Haopeng Xiao

List of Publications by Year
in descending order

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32 papers	1,923 citations	331670 21 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	3244 citing authors

#	Article	IF	Citations
1	Efficacy, long-term toxicity, and mechanistic studies of gold nanorods photothermal therapy of cancer in xenograft mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3110-E3118.	7.1	237
2	A Quantitative Tissue-Specific Landscape of Protein Redox Regulation during Aging. Cell, 2020, 180, 968-983.e24.	28.9	220
3	Targeting cancer cell integrins using gold nanorods in photothermal therapy inhibits migration through affecting cytoskeletal proteins. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5655-E5663.	7.1	151
4	pH-Gated Succinate Secretion Regulates Muscle Remodeling in Response to Exercise. Cell, 2020, 183, 62-75.e17.	28.9	129
5	Simultaneous Time-Dependent Surface-Enhanced Raman Spectroscopy, Metabolomics, and Proteomics Reveal Cancer Cell Death Mechanisms Associated with Gold Nanorod Photothermal Therapy. Journal of the American Chemical Society, 2016, 138, 15434-15442.	13.7	128
6	An enrichment method based on synergistic and reversible covalent interactions for large-scale analysis of glycoproteins. Nature Communications, 2018, 9, 1692.	12.8	127
7	Factors of the bone marrow microniche that support human plasma cell survival and immunoglobulin secretion. Nature Communications, 2018, 9, 3698.	12.8	95
8	UCP1 governs liver extracellular succinate and inflammatory pathogenesis. Nature Metabolism, 2021, 3, 604-617.	11.9	82
9	Mass Spectrometry-Based Chemical and Enzymatic Methods for Global Analysis of Protein Glycosylation. Accounts of Chemical Research, 2018, 51, 1796-1806.	15.6	77
10	Global and siteâ€specific analysis of protein glycosylation in complex biological systems with Mass Spectrometry. Mass Spectrometry Reviews, 2019, 38, 356-379.	5.4	75
11	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.	7.1	73
12	Evaluation and optimization of reduction and alkylation methods to maximize peptide identification with MS-based proteomics. Molecular BioSystems, 2017, 13, 2574-2582.	2.9	68
13	Quantitative investigation of human cell surface N-glycoprotein dynamics. Chemical Science, 2017, 8, 268-277.	7.4	55
14	Specific Identification of Glycoproteins Bearing the Tn Antigen in Human Cells. Angewandte Chemie - International Edition, 2017, 56, 7107-7111.	13.8	48
15	Site-Specific Quantification of Surface N-Glycoproteins in Statin-Treated Liver Cells. Analytical Chemistry, 2016, 88, 3324-3332.	6.5	44
16	IRF3 reduces adipose thermogenesis via ISG15-mediated reprogramming of glycolysis. Journal of Clinical Investigation, 2021, 131, .	8.2	43
17	Glycogen metabolism links glucose homeostasis to thermogenesis in adipocytes. Nature, 2021, 599, 296-301.	27.8	36
18	Quantification of tunicamycin-induced protein expression and N-glycosylation changes in yeast. Analyst, The, 2016, 141, 3737-3745.	3.5	30

#	Article	IF	Citations
19	Global Analysis of Secreted Proteins and Glycoproteins in Saccharomyces cerevisiae. Journal of Proteome Research, 2017, 16, 1039-1049.	3.7	30
20	Extracellular vesicles from bone marrowâ€derived mesenchymal stromal cells support ex vivo survival of human antibody secreting cells. Journal of Extracellular Vesicles, 2018, 7, 1463778.	12.2	27
21	Cysteine 253 of UCP1 regulates energy expenditure and sex-dependent adipose tissue inflammation. Cell Metabolism, 2022, 34, 140-157.e8.	16.2	27
22	Global and Site-Specific Analysis Revealing Unexpected and Extensive Protein S-GlcNAcylation in Human Cells. Analytical Chemistry, 2017, 89, 3656-3663.	6.5	21
23	Systematic quantification of the dynamics of newly synthesized proteins unveiling their degradation pathways in human cells. Chemical Science, 2020, 11, 3557-3568.	7.4	18
24	Comprehensive Analysis of Protein Glycation Reveals Its Potential Impacts on Protein Degradation and Gene Expression in Human Cells. Journal of the American Society for Mass Spectrometry, 2019, 30, 2480-2490.	2.8	17
25	Evidence for the importance of post-transcriptional regulatory changes in ovarian cancer progression and the contribution of miRNAs. Scientific Reports, 2017, 7, 8171.	3.3	14
26	Simultaneous Quantitation of Glycoprotein Degradation and Synthesis Rates by Integrating Isotope Labeling, Chemical Enrichment, and Multiplexed Proteomics. Analytical Chemistry, 2017, 89, 10361-10367.	6.5	13
27	Mass spectrometric analysis of the N-glycoproteome in statin-treated liver cells with two lectin-independent chemical enrichment methods. International Journal of Mass Spectrometry, 2018, 429, 66-75.	1.5	12
28	Simultaneously Identifying and Distinguishing Glycoproteins with O-GlcNAc and O-GalNAc (the Tn) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	6.5	10
29	Systematic Investigation of Cellular Response and Pleiotropic Effects in Atorvastatin-Treated Liver Cells by MS-Based Proteomics. Journal of Proteome Research, 2015, 14, 1600-1611.	3.7	9
30	A Boronic Acid-Based Enrichment for Site-Specific Identification of the N-glycoproteome Using MS-Based Proteomics. Neuromethods, 2015, , 31-41.	0.3	3
31	Specific Identification of Glycoproteins Bearing the Tn Antigen in Human Cells. Angewandte Chemie, 2017, 129, 7213-7217.	2.0	2
32	AIDA and UCP1 snuggle up to prevent hypothermia. Nature Cell Biology, 2021, 23, 216-218.	10.3	0