# Hu Zhou

### List of Publications by Citations

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 124
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#	Paper	IF	Citations
124	Meclofenamic acid selectively inhibits FTO demethylation of m6A over ALKBH5. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 373-84	20.1	278
123	Small-Molecule Targeting of Oncogenic FTO Demethylase in Acute Myeloid Leukemia. <i>Cancer Cell</i> , <b>2019</b> , 35, 677-691.e10	24.3	239
122	Integrated Proteogenomic Characterization of HBV-Related Hepatocellular Carcinoma. <i>Cell</i> , <b>2019</b> , 179, 561-577.e22	56.2	232
121	Long noncoding RNA LINC00336 inhibits ferroptosis in lung cancer by functioning as a competing endogenous RNA. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 2329-2343	12.7	204
120	Altered intestinal microbiota-host mitochondria crosstalk in new onset Crohn's disease. <i>Nature Communications</i> , <b>2016</b> , 7, 13419	17.4	189
119	YTHDF1 links hypoxia adaptation and non-small cell lung cancer progression. <i>Nature Communications</i> , <b>2019</b> , 10, 4892	17.4	140
118	Lipidomics era: accomplishments and challenges. <i>Mass Spectrometry Reviews</i> , <b>2010</b> , 29, 877-929	11	139
117	Multi-omic measurements of heterogeneity in HeLa cells across laboratories. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 314-322	44.5	129
116	pFind: a novel database-searching software system for automated peptide and protein identification via tandem mass spectrometry. <i>Bioinformatics</i> , <b>2005</b> , 21, 3049-50	7.2	116
115	Acetylation of PGK1 promotes liver cancer cell proliferation and tumorigenesis. <i>Hepatology</i> , <b>2017</b> , 65, 515-528	11.2	113
114	EGLN1/c-Myc Induced Lymphoid-Specific Helicase Inhibits Ferroptosis through Lipid Metabolic Gene Expression Changes. <i>Theranostics</i> , <b>2017</b> , 7, 3293-3305	12.1	106
113	Proteomic analysis of hepatitis B virus-associated hepatocellular carcinoma: Identification of potential tumor markers. <i>Proteomics</i> , <b>2005</b> , 5, 1125-39	4.8	103
112	ERK kinase phosphorylates and destabilizes the tumor suppressor FBW7 in pancreatic cancer. <i>Cell Research</i> , <b>2015</b> , 25, 561-73	24.7	88
111	Conformational states of the full-length glucagon receptor. <i>Nature Communications</i> , <b>2015</b> , 6, 7859	17.4	86
110	Characterization of the 3a protein of SARS-associated coronavirus in infected vero E6 cells and SARS patients. <i>Journal of Molecular Biology</i> , <b>2004</b> , 341, 271-9	6.5	83
109	Missense mutation in APOC3 within the C-terminal lipid binding domain of human ApoC-III results in impaired assembly and secretion of triacylglycerol-rich very low density lipoproteins: evidence that ApoC-III plays a major role in the formation of lipid precursors within the microsomal lumen.	5.4	75
108	Journal of Biological Chemistry, <b>2011</b> , 286, 27769-80  A complex structure of arrestin-2 bound to a G protein-coupled receptor. <i>Cell Research</i> , <b>2019</b> , 29, 971-9	9834.7	71

#### (2019-2005)

107	Quantitative analysis of severe acute respiratory syndrome (SARS)-associated coronavirus-infected cells using proteomic approaches: implications for cellular responses to virus infection. <i>Molecular and Cellular Proteomics</i> , <b>2005</b> , 4, 902-13	7.6	69
106	Proteomic analysis with integrated multiple dimensional liquid chromatography/mass spectrometry based on elution of ion exchange column using pH steps. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 5793-9	7.8	68
105	Advancements in top-down proteomics. Analytical Chemistry, 2012, 84, 720-34	7.8	67
104	A redox mechanism underlying nucleolar stress sensing by nucleophosmin. <i>Nature Communications</i> , <b>2016</b> , 7, 13599	17.4	66
103	A high-throughput approach for subcellular proteome: identification of rat liver proteins using subcellular fractionation coupled with two-dimensional liquid chromatography tandem mass spectrometry and bioinformatic analysis. <i>Molecular and Cellular Proteomics</i> , <b>2004</b> , 3, 441-55	7.6	66
102	Phosphoproteome analysis of mouse liver using immobilized metal affinity purification and linear ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2004</b> , 18, 2169-76	2.2	61
101	Ruthenium-Promoted C-H Activation Reactions between DNA-Conjugated Acrylamide and Aromatic Acids. <i>Organic Letters</i> , <b>2018</b> , 20, 4764-4768	6.2	55
100	Localized-statistical quantification of human serum proteome associated with type 2 diabetes. <i>PLoS ONE</i> , <b>2008</b> , 3, e3224	3.7	54
99	Nonsynonymous mutations within APOB in human familial hypobetalipoproteinemia: evidence for feedback inhibition of lipogenesis and postendoplasmic reticulum degradation of apolipoprotein B. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 6453-64	5.4	52
98	The differential protein and lipid compositions of noncaveolar lipid microdomains and caveolae. <i>Cell Research</i> , <b>2009</b> , 19, 497-506	24.7	52
97	Rare cell proteomic reactor applied to stable isotope labeling by amino acids in cell culture (SILAC)-based quantitative proteomics study of human embryonic stem cell differentiation. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M110.000679	7.6	50
96	The mTOR-S6K pathway links growth signalling to DNA damage response by targeting RNF168. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 320-331	23.4	48
95	Heterogeneous immunogenomic features and distinct escape mechanisms in multifocal hepatocellular carcinoma. <i>Journal of Hepatology</i> , <b>2020</b> , 72, 896-908	13.4	48
94	Functional analysis of the missense APOC3 mutation Ala23Thr associated with human hypotriglyceridemia. <i>Journal of Lipid Research</i> , <b>2010</b> , 51, 1524-34	6.3	46
93	A fully automated 2-D LC-MS method utilizing online continuous pH and RP gradients for global proteome analysis. <i>Electrophoresis</i> , <b>2007</b> , 28, 4311-9	3.6	43
92	Proteomics: from technology developments to biological applications. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 4585-99	7.8	40
91	The liver connexin32 interactome is a novel plasma membrane-mitochondrial signaling nexus. Journal of Proteome Research, <b>2013</b> , 12, 2597-610	5.6	38
90	Palladium-Promoted DNA-Compatible Heck Reaction. <i>Organic Letters</i> , <b>2019</b> , 21, 719-723	6.2	37

89	Large-scale identification of human biliary proteins from a cholesterol stone patient using a proteomic approach. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 3569-78	2.2	36
88	Technological developments in lipidomics. <i>Briefings in Functional Genomics &amp; Proteomics</i> , <b>2008</b> , 7, 395-4	109	33
87	Quantitative proteomic analysis reveals the neuroprotective effects of huperzine A for amyloid beta treated neuroblastoma N2a cells. <i>Proteomics</i> , <b>2013</b> , 13, 1314-24	4.8	32
86	Proteomic reactors and their applications in biology. FEBS Journal, 2011, 278, 3796-806	5.7	32
85	Non-transition Metal-Mediated Diverse Aryl-Heteroatom Bond Formation of Arylammonium Salts. <i>IScience</i> , <b>2019</b> , 15, 307-315	6.1	31
84	Triptolide Induces Cell Killing in Multidrug-Resistant Tumor Cells via CDK7/RPB1 Rather than XPB or p44. <i>Molecular Cancer Therapeutics</i> , <b>2016</b> , 15, 1495-503	6.1	31
83	Metaproteomics: A strategy to study the taxonomy and functionality of the gut microbiota. <i>Journal of Proteomics</i> , <b>2020</b> , 219, 103737	3.9	29
82	A novel USP9X substrate TTK contributes to tumorigenesis in non-small-cell lung cancer. <i>Theranostics</i> , <b>2018</b> , 8, 2348-2360	12.1	29
81	Regulation of septin dynamics by the Saccharomyces cerevisiae lysine acetyltransferase NuA4. <i>PLoS ONE</i> , <b>2011</b> , 6, e25336	3.7	29
80	Glycoproteomic reactor for human plasma. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 556-66	5.6	29
79	Improved recovery and identification of membrane proteins from rat hepatic cells using a centrifugal proteomic reactor. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, O111.008425	7.6	29
78	Label-free proteomics uncovers energy metabolism and focal adhesion regulations responsive for endometrium receptivity. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 1831-42	5.6	28
77	mChIP-KAT-MS, a method to map protein interactions and acetylation sites for lysine acetyltransferases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E1641-50	11.5	28
76	Real-Time Analysis on Drug-Antibody Ratio of Antibody-Drug Conjugates for Synthesis, Process Optimization, and Quality Control. <i>Scientific Reports</i> , <b>2017</b> , 7, 7763	4.9	27
75	Microsome-associated lumenal lipid droplets in the regulation of lipoprotein secretion. <i>Current Opinion in Lipidology</i> , <b>2013</b> , 24, 160-70	4.4	27
74	Lyso-form fragment ions facilitate the determination of stereospecificity of diacyl glycerophospholipids. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 205-17	2.2	27
73	Proteomic profiling of regionalized proteins in rat epididymis indicates consistency between specialized distribution and protein functions. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 299-307	5.6	27
72	Analytical aspects of proteomics: 2009-2010. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 4407-26	7.8	26

## (2020-2005)

71	Two-dimensional gel electrophoresis maps of the proteome and phosphoproteome of primitively cultured rat mesangial cells. <i>Electrophoresis</i> , <b>2005</b> , 26, 4540-62	3.6	26
70	Analysis of the subcellular phosphoproteome using a novel phosphoproteomic reactor. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 1279-88	5.6	25
69	GIAT4RA functions as a tumor suppressor in non-small cell lung cancer by counteracting Uchl3-mediated deubiquitination of LSH. <i>Oncogene</i> , <b>2019</b> , 38, 7133-7145	9.2	24
68	Quantitative analysis of secretome from adipocytes regulated by insulin. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2009</b> , 41, 910-21	2.8	24
67	SARS-CoV-2 envelope protein causes acute respiratory distress syndrome (ARDS)-like pathological damages and constitutes an antiviral target. <i>Cell Research</i> , <b>2021</b> , 31, 847-860	24.7	24
66	Prefractionation of proteome by liquid isoelectric focusing prior to two-dimensional liquid chromatography mass spectrometric identification. <i>Journal of Proteome Research</i> , <b>2005</b> , 4, 1256-64	5.6	23
65	Gsy, a novel glucansucrase from Leuconostoc mesenteroides, mediates the formation of cell aggregates in response to oxidative stress. <i>Scientific Reports</i> , <b>2016</b> , 6, 38122	4.9	23
64	Characterization of Gain-of-Function Mutant Provides New Insights into ClpP Structure. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 1964-72	4.9	23
63	Activation of AhR with nuclear IKKI regulates cancer stem-like properties in the occurrence of radioresistance. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 490	9.8	22
62	Identification of Glutaminyl Cyclase isoenzyme isoQC as a regulator of SIRPECD47 axis. <i>Cell Research</i> , <b>2019</b> , 29, 502-505	24.7	21
61	An intramolecular disulfide bond designed in myoglobin fine-tunes both protein structure and peroxidase activity. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 600, 47-55	4.1	19
60	TGF-II/p65/MAT2A pathway regulates liver fibrogenesis via intracellular SAM. <i>EBioMedicine</i> , <b>2019</b> , 42, 458-469	8.8	18
59	Identification of a Novel Function of Adipocyte Plasma Membrane-Associated Protein (APMAP) in Gestational Diabetes Mellitus by Proteomic Analysis of Omental Adipose Tissue. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 628-37	5.6	18
58	Structural basis of rifampin inactivation by rifampin phosphotransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 3803-8	11.5	18
57	Global and Site-Specific Effect of Phosphorylation on Protein Turnover. <i>Developmental Cell</i> , <b>2021</b> , 56, 111-124.e6	10.2	16
56	Leflunomide Increases Hepatic Exposure to Methotrexate and Its Metabolite by Differentially Regulating Multidrug Resistance-Associated Protein Mrp2/3/4 Transporters via Peroxisome Proliferator-Activated Receptor Activation. <i>Molecular Pharmacology</i> , <b>2018</b> , 93, 563-574	4.3	15
55	Highly sensitive detection of S-nitrosylated proteins by capillary gel electrophoresis with laser induced fluorescence. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 6756-62	4.5	15
54	Isoform-resolved correlation analysis between mRNA abundance regulation and protein level degradation. <i>Molecular Systems Biology</i> , <b>2020</b> , 16, e9170	12.2	14

53	Discovery of a Potential Plasma Protein Biomarker Panel for Acute-on-Chronic Liver Failure Induced by Hepatitis B Virus. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 1009	4.6	14
52	Analysis of low-abundance proteins using the proteomic reactor with pH fractionation. <i>Talanta</i> , <b>2010</b> , 80, 1526-31	6.2	14
51	Proteomic analysis of minute amount of colonic biopsies by enteroscopy sampling. <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 476, 286-292	3.4	14
50	Selective N-glycan editing on living cell surfaces to probe glycoconjugate function. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 766-775	11.7	13
49	Dissociative role for dorsal hippocampus in mediating heroin self-administration and relapse through CDK5 and RhoB signaling revealed by proteomic analysis. <i>Addiction Biology</i> , <b>2017</b> , 22, 1731-174	<del>2</del> 4.6	13
48	Standardization and harmonization of distributed multi-center proteotype analysis supporting precision medicine studies. <i>Nature Communications</i> , <b>2020</b> , 11, 5248	17.4	13
47	Quantitative Proteomic Study Reveals Up-Regulation of cAMP Signaling Pathway-Related Proteins in Mild Traumatic Brain Injury. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 858-869	5.6	13
46	Combination of online enzyme digestion with stable isotope labeling for high-throughput quantitative proteome analysis. <i>Proteomics</i> , <b>2012</b> , 12, 3129-37	4.8	12
45	The cross-talk between methylation and phosphorylation in lymphoid-specific helicase drives cancer stem-like properties. <i>Signal Transduction and Targeted Therapy</i> , <b>2020</b> , 5, 197	21	12
44	Mouse embryonic stem cells have increased capacity for replication fork restart driven by the specific Filia-Floped protein complex. <i>Cell Research</i> , <b>2018</b> , 28, 69-89	24.7	12
43	DNA methylation modifier LSH inhibits p53 ubiquitination and transactivates p53 to promote lipid metabolism. <i>Epigenetics and Chromatin</i> , <b>2019</b> , 12, 59	5.8	11
42	Recent technological developments in proteomics shed new light on translational research on diabetic microangiopathy. <i>FEBS Journal</i> , <b>2013</b> , 280, 5668-81	5.7	11
41	Quantitative proteomic analysis of mice corneal tissues reveals angiogenesis-related proteins involved in corneal neovascularization. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2016</b> , 1864, 787-93	4	11
40	S100A11 Promotes Liver Steatosis via FOXO1-Mediated Autophagy and Lipogenesis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , <b>2021</b> , 11, 697-724	7.9	11
39	Iron-induced energy supply deficiency and mitochondrial fragmentation in neurons. <i>Journal of Neurochemistry</i> , <b>2018</b> , 147, 816-830	6	11
38	Andrographolide Sulfonate Attenuates Acute Lung Injury by Reducing Expression of Myeloperoxidase and Neutrophil-Derived Proteases in Mice. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 939	4.6	11
37	Development of Online pH Gradient-Eluted Strong Cation Exchange Nanoelectrospray-Tandem Mass Spectrometry for Proteomic Analysis Facilitating Basic and Histidine-Containing Peptides Identification. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 583-91	7.8	10
36	New ammunition for the proteomic reactor: strong anion exchange beads and multiple enzymes enhance protein identification and sequence coverage. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 397–3421-30	4.4	10

## (2018-2008)

35	Analysis of microdissected cells by two-dimensional LC-MS approaches. <i>Methods in Molecular Biology</i> , <b>2008</b> , 428, 193-208	1.4	10
34	pVHL mediates K63-linked ubiquitination of IKK[leading to IKK[lnactivation. <i>Cancer Letters</i> , <b>2016</b> , 383, 1-8	9.9	10
33	SCF/GSK3EMediated GFI1 Degradation Suppresses Proliferation of Gastric Cancer Cells. <i>Cancer Research</i> , <b>2019</b> , 79, 4387-4398	10.1	9
32	Extracellular Signal-regulated Kinases (ERKs) Phosphorylate Lin28a Protein to Modulate P19 Cell Proliferation and Differentiation. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 3970-3976	5.4	8
31	SILAC-based quantitative proteomic analysis of the livers of spontaneous obese and diabetic rhesus monkeys. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 315, E294-E306	6	8
30	ITCH nuclear translocation and H1.2 polyubiquitination negatively regulate the DNA damage response. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 824-842	20.1	8
29	Identification of a USP9X Substrate NFX1-123 by SILAC-Based Quantitative Proteomics. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 2654-2665	5.6	7
28	A novel short-term high-lactose culture approach combined with a matrix-assisted laser desorption ionization-time of flight mass spectrometry assay for differentiating Escherichia coli and Shigella species using artificial neural networks. <i>PLoS ONE</i> , <b>2019</b> , 14, e0222636	3.7	7
27	Proteogenomic characterization identifies clinically relevant subgroups of intrahepatic cholangiocarcinoma <i>Cancer Cell</i> , <b>2021</b> ,	24.3	7
26	LOXL1 confers antiapoptosis and promotes gliomagenesis through stabilizing BAG2. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 3021-3036	12.7	6
25	Allosteric Regulation of Hsp90ll Activity by Small Molecules Targeting the Middle Domain of the Chaperone. <i>IScience</i> , <b>2020</b> , 23, 100857	6.1	5
24	Enhancing Membrane Protein Identification Using a Simplified Centrifugation and Detergent-Based Membrane Extraction Approach. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 2434-2439	7.8	5
23	Quantitative Proteomics Reveals the Protective Effects of Huangqi Decoction Against Acute Cholestatic Liver Injury by Inhibiting the NF- <b>B</b> /IL-6/STAT3 Signaling Pathway. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 677-687	5.6	5
22	Discovery of a subtype-selective, covalent inhibitor against palmitoylation pocket of TEAD3. <i>Acta Pharmaceutica Sinica B</i> , <b>2021</b> , 11, 3206-3219	15.5	5
21	Quantitative proteomics reveals Shexiang Baoxin Pill exerts cardioprotective effects by preserving energy metabolism in a rat model of myocardial infarction. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 266, 113460	5	5
20	Identification of Highly Selective Lipoprotein-Associated Phospholipase A2 (Lp-PLA2) Inhibitors by a Covalent Fragment-Based Approach. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 7052-7065	8.3	4
19	Deep Phosphoproteomic Measurements Pinpointing Drug Induced Protective Mechanisms in Neuronal Cells. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 635	4.6	4
18	The proteomic study of serially passaged human skin fibroblast cells uncovers down-regulation of the chromosome condensin complex proteins involved in replicative senescence. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 505, 1112-1120	3.4	4

A novel lncRNA Discn fine-tunes replication protein A (RPA) availability to promote genomic

Serum proteomic analysis reveals the cardioprotective effects of Shexiang Baoxin Pill and Suxiao

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stability. Nature Communications, 2021, 12, 5572

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