Hu Zhou

List of Publications by Year in Descending Order

124 papers	4,623 citations	36 h-index	64 g-index
130 ext. papers	6,198 ext. citations	8.9 avg, IF	5.19 L-index

#	Paper	IF	Citations
124	Targeting the RT loop of Src SH3 in Platelets Prevents Thrombosis without Compromising Hemostasis.. *Advanced Science*, **2022**, e2103228	13.6	2
123	Establishment of a pseudovirus neutralization assay based on SARS-CoV-2 S protein incorporated into lentiviral particles.. *Biosafety and Health*, **2022**, 4, 38-38	4.7	0
122	Serum proteomic analysis reveals the cardioprotective effects of Shexiang Baoxin Pill and Suxiao Jiuxin Pill in a rat model of acute myocardial infarction.. *Journal of Ethnopharmacology*, **2022**, 115279	5	0
121	Proteogenomic characterization identifies clinically relevant subgroups of intrahepatic cholangiocarcinoma.. *Cancer Cell*, **2021**,	24.3	7
120	Exploring biological basis of Syndrome differentiation in coronary heart disease patients with two distinct Syndromes by integrated multi-omics and network pharmacology strategy. *Chinese Medicine*, **2021**, 16, 109	4.7	1
119	Dynamics of Post-Translational Modification Inspires Drug Design in the Kinase Family. *Journal of Medicinal Chemistry*, **2021**, 64, 15111-15125	8.3	2
118	Discovery of a subtype-selective, covalent inhibitor against palmitoylation pocket of TEAD3. *Acta Pharmaceutica Sinica B*, **2021**, 11, 3206-3219	15.5	5
117	SARS-CoV-2 envelope protein causes acute respiratory distress syndrome (ARDS)-like pathological damages and constitutes an antiviral target. *Cell Research*, **2021**, 31, 847-860	24.7	24
116	S100A11 Promotes Liver Steatosis via FOXO1-Mediated Autophagy and Lipogenesis. *Cellular and Molecular Gastroenterology and Hepatology*, **2021**, 11, 697-724	7.9	11
115	Quantitative proteomics reveals Shexiang Baoxin Pill exerts cardioprotective effects by preserving energy metabolism in a rat model of myocardial infarction. *Journal of Ethnopharmacology*, **2021**, 266, 113460	5	5
114	Global and Site-Specific Effect of Phosphorylation on Protein Turnover. *Developmental Cell*, **2021**, 56, 111-124.e6	10.2	16
113	PGE2-JNK signaling axis non-canonically promotes Gli activation by protecting Gli2 from ubiquitin-proteasomal degradation. *Cell Death and Disease*, **2021**, 12, 707	9.8	1
112	A novel lncRNA Discn fine-tunes replication protein A (RPA) availability to promote genomic stability. *Nature Communications*, **2021**, 12, 5572	17.4	0
111	Quantitative proteomic analysis uncovers inhibition of melanin synthesis by silk fibroin via MITF/tyrosinase axis in B16 melanoma cells. *Life Sciences*, **2021**, 284, 119930	6.8	1
110	LOXL1 confers antiapoptosis and promotes gliomagenesis through stabilizing BAG2. *Cell Death and Differentiation*, **2020**, 27, 3021-3036	12.7	6
109	Selective N-glycan editing on living cell surfaces to probe glycoconjugate function. *Nature Chemical Biology*, **2020**, 16, 766-775	11.7	13
108	Identification of Highly Selective Lipoprotein-Associated Phospholipase A2 (Lp-PLA2) Inhibitors by a Covalent Fragment-Based Approach. *Journal of Medicinal Chemistry*, **2020**, 63, 7052-7065	8.3	4

107	Isoform-resolved correlation analysis between mRNA abundance regulation and protein level degradation. *Molecular Systems Biology*, **2020**, 16, e9170	12.2	14
106	Metaproteomics: A strategy to study the taxonomy and functionality of the gut microbiota. *Journal of Proteomics*, **2020**, 219, 103737	3.9	29
105	Allosteric Regulation of Hsp90β Activity by Small Molecules Targeting the Middle Domain of the Chaperone. *IScience*, **2020**, 23, 100857	6.1	5
104	Suppression of asparagine synthetase enhances the antitumor potency of ART and artemalogue SOMCL-14-221 in non-small cell lung cancer. *Cancer Letters*, **2020**, 475, 22-33	9.9	3
103	The cross-talk between methylation and phosphorylation in lymphoid-specific helicase drives cancer stem-like properties. *Signal Transduction and Targeted Therapy*, **2020**, 5, 197	21	12
102	Heterogeneous immunogenomic features and distinct escape mechanisms in multifocal hepatocellular carcinoma. *Journal of Hepatology*, **2020**, 72, 896-908	13.4	48
101	Quantitative Proteomics Reveals the Protective Effects of Huangqi Decoction Against Acute Cholestatic Liver Injury by Inhibiting the NF-κB/IL-6/STAT3 Signaling Pathway. *Journal of Proteome Research*, **2020**, 19, 677-687	5.6	5
100	Standardization and harmonization of distributed multi-center proteotype analysis supporting precision medicine studies. *Nature Communications*, **2020**, 11, 5248	17.4	13
99	The Active Constituent From Gynostemma Pentaphyllum Prevents Liver Fibrosis Through Regulation of the TGF-β1/NDRG2/MAPK Axis. *Frontiers in Genetics*, **2020**, 11, 594824	4.5	2
98	Helix Matrix Transformation Combined With Convolutional Neural Network Algorithm for Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry-Based Bacterial Identification. *Frontiers in Microbiology*, **2020**, 11, 565434	5.7	1
97	Revelation of AbfR in regulation of mismatch repair and energy metabolism in S. epidermidis by integrated proteomic and metabolomic analysis. *Journal of Proteomics*, **2020**, 226, 103900	3.9	1
96	Integrated Proteogenomic Characterization of HBV-Related Hepatocellular Carcinoma. *Cell*, **2019**, 179, 561-577.e22	56.2	232
95	Palladium-Promoted DNA-Compatible Heck Reaction. *Organic Letters*, **2019**, 21, 719-723	6.2	37
94	Identification of a USP9X Substrate NFX1-123 by SILAC-Based Quantitative Proteomics. *Journal of Proteome Research*, **2019**, 18, 2654-2665	5.6	7
93	Identification of Glutaminyl Cyclase isoenzyme isoQC as a regulator of SIRPα-CD47 axis. *Cell Research*, **2019**, 29, 502-505	24.7	21
92	Non-transition Metal-Mediated Diverse Aryl-Heteroatom Bond Formation of Arylammonium Salts. *IScience*, **2019**, 15, 307-315	6.1	31
91	Small-Molecule Targeting of Oncogenic FTO Demethylase in Acute Myeloid Leukemia. *Cancer Cell*, **2019**, 35, 677-691.e10	24.3	239
90	TGF-β1/p65/MAT2A pathway regulates liver fibrogenesis via intracellular SAM. *EBioMedicine*, **2019**, 42, 458-469	8.8	18

89	GIAT4RA functions as a tumor suppressor in non-small cell lung cancer by counteracting Uchl3-mediated deubiquitination of LSH. *Oncogene*, **2019**, 38, 7133-7145	9.2	24
88	SCF/GSK3Mediated GFI1 Degradation Suppresses Proliferation of Gastric Cancer Cells. *Cancer Research*, **2019**, 79, 4387-4398	10.1	9
87	Uncovering kappa-opioid receptor agonist-induced PAK1/2 phosphorylation by quantitative phosphoproteomics. *Biochemical and Biophysical Research Communications*, **2019**, 516, 320-326	3.4	3
86	YTHDF1 links hypoxia adaptation and non-small cell lung cancer progression. *Nature Communications*, **2019**, 10, 4892	17.4	140
85	DNA methylation modifier LSH inhibits p53 ubiquitination and transactivates p53 to promote lipid metabolism. *Epigenetics and Chromatin*, **2019**, 12, 59	5.8	11
84	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. *PLoS ONE*, **2019**, 14, e0222636	3.7	7
83	Multi-omic measurements of heterogeneity in HeLa cells across laboratories. *Nature Biotechnology*, **2019**, 37, 314-322	44.5	129
82	Long noncoding RNA LINC00336 inhibits ferroptosis in lung cancer by functioning as a competing endogenous RNA. *Cell Death and Differentiation*, **2019**, 26, 2329-2343	12.7	204
81	A complex structure of arrestin-2 bound to a G protein-coupled receptor. *Cell Research*, **2019**, 29, 971-983	24.7	71
80	ITCH nuclear translocation and H1.2 polyubiquitination negatively regulate the DNA damage response. *Nucleic Acids Research*, **2019**, 47, 824-842	20.1	8
79	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. *Molecular Pharmacology*, **2018**, 93, 563-574	4.3	15
78	The mTOR-S6K pathway links growth signalling to DNA damage response by targeting RNF168. *Nature Cell Biology*, **2018**, 20, 320-331	23.4	48
77	Enhancing Membrane Protein Identification Using a Simplified Centrifugation and Detergent-Based Membrane Extraction Approach. *Analytical Chemistry*, **2018**, 90, 2434-2439	7.8	5
76	Activation of AhR with nuclear IKKregulates cancer stem-like properties in the occurrence of radioresistance. *Cell Death and Disease*, **2018**, 9, 490	9.8	22
75	Solution structure of extracellular loop of human 4 subunit of BK channel and its biological implication on ChTX sensitivity. *Scientific Reports*, **2018**, 8, 4571	4.9	3
74	Ruthenium-Promoted C-H Activation Reactions between DNA-Conjugated Acrylamide and Aromatic Acids. *Organic Letters*, **2018**, 20, 4764-4768	6.2	55
73	A novel USP9X substrate TTK contributes to tumorigenesis in non-small-cell lung cancer. *Theranostics*, **2018**, 8, 2348-2360	12.1	29
72	SILAC-based quantitative proteomic analysis of the livers of spontaneous obese and diabetic rhesus monkeys. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E294-E306	6	8

71	Label-free quantitative proteomic analysis identifies CTNNB1 as a direct target of FOXP3 in gastric cancer cells. *Oncology Letters*, **2018**, 15, 7655-7660	2.6	3
70	Quantitative Proteomic Study Reveals Up-Regulation of cAMP Signaling Pathway-Related Proteins in Mild Traumatic Brain Injury. *Journal of Proteome Research*, **2018**, 17, 858-869	5.6	13
69	Mouse embryonic stem cells have increased capacity for replication fork restart driven by the specific Filia-Floped protein complex. *Cell Research*, **2018**, 28, 69-89	24.7	12
68	The proteomic study of serially passaged human skin fibroblast cells uncovers down-regulation of the chromosome condensin complex proteins involved in replicative senescence. *Biochemical and Biophysical Research Communications*, **2018**, 505, 1112-1120	3.4	4
67	Iron-induced energy supply deficiency and mitochondrial fragmentation in neurons. *Journal of Neurochemistry*, **2018**, 147, 816-830	6	11
66	Andrographolide Sulfonate Attenuates Acute Lung Injury by Reducing Expression of Myeloperoxidase and Neutrophil-Derived Proteases in Mice. *Frontiers in Physiology*, **2018**, 9, 939	4.6	11
65	Extracellular Signal-regulated Kinases (ERKs) Phosphorylate Lin28a Protein to Modulate P19 Cell Proliferation and Differentiation. *Journal of Biological Chemistry*, **2017**, 292, 3970-3976	5.4	8
64	Comparative Evaluation of Small Molecular Additives and Their Effects on Peptide/Protein Identification. *Analytical Chemistry*, **2017**, 89, 5784-5792	7.8	3
63	EGLN1/c-Myc Induced Lymphoid-Specific Helicase Inhibits Ferroptosis through Lipid Metabolic Gene Expression Changes. *Theranostics*, **2017**, 7, 3293-3305	12.1	106
62	Real-Time Analysis on Drug-Antibody Ratio of Antibody-Drug Conjugates for Synthesis, Process Optimization, and Quality Control. *Scientific Reports*, **2017**, 7, 7763	4.9	27
61	Quantitative proteomic Analysis Reveals up-regulation of caveolin-1 in FOXP3-overexpressed human gastric cancer cells. *Scientific Reports*, **2017**, 7, 14460	4.9	2
60	Acetylation of PGK1 promotes liver cancer cell proliferation and tumorigenesis. *Hepatology*, **2017**, 65, 515-528	11.2	113
59	Dissociative role for dorsal hippocampus in mediating heroin self-administration and relapse through CDK5 and RhoB signaling revealed by proteomic analysis. *Addiction Biology*, **2017**, 22, 1731-1742	4.6	13
58	Discovery of a Potential Plasma Protein Biomarker Panel for Acute-on-Chronic Liver Failure Induced by Hepatitis B Virus. *Frontiers in Physiology*, **2017**, 8, 1009	4.6	14
57	A redox mechanism underlying nucleolar stress sensing by nucleophosmin. *Nature Communications*, **2016**, 7, 13599	17.4	66
56	Altered intestinal microbiota-host mitochondria crosstalk in new onset Crohn's disease. *Nature Communications*, **2016**, 7, 13419	17.4	189
55	Identification of a Novel Function of Adipocyte Plasma Membrane-Associated Protein (APMAP) in Gestational Diabetes Mellitus by Proteomic Analysis of Omental Adipose Tissue. *Journal of Proteome Research*, **2016**, 15, 628-37	5.6	18
54	Development of Online pH Gradient-Eluted Strong Cation Exchange Nanoelectrospray-Tandem Mass Spectrometry for Proteomic Analysis Facilitating Basic and Histidine-Containing Peptides Identification. *Analytical Chemistry*, **2016**, 88, 583-91	7.8	10

53	Structural basis of rifampin inactivation by rifampin phosphotransferase. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3803-8	11.5	18
52	Deep Phosphoproteomic Measurements Pinpointing Drug Induced Protective Mechanisms in Neuronal Cells. *Frontiers in Physiology*, **2016**, 7, 635	4.6	4
51	Gsy, a novel glucansucrase from Leuconostoc mesenteroides, mediates the formation of cell aggregates in response to oxidative stress. *Scientific Reports*, **2016**, 6, 38122	4.9	23
50	Proteomic analysis of minute amount of colonic biopsies by enteroscopy sampling. *Biochemical and Biophysical Research Communications*, **2016**, 476, 286-292	3.4	14
49	Triptolide Induces Cell Killing in Multidrug-Resistant Tumor Cells via CDK7/RPB1 Rather than XPB or p44. *Molecular Cancer Therapeutics*, **2016**, 15, 1495-503	6.1	31
48	Quantitative proteomic analysis of mice corneal tissues reveals angiogenesis-related proteins involved in corneal neovascularization. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2016** , 1864, 787-93	4	11
47	An intramolecular disulfide bond designed in myoglobin fine-tunes both protein structure and peroxidase activity. *Archives of Biochemistry and Biophysics*, **2016**, 600, 47-55	4.1	19
46	Characterization of Gain-of-Function Mutant Provides New Insights into ClpP Structure. *ACS Chemical Biology*, **2016**, 11, 1964-72	4.9	23
45	pVHL mediates K63-linked ubiquitination of IKK leading to IKK inactivation. *Cancer Letters*, **2016**, 383, 1-8	9.9	10
44	Conformational states of the full-length glucagon receptor. *Nature Communications*, **2015**, 6, 7859	17.4	86
43	ERK kinase phosphorylates and destabilizes the tumor suppressor FBW7 in pancreatic cancer. *Cell Research*, **2015**, 25, 561-73	24.7	88
42	Label-free proteomics uncovers energy metabolism and focal adhesion regulations responsive for endometrium receptivity. *Journal of Proteome Research*, **2015**, 14, 1831-42	5.6	28
41	Meclofenamic acid selectively inhibits FTO demethylation of m6A over ALKBH5. *Nucleic Acids Research*, **2015**, 43, 373-84	20.1	278
40	Quantitative proteomic analysis reveals the neuroprotective effects of huperzine A for amyloid beta treated neuroblastoma N2a cells. *Proteomics*, **2013**, 13, 1314-24	4.8	32
39	The liver connexin32 interactome is a novel plasma membrane-mitochondrial signaling nexus. *Journal of Proteome Research*, **2013**, 12, 2597-610	5.6	38
38	Microsome-associated lumenal lipid droplets in the regulation of lipoprotein secretion. *Current Opinion in Lipidology*, **2013**, 24, 160-70	4.4	27
37	Recent technological developments in proteomics shed new light on translational research on diabetic microangiopathy. *FEBS Journal*, **2013**, 280, 5668-81	5.7	11
36	mChIP-KAT-MS, a method to map protein interactions and acetylation sites for lysine acetyltransferases. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E1641-50	11.5	28

35	Combination of online enzyme digestion with stable isotope labeling for high-throughput quantitative proteome analysis. *Proteomics*, **2012**, 12, 3129-37	4.8	12
34	Advancements in top-down proteomics. *Analytical Chemistry*, **2012**, 84, 720-34	7.8	67
33	Analytical aspects of proteomics: 2009-2010. *Analytical Chemistry*, **2011**, 83, 4407-26	7.8	26
32	Regulation of septin dynamics by the Saccharomyces cerevisiae lysine acetyltransferase NuA4. *PLoS ONE*, **2011**, 6, e25336	3.7	29
31	Proteomic reactors and their applications in biology. *FEBS Journal*, **2011**, 278, 3796-806	5.7	32
30	Highly sensitive detection of S-nitrosylated proteins by capillary gel electrophoresis with laser induced fluorescence. *Journal of Chromatography A*, **2011**, 1218, 6756-62	4.5	15
29	Lyso-form fragment ions facilitate the determination of stereospecificity of diacyl glycerophospholipids. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 205-17	2.2	27
28	Improved recovery and identification of membrane proteins from rat hepatic cells using a centrifugal proteomic reactor. *Molecular and Cellular Proteomics*, **2011**, 10, O111.008425	7.6	29
27	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. *Molecular and Cellular Proteomics*, **2011**, 10, M110.000679	7.6	50
26	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. *Journal of Biological Chemistry*, **2011**, 286, 27769-80	5.4	75
25	Functional analysis of the missense APOC3 mutation Ala23Thr associated with human hypotriglyceridemia. *Journal of Lipid Research*, **2010**, 51, 1524-34	6.3	46
24	Nonsynonymous mutations within APOB in human familial hypobetalipoproteinemia: evidence for feedback inhibition of lipogenesis and postendoplasmic reticulum degradation of apolipoprotein B. *Journal of Biological Chemistry*, **2010**, 285, 6453-64	5.4	52
23	Analysis of the subcellular phosphoproteome using a novel phosphoproteomic reactor. *Journal of Proteome Research*, **2010**, 9, 1279-88	5.6	25
22	Analysis of low-abundance proteins using the proteomic reactor with pH fractionation. *Talanta*, **2010**, 80, 1526-31	6.2	14
21	New ammunition for the proteomic reactor: strong anion exchange beads and multiple enzymes enhance protein identification and sequence coverage. *Analytical and Bioanalytical Chemistry*, **2010**, 397, 3421-30	4.4	10
20	Lipidomics era: accomplishments and challenges. *Mass Spectrometry Reviews*, **2010**, 29, 877-929	11	139
19	Quantitative analysis of secretome from adipocytes regulated by insulin. *Acta Biochimica Et Biophysica Sinica*, **2009**, 41, 910-21	2.8	24
18	The differential protein and lipid compositions of noncaveolar lipid microdomains and caveolae. *Cell Research*, **2009**, 19, 497-506	24.7	52

17	Proteomics: from technology developments to biological applications. *Analytical Chemistry*, **2009**, 81, 4585-99	7.8	40
16	Glycoproteomic reactor for human plasma. *Journal of Proteome Research*, **2009**, 8, 556-66	5.6	29
15	Analysis of microdissected cells by two-dimensional LC-MS approaches. *Methods in Molecular Biology*, **2008**, 428, 193-208	1.4	10
14	Technological developments in lipidomics. *Briefings in Functional Genomics & Proteomics*, **2008**, 7, 395-409		33
13	Localized-statistical quantification of human serum proteome associated with type 2 diabetes. *PLoS ONE*, **2008**, 3, e3224	3.7	54
12	A fully automated 2-D LC-MS method utilizing online continuous pH and RP gradients for global proteome analysis. *Electrophoresis*, **2007**, 28, 4311-9	3.6	43
11	Proteomic profiling of regionalized proteins in rat epididymis indicates consistency between specialized distribution and protein functions. *Journal of Proteome Research*, **2006**, 5, 299-307	5.6	27
10	Prefractionation of proteome by liquid isoelectric focusing prior to two-dimensional liquid chromatography mass spectrometric identification. *Journal of Proteome Research*, **2005**, 4, 1256-64	5.6	23
9	Proteomic analysis with integrated multiple dimensional liquid chromatography/mass spectrometry based on elution of ion exchange column using pH steps. *Analytical Chemistry*, **2005**, 77, 5793-9	7.8	68
8	Two-dimensional gel electrophoresis maps of the proteome and phosphoproteome of primitively cultured rat mesangial cells. *Electrophoresis*, **2005**, 26, 4540-62	3.6	26
7	Proteomic analysis of hepatitis B virus-associated hepatocellular carcinoma: Identification of potential tumor markers. *Proteomics*, **2005**, 5, 1125-39	4.8	103
6	Large-scale identification of human biliary proteins from a cholesterol stone patient using a proteomic approach. *Rapid Communications in Mass Spectrometry*, **2005**, 19, 3569-78	2.2	36
5	pFind: a novel database-searching software system for automated peptide and protein identification via tandem mass spectrometry. *Bioinformatics*, **2005**, 21, 3049-50	7.2	116
4	Quantitative analysis of severe acute respiratory syndrome (SARS)-associated coronavirus-infected cells using proteomic approaches: implications for cellular responses to virus infection. *Molecular and Cellular Proteomics*, **2005**, 4, 902-13	7.6	69
3	Phosphoproteome analysis of mouse liver using immobilized metal affinity purification and linear ion trap mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2004**, 18, 2169-76	2.2	61
2	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. *Molecular and Cellular Proteomics*, **2004**, 3, 441-55	7.6	66
1	Characterization of the 3a protein of SARS-associated coronavirus in infected vero E6 cells and SARS patients. *Journal of Molecular Biology*, **2004**, 341, 271-9	6.5	83