

# Ping Xu

## List of Publications by Year in descending order

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95  
papers

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citations

236925

25  
h-index

138484

58  
g-index

111  
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111  
docs citations

111  
times ranked

5723  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Proteomics Reveals the Function of Unconventional Ubiquitin Chains in Proteasomal Degradation. <i>Cell</i> , 2009, 137, 133-145.	28.9	948
2	Congenital Heart Defects in the United States. <i>Circulation</i> , 2016, 134, 101-109.	1.6	507
3	Comprehensive identification of peptides in tandem mass spectra using an efficient open search engine. <i>Nature Biotechnology</i> , 2018, 36, 1059-1061.	17.5	275
4	Racioethnic diversity in the dynamics of the vaginal microbiome during pregnancy. <i>Nature Medicine</i> , 2019, 25, 1001-1011.	30.7	204
5	Systematical Optimization of Reverse-Phase Chromatography for Shotgun Proteomics. <i>Journal of Proteome Research</i> , 2009, 8, 3944-3950.	3.7	163
6	Characterization of Polyubiquitin Chain Structure by Middle-down Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 3438-3444.	6.5	99
7	Genetic and Clinical Findings in a Large Cohort of Chinese Patients with Suspected Retinitis Pigmentosa. <i>Ophthalmology</i> , 2019, 126, 1549-1556.	5.2	78
8	Dissecting the ubiquitin pathway by mass spectrometry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1940-1947.	2.3	72
9	Proteomic and metabolomic profiling of urine uncovers immune responses in patients with COVID-19. <i>Cell Reports</i> , 2022, 38, 110271.	6.4	66
10	Systematic Approach for Validating the Ubiquitinated Proteome. <i>Analytical Chemistry</i> , 2008, 80, 4161-4169.	6.5	65
11	Systematic Analyses of the Transcriptome, Translatome, and Proteome Provide a Global View and Potential Strategy for the C-HPP. <i>Journal of Proteome Research</i> , 2014, 13, 38-49.	3.7	60
12	Proteomic Analysis and NIR-II Imaging of MCM2 Protein in Hepatocellular Carcinoma. <i>Journal of Proteome Research</i> , 2018, 17, 2428-2439.	3.7	51
13	Urine proteome of COVID-19 patients. <i>Urine</i> , 2020, 2, 1-8.	4.0	51
14	CDK5RAP3, a UFL1 substrate adaptor, is critical for liver development. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	49
15	SARS-CoV-2 infection in the mouse olfactory system. <i>Cell Discovery</i> , 2021, 7, 49.	6.7	47
16	Tissue-Based Proteogenomics Reveals that Human Testis Endows Plentiful Missing Proteins. <i>Journal of Proteome Research</i> , 2015, 14, 3583-3594.	3.7	45
17	Enhanced Purification of Ubiquitinated Proteins by Engineered Tandem Hybrid Ubiquitin-binding Domains (ThUBDs). <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1381-1396.	3.8	44
18	Multi-omics analyses reveal metabolic alterations regulated by hepatitis B virus core protein in hepatocellular carcinoma cells. <i>Scientific Reports</i> , 2017, 7, 41089.	3.3	39

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19	Deep Coverage Proteomics Identifies More Low-Abundance Missing Proteins in Human Testis Tissue with Q-Exactive HF Mass Spectrometer. <i>Journal of Proteome Research</i> , 2016, 15, 3988-3997.	3.7	38
20	Precision De Novo Peptide Sequencing Using Mirror Proteases of Ac-LysargiNase and Trypsin for Large-scale Proteomics. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 773-785.	3.8	36
21	Quantitative Proteomics Reveals Membrane Protein-Mediated Hypersaline Sensitivity and Adaptation in Halophilic <i>Nocardiosis xinjiangensis</i> . <i>Journal of Proteome Research</i> , 2016, 15, 68-85.	3.7	35
22	Enrichment-Based Proteogenomics Identifies Microproteins, Missing Proteins, and Novel smORFs in <i>Saccharomyces cerevisiae</i> . <i>Journal of Proteome Research</i> , 2018, 17, 2335-2344.	3.7	35
23	Stable Isotope Labeling with Amino Acids in <i>Drosophila</i> for Quantifying Proteins and Modifications. <i>Journal of Proteome Research</i> , 2012, 11, 4403-4412.	3.7	34
24	Research on the protection effect of pioglitazone for non-alcoholic fatty liver disease (NAFLD) in rats. <i>Journal of Zhejiang University: Science B</i> , 2006, 7, 627-633.	2.8	31
25	Cell subtypes and immune dysfunction in peritoneal fluid of endometriosis revealed by single-cell RNA-sequencing. <i>Cell and Bioscience</i> , 2021, 11, 98.	4.8	31
26	Systematic research on the pretreatment of peptides for quantitative proteomics using a $C_{18}$ microcolumn. <i>Proteomics</i> , 2013, 13, 2229-2237.	2.2	30
27	Hepatitis B virus X induces inflammation and cancer in mice liver through dysregulation of cytoskeletal remodeling and lipid metabolism. <i>Oncotarget</i> , 2016, 7, 70559-70574.	1.8	30
28	Quantitative proteomics reveals FLNC as a potential progression marker for the development of hepatocellular carcinoma. <i>Oncotarget</i> , 2016, 7, 68242-68252.	1.8	28
29	A note on the false discovery rate of novel peptides in proteogenomics. <i>Bioinformatics</i> , 2015, 31, 3249-3253.	4.1	27
30	Morphometric analysis of the immunohistochemical expression of Clara cell 10-kDa protein and surfactant apoproteins A and B in the developing bronchi and bronchioles of human fetuses and neonates. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 1998, 432, 17-25.	2.8	25
31	Proteomics Links Ubiquitin Chain Topology Change to Transcription Factor Activation. <i>Molecular Cell</i> , 2019, 76, 126-137.e7.	9.7	24
32	&lt;p&gt;Comparisons of the efficacy and recurrence of adenomyomectomy for severe uterine diffuse adenomyosis via laparotomy versus laparoscopy: a long-term result in a single institution&lt;/p&gt;. <i>Journal of Pain Research</i> , 2019, Volume 12, 1917-1924.	2.0	24
33	Quantitative proteomics reveals mitochondrial respiratory chain as a dominant target for carbon ion radiation: Delayed reactive oxygen species generation caused DNA damage. <i>Free Radical Biology and Medicine</i> , 2019, 130, 436-445.	2.9	23
34	DeepDigest: Prediction of Protein Proteolytic Digestion with Deep Learning. <i>Analytical Chemistry</i> , 2021, 93, 6094-6103.	6.5	23
35	Phosphoproteomic Analysis of the Highly-Metastatic Hepatocellular Carcinoma Cell Line, MHCC97-H. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4209-4225.	4.1	22
36	Development of a rapid high-efficiency scalable process for acetylated <i>Sus scrofa</i> cationic trypsin production from <i>Escherichia coli</i> inclusion bodies. <i>Protein Expression and Purification</i> , 2015, 116, 120-126.	1.3	22

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37	Systematic Analysis of Missing Proteins Provides Clues to Help Define All of the Protein-Coding Genes on Human Chromosome 1. <i>Journal of Proteome Research</i> , 2014, 13, 114-125.	3.7	21
38	<b>Recombinant acetylated trypsin demonstrates superior stability and higher activity than commercial products in quantitative proteomics studies</b>. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1059-1066.	1.5	21
39	Comparative Proteomic Analysis of Buffalo Oocytes Matured in vitro Using iTRAQ Technique. <i>Scientific Reports</i> , 2016, 6, 31795.	3.3	21
40	Multi-Protease Strategy Identifies Three PE2 Missing Proteins in Human Testis Tissue. <i>Journal of Proteome Research</i> , 2017, 16, 4352-4363.	3.7	21
41	Hepatitis B Virus X Protein Stimulates Proliferation, Wound Closure and Inhibits Apoptosis of HuH-7 Cells via CDC42. <i>International Journal of Molecular Sciences</i> , 2017, 18, 586.	4.1	21
42	Clinical analysis of 50 patients with heterotopic pregnancy after ovulation induction or embryo transfer. <i>European Journal of Medical Research</i> , 2018, 23, 17.	2.2	21
43	A Proteomic Strategy for Quantifying Polyubiquitin Chain Topologies. <i>Israel Journal of Chemistry</i> , 2006, 46, 171-182.	2.3	20
44	Multiproteases Combined with High-pH Reverse-Phase Separation Strategy Verified Fourteen Missing Proteins in Human Testis Tissue. <i>Journal of Proteome Research</i> , 2018, 17, 4171-4177.	3.7	20
45	Identification of Missing Proteins in the Phosphoproteome of Kidney Cancer. <i>Journal of Proteome Research</i> , 2017, 16, 4364-4373.	3.7	19
46	Anemarrhena asphodeloides modulates gut microbiota and restores pancreatic function in diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 110954.	5.6	19
47	Pioglitazone: A Promising Therapeutic Tool in Sodium Taurocholate-Induced Severe Acute Pancreatitis. <i>Digestive Diseases and Sciences</i> , 2011, 56, 1082-1089.	2.3	16
48	Qualitative and quantitative analysis of the adult <i>Drosophila melanogaster</i> proteome. <i>Proteomics</i> , 2014, 14, 286-290.	2.2	16
49	Recombinant expression, refolding, purification and characterization of <i>Pseudomonas aeruginosa</i> protease IV in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2016, 126, 69-76.	1.3	16
50	Serum-Derived Exosomal Proteins as Potential Candidate Biomarkers for Hepatocellular Carcinoma. <i>ACS Omega</i> , 2021, 6, 827-835.	3.5	16
51	Translatomic profiling reveals novel self-restricting virus-host interactions during HBV infection. <i>Journal of Hepatology</i> , 2021, 75, 74-85.	3.7	16
52	Special Enrichment Strategies Greatly Increase the Efficiency of Missing Proteins Identification from Regular Proteome Samples. <i>Journal of Proteome Research</i> , 2015, 14, 3680-3692.	3.7	15
53	Activation of P2X7 receptors decreases the proliferation of murine luteal cells. <i>Reproduction, Fertility and Development</i> , 2015, 27, 1262.	0.4	15
54	Enhanced Purification of Ubiquitinated Proteins by Engineered Tandem Hybrid Ubiquitin-binding Domains (ThUBDs). <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1381-1396.	3.8	15

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55	Searching Missing Proteins Based on the Optimization of Membrane Protein Enrichment and Digestion Process. <i>Journal of Proteome Research</i> , 2016, 15, 4020-4029.	3.7	15
56	Benchmarking Cleavable Biotin Tags for Peptide-Centric Chemoproteomics. <i>Journal of Proteome Research</i> , 2022, 21, 1349-1358.	3.7	15
57	Omics Evidence: Single Nucleotide Variants Transmissions on Chromosome 20 in Liver Cancer Cell Lines. <i>Journal of Proteome Research</i> , 2014, 13, 200-211.	3.7	14
58	A rapid and easy protein N-terminal profiling strategy using ( <i>N</i> -succinimidyloxycarbonylmethyl)tris(2,4,6-trimethoxyphenyl)phosphonium bromide (TMPP) labeling and StageTip. <i>Proteomics</i> , 2017, 17, 1600481.	2.2	14
59	Development of Gel-Filter Method for High Enrichment of Low-Molecular Weight Proteins from Serum. <i>PLoS ONE</i> , 2015, 10, e0115862.	2.5	13
60	Open-pFind Enhances the Identification of Missing Proteins from Human Testis Tissue. <i>Journal of Proteome Research</i> , 2019, 18, 4189-4196.	3.7	13
61	Mass-Spectrometry-Based Near-Complete Draft of the <i>Saccharomyces cerevisiae</i> Proteome. <i>Journal of Proteome Research</i> , 2021, 20, 1328-1340.	3.7	13
62	Breast non-mass-like lesions on contrast-enhanced ultrasonography: Feature analysis, breast image reporting and data system classification assessment. <i>World Journal of Clinical Cases</i> , 2020, 8, 700-712.	0.8	13
63	Digging for Missing Proteins Using Low-Molecular-Weight Protein Enrichment and a Mirror Protease Strategy. <i>Journal of Proteome Research</i> , 2018, 17, 4178-4185.	3.7	12
64	Notch signalling regulates steroidogenesis in mouse ovarian granulosa cells. <i>Reproduction, Fertility and Development</i> , 2019, 31, 1091.	0.4	12
65	Association of Myometrial Invasion With Lymphovascular Space Invasion, Lymph Node Metastasis, Recurrence, and Overall Survival in Endometrial Cancer: A Meta-Analysis of 79 Studies With 68,870 Patients. <i>Frontiers in Oncology</i> , 2021, 11, 762329.	2.8	12
66	Evolutionary Characteristics of Missing Proteins: Insights into the Evolution of Human Chromosomes Related to Missing-Protein-Encoding Genes. <i>Journal of Proteome Research</i> , 2015, 14, 4985-4994.	3.7	9
67	Novel variants associated with Stargardt disease in Chinese patients. <i>Gene</i> , 2020, 754, 144890.	2.2	9
68	Multiomics interrogation into HBV (Hepatitis B virus)-host interaction reveals novel coding potential in human genome, and identifies canonical and non-canonical proteins as host restriction factors against HBV. <i>Cell Discovery</i> , 2021, 7, 105.	6.7	9
69	High-coverage proteomics reveals methionine auxotrophy in <i>Deinococcus radiodurans</i> . <i>Proteomics</i> , 2017, 17, 1700072.	2.2	7
70	Specific and Unbiased Detection of Polyubiquitination via a Sensitive Non-Antibody Approach. <i>Analytical Chemistry</i> , 2020, 92, 1074-1080.	6.5	7
71	Unambiguous Phosphosite Localization through the Combination of Trypsin and LysargiNase Mirror Spectra in a Large-Scale Phosphoproteome Study. <i>Journal of Proteome Research</i> , 2020, 19, 2185-2194.	3.7	7
72	Quantitative Proteomics Reveals the Development of HBV-Associated Glomerulonephritis Triggered by the Downregulation of SLC7A7. <i>Journal of Proteome Research</i> , 2020, 19, 1556-1564.	3.7	7

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73	LysargiNase enhances protein identification on the basis of trypsin on formalinâ€fixed paraffinâ€embedded samples. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1381-1389.	1.5	6
74	Recombinant expression, purification and characterization of acetylated LysargiNase from <i>Escherichia coli</i> with high activity and stability. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1067-1075.	1.5	6
75	Urinary Proteomic Characteristics of Hyperuricemia and Their Possible Links with the Occurrence of Its Concomitant Diseases. <i>ACS Omega</i> , 2021, 6, 9500-9508.	3.5	6
76	Proteogenomics Study of <i>Blastobotrys adenivorans</i> TMCC 70007â€A Dominant Yeast in the Fermentation Process of Pu-erh Tea. <i>Journal of Proteome Research</i> , 2021, 20, 3290-3304.	3.7	6
77	Unravelling the role of bandâ€offset landscape on the recombination zone dynamics in perovskite lightâ€emitting diodes. <i>Nano Select</i> , 2021, 2, 624-631.	3.7	6
78	Ac-LysargiNase Complements Trypsin for the Identification of Ubiquitinated Sites. <i>Analytical Chemistry</i> , 2019, 91, 15890-15898.	6.5	5
79	Comparison of subsequent pregnancy outcomes after surgery for adnexal masses performed in the first and second trimester of pregnancy. <i>International Journal of Gynecology and Obstetrics</i> , 2020, 148, 305-309.	2.3	5
80	Ubiquitin Linkage Specificity of Deubiquitinases Determines Cyclophilin Nuclear Localization and Degradation. <i>IScience</i> , 2020, 23, 100984.	4.1	5
81	Deubiquitinase Ubp3 enhances the proteasomal degradation of key enzymes in sterol homeostasis. <i>Journal of Biological Chemistry</i> , 2021, 296, 100348.	3.4	5
82	Improving Clinician-Patient Communication Alleviates Stigma in Patients With Functional Dyspepsia Receiving Antidepressant Treatment. <i>Journal of Neurogastroenterology and Motility</i> , 2022, 28, 95-103.	2.4	5
83	Regulation of mitophagy by metformin improves the structure and function of retinal ganglion cells following excitotoxicity-induced retinal injury. <i>Experimental Eye Research</i> , 2022, 217, 108979.	2.6	5
84	Quantitative phosphoproteomics reveal cellular responses from caffeine, coumarin and quercetin in treated HepG2 cells. <i>Toxicology and Applied Pharmacology</i> , 2022, 449, 116110.	2.8	4
85	Quantitative Proteomics Combined with Two Genetic Strategies for Screening Substrates of Ubiquitin Ligase Hrt3. <i>Journal of Proteome Research</i> , 2020, 19, 493-502.	3.7	3
86	Open-pFind Verified Four Missing Proteins from Multi-Tissues. <i>Journal of Proteome Research</i> , 2020, 19, 4808-4814.	3.7	3
87	Deep N-terminomics of <i>Mycobacterium tuberculosis</i> H37Rv extensively correct annotated encoding genes. <i>Genomics</i> , 2022, 114, 292-304.	2.9	3
88	Development of a novel miR-3648-related gene signature as a prognostic biomarker in esophageal adenocarcinoma. <i>Annals of Translational Medicine</i> , 2021, 9, 1702-1702.	1.7	2
89	Recombinant HNP-1 Produced by <i>Escherichia coli</i> Triggers Bacterial Apoptosis and Exhibits Antibacterial Activity against Drug-Resistant Bacteria. <i>Microbiology Spectrum</i> , 2022, , e0086021.	3.0	2
90	A proteomics strategy for the identification of multiple sites in sulfur mustardâ€modified HSA and screening potential biomarkers for retrospective analysis of exposed human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4179-4188.	3.7	2

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91	Fluorescein-labeled ThUBD probe for super-sensitive visualization of polyubiquitination signal in situ cells. <i>Talanta</i> , 2023, 253, 123564.	5.5	2
92	iTRAQ-Based Membrane Proteomics Reveals Plasma Membrane Proteins Change During HepaRG Cell Differentiation. <i>Journal of Proteome Research</i> , 2016, 15, 4245-4257.	3.7	1
93	Ac-LysargiNase efficiently helps genome reannotation of <i>Mycolicibacterium smegmatis</i> MC2 155. <i>Journal of Proteomics</i> , 2022, 264, 104622.	2.4	1
94	Chemically labeled ThUBD permits rapid and super-sensitive imaging of polyubiquitination signals. <i>Analyst</i> , 2022, 147, 3434-3443.	3.5	1
95	Serum protein complex profiling reveals heterogeneity of Balanced constitutional population in traditional Chinese medicine through blue native polyacrylamide gel electrophoresis. <i>Annals of Palliative Medicine</i> , 2021, 10, 1703-1716.	1.2	0