conditions the Bean Proteome for Immunity to Bean Rust. Molecular Plant-Microbe Interactions, 2020, 33, 600-611.	1.4	8
613	Tau Contributes to Sevoflurane-induced Neurocognitive Impairment in Neonatal Mice. Anesthesiology, 2020, 133, 595-610.	1.3	78

#	Article	IF	CITATIONS
646	A Bioconductor workflow for processing and analysing spatial proteomics data. F1000Research, 2016, 5, 2926.	0.8	34
647	A Bioconductor workflow for processing and analysing spatial proteomics data. F1000Research, 2016, 5, 2926.	0.8	26
648	Learning from Heterogeneous Data Sources: An Application in Spatial Proteomics. PLoS Computational Biology, 2016, 12, e1004920.	1.5	47
649	A semi-supervised Bayesian approach for simultaneous protein sub-cellular localisation assignment and novelty detection. PLoS Computational Biology, 2020, 16, e1008288.	1.5	16
650	Custom 4-Plex DiLeu Isobaric Labels Enable Relative Quantification of Urinary Proteins in Men with Lower Urinary Tract Symptoms (LUTS). PLoS ONE, 2015, 10, e0135415.	1.1	27
651	Identification of the S-transferase like superfamily bacillithiol transferases encoded by Bacillus subtilis. PLoS ONE, 2018, 13, e0192977.	1.1	8
652	Human shelterin protein <scp>POT</scp> 1 prevents severe telomere instability induced by homologyâ€directed <scp>DNA</scp> repair. EMBO Journal, 2020, 39, e104500.	3.5	30
653	Alveolar macrophageâ€derived extracellular vesicles inhibit endosomal fusion of influenza virus. EMBO Journal, 2020, 39, e105057.	3.5	7
654	Stromal Microenvironment Shapes the Intratumoral Architecture of Pancreatic Cancer. SSRN Electronic Journal, $0, \dots$	0.4	2
655	Chronic platelet-derived growth factor receptor signaling exerts control over initiation of protein translation in glioma. Life Science Alliance, 2018, 1, e201800029.	1.3	5
656	Ubiquilin1 promotes antigen-receptor mediated proliferation by eliminating mislocalized mitochondrial proteins. ELife, 2017, 6, .	2.8	37
657	Kinesin superfamily protein Kif26b links Wnt5a-Ror signaling to the control of cell and tissue behaviors in vertebrates. ELife, 2017, 6, .	2.8	33
658	An assay for de novo kinetochore assembly reveals a key role for the CENP-T pathway in budding yeast. ELife, 2018, 7, .	2.8	46
659	Thalidomide promotes degradation of SALL4, a transcription factor implicated in Duane Radial Ray syndrome. ELife, 2018, 7, .	2.8	314
660	Targeted degradation of aberrant tau in frontotemporal dementia patient-derived neuronal cell models. ELife, 2019, 8, .	2.8	184
661	Human cytomegalovirus interactome analysis identifies degradation hubs, domain associations and viral protein functions. ELife, 2019, 8, .	2.8	84
662	YAP regulates cell size and growth dynamics via non-cell autonomous mediators. ELife, 2020, 9, .	2.8	28
663	Population-scale proteome variation in human induced pluripotent stem cells. ELife, 2020, 9, .	2.8	40

#	Article	IF	CITATIONS
664	EDF1 coordinates cellular responses to ribosome collisions. ELife, 2020, 9, .	2.8	96
666	An Introduction to Advanced Targeted Acquisition Methods. Molecular and Cellular Proteomics, 2021, 20, 100165.	2.5	52
671	Temporal proteomics during neurogenesis reveals large-scale proteome and organelle remodeling via selective autophagy. Molecular Cell, 2021, 81, 5082-5098.e11.	<b>4.</b> 5	52
673	PCSK9 Activity Is Potentiated Through HDL Binding. Circulation Research, 2021, 129, 1039-1053.	2.0	13
676	Analysis of Brain Phosphoproteome Using Titanium Dioxide Enrichment and High-Resolution LC-MS/MS. Neuromethods, 2017, , 141-159.	0.2	1
681	Current technical advances for high throughput and deep proteome analysis. Denki Eido, 2018, 62, 39-42.	0.0	O
682	Multi-Omics Profiling Establishes the Polypharmacology of FDA Approved CSK4/6 Inhibitors and Its Impact on Drug Response. SSRN Electronic Journal, 0, , .	0.4	1
695	Neuroproteomics: The Methods. Neuromethods, 2019, , 1-6.	0.2	0
696	TMT-MS3-Enabled Proteomic Quantification of Human IPSC-Derived Neurons. Neuromethods, 2019, , 103-117.	0.2	0
697	A Protocol to Map the Spatial Proteome Using HyperLOPIT in Saccharomyces cerevisiae. Bio-protocol, 2019, 9, e3303.	0.2	2
698	Advances in Mass Spectrometry-Based Proteomics and Its Application in Cancer Research., 2019,, 89-112.		0
719	Glycogen metabolism links glucose homeostasis to thermogenesis in adipocytes. Nature, 2021, 599, 296-301.	13.7	36
720	SLC25A39 is necessary for mitochondrial glutathione import in mammalian cells. Nature, 2021, 599, 136-140.	13.7	89
727	Chemical derivatization of peptides for quantitative proteomics. , 2022, , 75-94.		0
728	"Omics―approaches to determine protease degradomes in complex biological matrices. , 2022, , 209-228.		0
736	Global characterization of macrophage polarization mechanisms and identification of M2-type polarization inhibitors. Cell Reports, 2021, 37, 109955.	2.9	89
737	FGFR-inhibitor-mediated dismissal of SWI/SNF complexes from YAP-dependent enhancers induces adaptive therapeutic resistance. Nature Cell Biology, 2021, 23, 1187-1198.	4.6	21
744	Quantitative proteomic analyses reveal the dynamics of protein and amino acid accumulation during soybean seed development. Proteomics, 2021, , 2100143.	1.3	O

#	Article	IF	Citations
745	Comparative Proteome Signatures of Trace Samples by Multiplexed Data-Independent Acquisition. Molecular and Cellular Proteomics, 2022, 21, 100177.	2.5	20
746	Differences in the Abundance of Auxin Homeostasis Proteins Suggest Their Central Roles for In Vitro Tissue Differentiation in Coffea arabica. Plants, 2021, 10, 2607.	1.6	3
747	Regulation of PP2A, PP4, and PP6 holoenzyme assembly by carboxyl-terminal methylation. Scientific Reports, 2021, 11, 23031.	1.6	10
748	Global ubiquitylation analysis of mitochondria in primary neurons identifies endogenous Parkin targets following activation of PINK1. Science Advances, 2021, 7, eabj0722.	4.7	29
749	Nutritional reprogramming of mouse liver proteome is dampened by metformin, resveratrol, and rapamycin. Cell Metabolism, 2021, 33, 2367-2379.e4.	7.2	30
750	B cells support the repair of injured tissues by adopting MyD88â€dependent regulatory functions and phenotype. FASEB Journal, 2021, 35, e22019.	0.2	7
751	Cysteine 253 of UCP1 regulates energy expenditure and sex-dependent adipose tissue inflammation. Cell Metabolism, 2022, 34, 140-157.e8.	7.2	27
<b>7</b> 54	Studying Autophagy Using a TMT-Based Quantitative Proteomics Approach. Methods in Molecular Biology, 2022, 2445, 183-203.	0.4	2
755	Proteomic Profiling of Cerebrospinal Fluid by 16-Plex TMT-Based Mass Spectrometry. Methods in Molecular Biology, 2022, 2420, 21-37.	0.4	7
756	Brain-derived autophagosome profiling reveals the engulfment of nucleoid-enriched mitochondrial fragments by basal autophagy in neurons. Neuron, 2022, 110, 967-976.e8.	3.8	43
758	A network of $G\hat{l}_{\pm}$ (sub) i( sub) signaling partners is revealed by proximity labeling proteomics analysis and includes PDZ-RhoGEF. Science Signaling, 2022, 15, eabi9869.	1.6	6
759	Tissue differences in the exosomal/small extracellular vesicle proteome and their potential as indicators of altered tissue metabolism. Cell Reports, 2022, 38, 110277.	2.9	51
760	Complexome Profilingâ€"Exploring Mitochondrial Protein Complexes in Health and Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 796128.	1.8	20
761	The Candida albicans Cdk8-dependent phosphoproteome reveals repression of hyphal growth through a Flo8-dependent pathway. PLoS Genetics, 2022, 18, e1009622.	1.5	10
762	Rapid factor depletion highlights intricacies of nucleoplasmic RNA degradation. Nucleic Acids Research, 2022, 50, 1583-1600.	6.5	15
763	Quantitative Proteomics Using Isobaric Labeling: A Practical Guide. Genomics, Proteomics and Bioinformatics, 2021, 19, 689-706.	3.0	37
764	APC7 mediates ubiquitin signaling in constitutive heterochromatin in the developing mammalian brain. Molecular Cell, 2022, 82, 90-105.e13.	4.5	4
765	Differential target multiplexed spinal cord stimulation programming modulates proteins involved in ion regulation in an animal model of neuropathic pain. Molecular Pain, 2022, 18, 174480692110601.	1.0	9

#	ARTICLE	IF	CITATIONS
766	Assessing interference in isobaric tagâ€based sample multiplexing using an 18â€plex interference standard. Proteomics, 2022, 22, e2100317.	1.3	5
767	Proteomic analysis in primary T cells reveals IL-7 alters T cell receptor thresholding via CYTIP/cytohesin/LFA-1 localisation and activation. Biochemical Journal, 2022, 479, 225-243.	1.7	0
769	Activity-based protein profiling reveals dynamic substrate-specific cellulase secretion by saprotrophic basidiomycetes., 2022, 15, 6.		5
770	Detecting and identifying glycoside hydrolases using cyclophellitol-derived activity-based probes. Methods in Enzymology, 2022, 664, 103-134.	0.4	1
771	Motif-centric phosphoproteomics to target kinase-mediated signaling pathways. Cell Reports Methods, 2022, 2, 100138.	1.4	10
772	Signaling metabolite L-2-hydroxyglutarate activates the transcription factor HIF- $1\hat{l}\pm$ in lipopolysaccharide-activated macrophages. Journal of Biological Chemistry, 2022, 298, 101501.	1.6	15
774	Infrared Photoactivation Boosts Reporter Ion Yield in Isobaric Tagging. Analytical Chemistry, 2022, , .	3.2	2
775	Targeting SWI/SNF ATPases in enhancer-addicted prostate cancer. Nature, 2022, 601, 434-439.	13.7	110
776	A validated analysis pipeline for mass spectrometry-based vitreous proteomics: new insights into proliferative diabetic retinopathy. Clinical Proteomics, 2021, 18, 28.	1,1	4
778	Mapping Proteome Changes in Microsatellite Stable, Recurrent Colon Cancer Reveals a Significant Immune System Signature. Cancer Genomics and Proteomics, 2022, 19, 130-144.	1.0	0
779	The Intriguing Landscape of Singleâ€Cell Protein Analysis. Advanced Science, 2022, 9, e2105932.	5.6	23
781	Enhancing Cysteine Chemoproteomic Coverage through Systematic Assessment of Click Chemistry Product Fragmentation. Analytical Chemistry, 2022, 94, 3800-3810.	3.2	16
782	Metaproteomic profiling of fungal gut colonization in gnotobiotic mice. Animal Microbiome, 2022, 4, 14.	1.5	5
783	Phosphoproteome Profiling Using an Isobaric Carrier without the Need for Phosphoenrichment. Analytical Chemistry, 2022, 94, 4192-4200.	3.2	8
784	Prior Signal Acquisition Software Versions for Orbitrap Underestimate Low Isobaric Mass Tag Intensities, Without Detriment to Differential Abundance Experiments. ACS Measurement Science Au, 2022, 2, 233-240.	1.9	0
785	Timeâ€series transcriptomics and proteomics reveal alternative modes to decode p53 oscillations. Molecular Systems Biology, 2022, 18, e10588.	3.2	16
787	Optimized TMT-Based Quantitative Cross-Linking Mass Spectrometry Strategy for Large-Scale Interactomic Studies. Analytical Chemistry, 2022, 94, 5265-5272.	3.2	10
788	Ubiquitinomics: History, methods, and applications in basic research and drug discovery. Proteomics, 2022, 22, e2200074.	1.3	11

#	Article	IF	CITATIONS
789	Phosphoproteome Profiling of the Receptor Tyrosine Kinase MuSK Identifies Tyrosine Phosphorylation of Rab GTPases. Molecular and Cellular Proteomics, 2022, 21, 100221.	2.5	5
790	Real-Time Search-Assisted Acquisition on a Tribrid Mass Spectrometer Improves Coverage in Multiplexed Single-Cell Proteomics. Molecular and Cellular Proteomics, 2022, 21, 100219.	2.5	44
791	USP28 enables oncogenic transformation of respiratory cells, and its inhibition potentiates molecular therapy targeting mutant EGFR, BRAF and PI3K. Molecular Oncology, 2022, 16, 3082-3106.	2.1	4
792	Phosphoproteomic analysis of thrombin- and p38 MAPK-regulated signaling networks in endothelial cells. Journal of Biological Chemistry, 2022, 298, 101801.	1.6	8
793	High-throughput site-specific $\langle i \rangle N \langle  i \rangle$ -glycoproteomics reveals glyco-signatures for liver disease diagnosis. National Science Review, 2023, 10, .	4.6	11
794	Modern Data Acquisition Approaches in Proteomics Based on Dynamic Instrument Control. Journal of Proteome Research, 2022, 21, 1209-1217.	1.8	3
795	Proteomic and Phosphoproteomic Changes of MAPK-Related Inflammatory Response in an Animal Model of Neuropathic Pain by Differential Target Multiplexed SCS and Low-Rate SCS. Journal of Pain Research, 2022, Volume 15, 895-907.	0.8	5
796	Multi-omic based production strain improvement (MOBpsi) for bio-manufacturing of toxic chemicals. Metabolic Engineering, 2022, 72, 133-149.	3.6	6
799	Multiomic analysis identifies CPT1A as a potential therapeutic target in platinum-refractory, high-grade serous ovarian cancer. Cell Reports Medicine, 2021, 2, 100471.	3.3	26
800	Development of PDE6D and CK1α Degraders through Chemical Derivatization of FPFT-2216. Journal of Medicinal Chemistry, 2022, 65, 747-756.	2.9	15
801	Copper depletion modulates mitochondrial oxidative phosphorylation to impair triple negative breast cancer metastasis. Nature Communications, 2021, 12, 7311.	5.8	101
803	Plasma lipopolysaccharideâ€binding protein is a biomarker for future venous thromboembolism: Results from discovery and validation studies. Journal of Internal Medicine, 2022, 292, 523-535.	2.7	4
805	Centrosome-dependent microtubule modifications set the conditions for axon formation. Cell Reports, 2022, 39, 110686.	2.9	6
806	Integrative description of changes occurring on zebrafish embryos exposed to water-soluble crude oil components and its mixture with a chemical surfactant. Toxicology and Applied Pharmacology, 2022, , 116033.	1.3	3
845	Relapse-like behavior and nAChR sensitization following intermittent access nicotine self-administration. Neuropharmacology, 2022, 212, 109066.	2.0	8
846	PTEN mutant non-small cell lung cancer require ATM to suppress pro-apoptotic signalling and evade radiotherapy. Cell and Bioscience, 2022, 12, 50.	2.1	9
847	Profiling Yeast Deletion Strains Using Sample Multiplexing and Network-Based Analyses. Journal of Proteome Research, 2022, , .	1.8	1
848	Liver Protein Expression in NASH Mice on a High-Fat Diet: Response to Multi-Mineral Intervention. Frontiers in Nutrition, 2022, 9, .	1.6	4

#	Article	IF	CITATIONS
849	IKAROS and MENIN coordinate therapeutically actionable leukemogenic gene expression in MLL-r acute myeloid leukemia. Nature Cancer, 2022, 3, 595-613.	5.7	16
850	Optimized sample preparation and data analysis for TMT proteomic analysis of cerebrospinal fluid applied to the identification of Alzheimer's disease biomarkers. Clinical Proteomics, 2022, 19, 13.	1.1	10
855	Comparative proteome analysis of the midgut of Rhipicephalus microplus (Acari: Ixodidae) strains with contrasting resistance to ivermectin reveals the activation of proteins involved in the detoxification metabolism. Journal of Proteomics, 2022, 263, 104618.	1.2	4
857	CD4+ T helper 2 cells suppress breast cancer by inducing terminal differentiation. Journal of Experimental Medicine, 2022, 219, .	4.2	26
859	Selective modulation of cell surface proteins during vaccinia infection: A resource for identifying viral immune evasion strategies. PLoS Pathogens, 2022, 18, e1010612.	2.1	6
860	29â€Plex tandem mass tag mass spectrometry enabling accurate quantification by interference correction. Proteomics, 2022, 22, .	1.3	15
861	Comparative Proteome and Cis-Regulatory Element Analysis Reveals Specific Molecular Pathways Conserved in Dog and Human Brains. Molecular and Cellular Proteomics, 2022, 21, 100261.	2.5	7
862	Glycoproteomics. Nature Reviews Methods Primers, 2022, 2, .	11.8	61
863	Mass Spectrometry-Based Proteomic Analysis in Neurodegenerative Disorders' Research. , 2022, , 27-48.		0
864	The $22q11.2$ region regulates presynaptic gene-products linked to schizophrenia. Nature Communications, 2022, $13$ , .	5.8	22
865	Coordinated Transcriptional and Catabolic Programs Support Iron-Dependent Adaptation to RAS–MAPK Pathway Inhibition in Pancreatic Cancer. Cancer Discovery, 2022, 12, 2198-2219.	7.7	32
866	Differences in Antioxidant and Lipid Handling Protein Expression Influence How Cells Expressing Distinct Mutant TP53 Subtypes Maintain Iron Homeostasis. Cells, 2022, 11, 2064.	1.8	1
867	IsobaricQuant enables crossâ€platform quantification, visualization, and filtering of isobaricallyâ€labeled peptides. Proteomics, 0, , 2100253.	1.3	3
868	Fingolimod effects on the brain are mediated through biochemical modulation of bioenergetics, autophagy, and neuroinflammatory networks. Proteomics, 2022, 22, .	1.3	13
869	Ras-mutant cancers are sensitive to small molecule inhibition of V-type ATPases in mice. Nature Biotechnology, 2022, 40, 1834-1844.	9.4	13
870	PARP1-SNAI2 transcription axis drives resistance to PARP inhibitor, Talazoparib. Scientific Reports, 2022, 12, .	1.6	3
871	Quantitative proteome remodeling characterization of two human reference pluripotent stem cell lines during neurogenesis and cardiomyogenesis. Proteomics, 2022, 22, .	1.3	1
872	Oocytes maintain ROS-free mitochondrial metabolism by suppressing complex I. Nature, 2022, 607, 756-761.	13.7	74

#	Article	IF	CITATIONS
873	Recent advances in proteomics and metabolomics in plants. Molecular Horticulture, 2022, 2, .	2.3	21
874	Comparative Assessment of Quantification Methods for Tumor Tissue Phosphoproteomics. Analytical Chemistry, 2022, 94, 10893-10906.	3.2	2
875	Subgroup-Enriched Pathways and Kinase Signatures in Medulloblastoma Patient-Derived Xenografts. Journal of Proteome Research, 2022, 21, 2124-2136.	1.8	3
876	Redirecting the Neo-Substrate Specificity of Cereblon-Targeting PROTACs to Helios. ACS Chemical Biology, 2022, 17, 2404-2410.	1.6	3
877	Tandem mass tagâ€based quantitative proteomic analysis of cervical cancer. Proteomics - Clinical Applications, 2023, 17, .	0.8	3
878	NCOA4-Mediated Ferritinophagy Is a Pancreatic Cancer Dependency via Maintenance of Iron Bioavailability for Iron–Sulfur Cluster Proteins. Cancer Discovery, 2022, 12, 2180-2197.	7.7	40
879	A mechanism of gene evolution generating mucin function. Science Advances, 2022, 8, .	4.7	14
880	Co-expression network analysis of human tau-transgenic mice reveals protein modules associated with tau-induced pathologies. IScience, 2022, 25, 104832.	1.9	9
883	Identification of secreted proteins by comparison of protein abundance in conditioned media and cell lysates. Analytical Biochemistry, 2022, 655, 114846.	1.1	6
884	Dataset from a proteomics analysis of tumor antigens shared between an allogenic tumor cell lysate vaccine and pancreatic tumor tissue Data in Brief, 2022, 44, 108490.	0.5	2
885	Activation of Neuroinflammation via mTOR Pathway is Disparately Regulated by Differential Target Multiplexed and Traditional Low-Rate Spinal Cord Stimulation in a Neuropathic Pain Model. Journal of Pain Research, 0, Volume 15, 2857-2866.	0.8	2
888	Proteomic characterisation of prostate cancer intercellular communication reveals cell type-selective signalling and TMSB4X-dependent fibroblast reprogramming. Cellular Oncology (Dordrecht), 2022, 45, 1311-1328.	2.1	1
889	Obesity-related alterations in protein expression in human follicular fluid from women undergoing in-vitro fertilization (IVF). F&S Science, 2022, , .	0.5	1
890	MYPT1-PP1 $\hat{l}^2$ phosphatase negatively regulates both chromatin landscape and co-activator recruitment for beige adipogenesis. Nature Communications, 2022, 13, .	5.8	3
891	Isobaric labeling: Expanding the breadth, accuracy, depth, and diversity of sample multiplexing. Proteomics, 2022, 22, .	1.3	3
892	Temporal Proteomic and Phosphoproteomic Analysis of EV-A71-Infected Human Cells. Journal of Proteome Research, 2022, 21, 2367-2384.	1.8	2
893	Exploring the target scope of KEAP1 E3 ligase-based PROTACs. Cell Chemical Biology, 2022, 29, 1470-1481.e31.	2.5	29
894	Heat-shock chaperone HSPB1 regulates cytoplasmic TDP-43 phase separation and liquid-to-gel transition. Nature Cell Biology, 2022, 24, 1378-1393.	4.6	46

#	Article	IF	CITATIONS
895	Differential nuclear import sets the timing of protein access to the embryonic genome. Nature Communications, $2022,13,.$	5.8	13
897	SEL1L-HRD1 ER-associated degradation suppresses hepatocyte hyperproliferation and liver cancer. IScience, 2022, 25, 105183.	1.9	5
898	MCL-1 is a master regulator of cancer dependency on fatty acid oxidation. Cell Reports, 2022, 41, 111445.	2.9	9
899	Exploiting endogenous and therapy-induced apoptotic vulnerabilities in immunoglobulin light chain amyloidosis with BH3 mimetics. Nature Communications, 2022, 13, .	5.8	7
901	A comprehensive SARS-CoV-2–human protein–protein interactome reveals COVID-19 pathobiology and potential host therapeutic targets. Nature Biotechnology, 2023, 41, 128-139.	9.4	61
902	Phosphorylation of RXR $\hat{I}^{\pm}$ mediates the effect of JNK to suppress hepatic FGF21 expression and promote metabolic syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	6
903	Acute pharmacological degradation of ERK5 does not inhibit cellular immune response or proliferation. Cell Chemical Biology, 2022, , .	2.5	7
904	Host protein kinases required for SARS-CoV-2 nucleocapsid phosphorylation and viral replication. Science Signaling, 2022, 15, .	1.6	26
906	Multi-omic profiling reveals the ataxia protein sacsin is required for integrin trafficking and synaptic organization. Cell Reports, 2022, 41, 111580.	2.9	6
909	Prostate cancer resistance leads to a global deregulation of translation factors and unconventional translation. NAR Cancer, 2022, 4, .	1.6	2
910	Rad regulation of CaV1.2 channels controls cardiac fight-or-flight response., 2022, 1, 1022-1038.		18
911	Architecture of the outbred brown fat proteome defines regulators of metabolic physiology. Cell, 2022, 185, 4654-4673.e28.	13.5	9
912	Three types of Leishmania mexicana amastigotes: Proteome comparison by quantitative proteomic analysis. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	3
914	Evaluation of Quantification and Normalization Strategies for Phosphoprotein Phosphatase Affinity Proteomics: Application to Breast Cancer Signaling. Journal of Proteome Research, 0, , .	1.8	0
915	Enhanced activity of Alzheimer disease-associated variant of protein kinase $\hat{\text{Cl}}_{\pm}$ drives cognitive decline in a mouse model. Nature Communications, 2022, 13, .	5.8	9
917	Motif-Targeting Phosphoproteome Analysis of Cancer Cells for Profiling Kinase Inhibitors. Cancers, 2023, 15, 78.	1.7	0
918	Proteome-wide systems genetics identifies UFMylation as a regulator of skeletal muscle function. ELife, $0,11,1$	2.8	7
919	Dynamic Interactomics by Cross-Linking Mass Spectrometry: Mapping the Daily Cell Life in Postgenomic Era. OMICS A Journal of Integrative Biology, 2022, 26, 633-649.	1.0	7

#	Article	IF	CITATIONS
921	Bioactive Insulin-Loaded Electrospun Wound Dressings for Localized Drug Delivery and Stimulation of Protein Expression Associated with Wound Healing. Molecular Pharmaceutics, 2023, 20, 241-254.	2.3	7
922	Neutrophil profiles of pediatric COVID-19 and multisystem inflammatory syndrome in children. Cell Reports Medicine, 2022, 3, 100848.	3.3	19
923	Isobaric labelingâ€based quantitative proteomics of FACSâ€purified immune cells and epithelial cells from the intestine of Crohn's disease patients reveals proteome changes of potential importance in disease pathogenesis. Proteomics, 0, , 2200366.	1.3	1
924	High-quality and robust protein quantification in large clinical/pharmaceutical cohorts with IonStar proteomics investigation. Nature Protocols, 2023, 18, 700-731.	5.5	6
925	Oncogenic deubiquitination controls tyrosine kinase signaling and therapy response in acute lymphoblastic leukemia. Science Advances, 2022, 8, .	4.7	3
927	Liver RBFOX2 regulates cholesterol homeostasis via Scarb1 alternative splicing in mice. Nature Metabolism, 2022, 4, 1812-1829.	5.1	12
929	A proteome-wide atlas of drug mechanism of action. Nature Biotechnology, 2023, 41, 845-857.	9.4	28
931	Fibril treatment changes protein interactions of tau and α-synuclein in human neurons. Journal of Biological Chemistry, 2023, 299, 102888.	1.6	2
932	The E3 Ligase TRIM25 Impairs Apoptotic Cell Death in Colon Carcinoma Cells via Destabilization of Caspase-7 mRNA: A Possible Role of hnRNPH1. Cells, 2023, 12, 201.	1.8	1
933	Activated <scp>SOX9</scp> + renal epithelial cells promote kidney repair through secreting factors. Cell Proliferation, 2023, 56, .	2.4	4
934	Perturbation of placental protein glycosylation by endoplasmic reticulum stress promotes maladaptation of maternal hepatic glucose metabolism. IScience, 2023, 26, 105911.	1.9	4
935	Exercise preserves physical fitness during aging through AMPK and mitochondrial dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	19
936	Developing quantitative assays for six urinary glycoproteins using parallel reaction monitoring, dataâ€independent acquisition, and TMTâ€based dataâ€dependent acquisition. Proteomics, 0, , 2200072.	1.3	0
937	Evaluating Linear Ion Trap for MS3-Based Multiplexed Single-Cell Proteomics. Analytical Chemistry, 2023, 95, 1888-1898.	3.2	7
938	Mass Spectrometry-Based Proteomics Workflows in Cancer Research: The Relevance of Choosing the Right Steps. Cancers, 2023, 15, 555.	1.7	8
939	Data-independent acquisition boosts quantitative metaproteomics for deep characterization of gut microbiota. Npj Biofilms and Microbiomes, 2023, 9, .	2.9	12
940	Gasdermin D pore-forming activity is redox-sensitive. Cell Reports, 2023, 42, 112008.	2.9	35
941	A selective small-molecule STAT5 PROTAC degrader capable of achieving tumor regression in vivo. Nature Chemical Biology, 2023, 19, 703-711.	3.9	16

#	Article	IF	CITATIONS
944	Isobaric Stable Isotope Nâ€Phosphorylation Labeling (iSIPL) for Ultrasensitive Proteome Quantification. Angewandte Chemie, 0, , .	1.6	0
945	The ovaries of ivermectin-resistant Rhipicephalus microplus strains display proteomic adaptations involving the induction of xenobiotic detoxification and structural remodeling mechanisms. Journal of Proteomics, 2023, 280, 104892.	1.2	0
946	After virus exposure, early bystander na $\tilde{A}$ -ve CD8 T cell activation relies on NAD+ salvage metabolism. Frontiers in Immunology, 0, 13, .	2.2	0
947	Sample multiplexing-based targeted pathway proteomics with real-time analytics reveals the impact of genetic variation on protein expression. Nature Communications, 2023, 14, .	5.8	8
948	The p97-UBXD8 complex regulates ER-Mitochondria contact sites by altering membrane lipid saturation and composition. Nature Communications, 2023, 14, .	5.8	6
949	Super-Resolution Mass Spectrometry Enables Rapid, Accurate, and Highly Multiplexed Proteomics at the MS2 Level. Analytical Chemistry, 2023, 95, 3712-3719.	3.2	2
952	The choroid plexus links innate immunity to CSF dysregulation in hydrocephalus. Cell, 2023, 186, 764-785.e21.	13.5	21
953	Quantitative proteomic analysis of human serum using tandem mass tags to predict cardiovascular risks in patients with psoriasis. Scientific Reports, 2023, $13$ , .	1.6	2
954	Cell lineage-specific mitochondrial resilience during mammalian organogenesis. Cell, 2023, 186, 1212-1229.e21.	13.5	4
955	Cyclin A and Cks1 promote kinase consensus switching to non-proline-directed CDK1 phosphorylation. Cell Reports, 2023, 42, 112139.	2.9	6
956	Enhanced Multiplexing Technology for Proteomics. Annual Review of Analytical Chemistry, 2023, 16, .	2.8	2
957	Single-cell proteomics enabled by next-generation sequencing or mass spectrometry. Nature Methods, 2023, 20, 363-374.	9.0	58
959	Accessory ESCRTâ€III proteins are conserved and selective regulators of Rab11aâ€exosome formation. Journal of Extracellular Vesicles, 2023, 12, .	5.5	9
960	Driver Mutations Dictate the Immunologic Landscape and Response to Checkpoint Immunotherapy of Glioblastoma. Cancer Immunology Research, 2023, 11, 629-645.	1.6	5
963	Lactate regulates cell cycle by remodelling the anaphase promoting complex. Nature, 2023, 616, 790-797.	13.7	45
964	Turnover and replication analysis by isotope labeling (TRAIL) reveals the influence of tissue context on protein and organelle lifetimes. Molecular Systems Biology, 2023, 19, .	3.2	6
969	IGF2BP1 regulates the cargo of extracellular vesicles and promotes neuroblastoma metastasis. Oncogene, 2023, 42, 1558-1571.	2.6	9
970	Discovery of a Potent and Selective Targeted NSD2 Degrader for the Reduction of H3K36me2. Journal of the American Chemical Society, 2023, 145, 8176-8188.	6.6	9

#	Article	IF	CITATION
972	Multi-omics analyses reveal ClpP activators disrupt essential mitochondrial pathways in triple-negative breast cancer. Frontiers in Pharmacology, $0,14,.$	1.6	3
974	Proteinâ€Metabolite Interactions: Discovery and Significance. ChemBioChem, 2023, 24, .	1.3	3
975	Metaboverse enables automated discovery and visualization of diverse metabolic regulatory patterns. Nature Cell Biology, 2023, 25, 616-625.	4.6	4
976	Regulation of Expression of Extracellular Matrix Proteins by Differential Target Multiplexed Spinal Cord Stimulation (SCS) and Traditional Low-Rate SCS in a Rat Nerve Injury Model. Biology, 2023, 12, 537.	1.3	0
977	Isobaric Stable Isotope Nâ€Phosphorylation Labeling (iSIPL) for Ultrasensitive Proteome Quantification. Angewandte Chemie - International Edition, 0, , .	7.2	2
979	Autophagy supports mitochondrial metabolism through the regulation of iron homeostasis in pancreatic cancer. Science Advances, 2023, 9, .	4.7	13
1009	Assessing the Phagosome Proteome by Quantitative Mass Spectrometry. Methods in Molecular Biology, 2023, , 361-374.	0.4	0