Hao-Jie Lu

List of Publications by Year in descending order

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117	3,189	29 h-index	50
papers	citations		g-index
120	120	120	3816
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	High-throughput site-specific $\langle i \rangle N \langle i \rangle$ -glycoproteomics reveals glyco-signatures for liver disease diagnosis. National Science Review, 2023, 10, .	9.5	11
2	Mass spectrometry-based analysis of IgG glycosylation and its applications. International Journal of Mass Spectrometry, 2022, 474, 116799.	1.5	4
3	Progress of proteomicsâ€driven precision medicine: From a glycosylation view. Rapid Communications in Mass Spectrometry, 2022, 36, .	1.5	9
4	Palmitoylation of MDH2 by ZDHHC18 activates mitochondrial respiration and accelerates ovarian cancer growth. Science China Life Sciences, 2022, 65, 2017-2030.	4.9	19
5	Fast Discrimination of Sialylated N-Glycan Linkage Isomers with One-Step Derivatization by Microfluidic Capillary Electrophoresis–Mass Spectrometry. Analytical Chemistry, 2022, 94, 4666-4676.	6.5	11
6	Specific and Reversible Enrichment of Early-Stage Glycated Proteome Based on Thiazolidine Chemistry and Palladium-Mediated Cleavage. Analytical Chemistry, 2022, 94, 5213-5220.	6.5	2
7	Nascent Proteome and Glycoproteome Reveal the Inhibition Role of ALG1 in Hepatocellular Carcinoma Cell Migration. Phenomics, 2022, 2, 230-241.	2.9	8
8	A peptidic inhibitor for PD-1 palmitoylation targets its expression and functions. RSC Chemical Biology, 2021, 2, 192-205.	4.1	26
9	O-GlcNAcylation of MEK2 promotes the proliferation and migration of breast cancer cells. Glycobiology, 2021, 31, 571-581.	2.5	13
10	Mass defect-based carbonyl activated tags (mdCATs) for multiplex data-independent acquisition proteome quantification. Chemical Communications, 2021, 57, 737-740.	4.1	3
11	Discover the <scp>Postâ€Translational</scp> Modification Proteome Using Mass Spectrometry. Chinese Journal of Chemistry, 2021, 39, 550-558.	4.9	9
12	Comparative analysis of intact glycopeptides from mannose receptor among different breast cancer subtypes using mass spectrometry. Talanta, 2021, 223, 121676.	5.5	11
13	Advances in Analysis of Linkage Isomers of Sialylated N-Glycans by Mass Spectrometry. Acta Chimica Sinica, 2021, 79, 705.	1.4	5
14	One step carboxyl group isotopic labeling for quantitative analysis of intact <i>N</i> glycopeptides by mass spectrometry. Chemical Communications, 2021, 57, 4154-4157.	4.1	5
15	Linkage-selective derivatization for glycosylation site- and glycoform-specific characterization of sialic acid isomers using mass spectrometry. Chemical Communications, 2021, 57, 9590-9593.	4.1	9
16	Integrated Strategy for Discovery and Validation of Glycated Candidate Biomarkers for Hemodialysis Patients with Cardiovascular Complications. Analytical Chemistry, 2021, 93, 4398-4407.	6.5	4
17	Specific Analysis of α-2,3-Sialylated N-Glycan Linkage Isomers by Microchip Capillary Electrophoresis–Mass Spectrometry. Analytical Chemistry, 2021, 93, 5537-5546.	6.5	20
18	Analysis of Serum Paraoxonase 1 Using Mass Spectrometry and Lectin Immunoassay in Patients With Alpha-Fetoprotein Negative Hepatocellular Carcinoma. Frontiers in Oncology, 2021, 11, 651421.	2.8	5

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19	Enhancing Comprehensive Analysis of Newly Synthesized Proteins Based on Cleavable Bioorthogonal Tagging. Analytical Chemistry, 2021, 93, 9408-9417.	6.5	5
20	SAPT, a Fast and Efficient Approach for Simultaneous Profiling of Protein N- and C-Terminome. Analytical Chemistry, 2021, 93, 10553-10560.	6.5	8
21	Fractionation-free negative enriching for in-depth C-terminome analysis. Chinese Chemical Letters, 2021, , .	9.0	2
22	Relative Quantification of N-Glycopeptide Sialic Acid Linkage Isomers by Ion Mobility Mass Spectrometry. Analytical Chemistry, 2021, 93, 15617-15625.	6.5	15
23	Dual isotopic labeling combined with fluorous solid-phase extraction for simultaneous discovery of neutral/sialylated N-glycans as biomarkers for gastric cancer. Analytica Chimica Acta, 2020, 1104, 87-94.	5.4	12
24	A thiazolidine formation-based approach for ultrafast and highly efficient solid-phase extraction of N-Glycoproteome. Analytica Chimica Acta, 2020, 1100, 174-181.	5.4	12
25	Tracking Pathogen Infections by Timeâ€Resolved Chemical Proteomics. Angewandte Chemie - International Edition, 2020, 59, 2235-2240.	13.8	6
26	A novel method for large-scale confirmation of protein structures and surface accessible modification sites. Talanta, 2020, 211, 120697.	5.5	1
27	Sample preparation approaches for qualitative and quantitative analysis of lipid-derived electrophile modified proteomes by mass spectrometry. Molecular Omics, 2020, 16, 511-520.	2.8	2
28	FluoroTRAQ: Quantitative Analysis of Protein S-Nitrosylation through Fluorous Solid-Phase Extraction Combining with iTRAQ by Mass Spectrometry. Analytical Chemistry, 2020, 92, 15317-15322.	6.5	7
29	Par complex cluster formation mediated by phase separation. Nature Communications, 2020, 11 , 2266.	12.8	73
30	Rapid and Easy Enrichment Strategy for Naturally Acetylated N Termini Based on LysN Digestion and Amine-Reactive Resin Capture. Analytical Chemistry, 2020, 92, 8315-8322.	6.5	10
31	Palmitoylation as a Signal for Delivery. Advances in Experimental Medicine and Biology, 2020, 1248, 399-424.	1.6	17
32	Methodology for Detecting Protein Palmitoylation. Advances in Experimental Medicine and Biology, 2020, 1248, 425-430.	1.6	5
33	HST-MRM-MS: A Novel High-Sample-Throughput Multiple Reaction Monitoring Mass Spectrometric Method for Multiplex Absolute Quantitation of Hepatocellular Carcinoma Serum Biomarker. Journal of Proteome Research, 2019, 18, 469-477.	3.7	5
34	A barcode mode based on glycosylation sites of membrane type mannose receptor as a new potential diagnostic marker for breast cancer. Talanta, 2019, 191, 21-26.	5.5	8
35	MdCDPM: A Mass Defect-Based Chemical-Directed Proteomics Method for Targeted Analysis of Intact Sialylglycopeptides. Analytical Chemistry, 2019, 91, 9986-9992.	6.5	6
36	Stable Isotope Sequential Derivatization for Linkage-Specific Analysis of Sialylated N-Glycan Isomers by MS. Analytical Chemistry, 2019, 91, 15993-16001.	6.5	32

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37	Glycan reductive amino acid coded affinity tagging (GRACAT) for highly specific analysis of N-glycome by mass spectrometry. Analytica Chimica Acta, 2019, 1089, 90-99.	5.4	4
38	Chemical labeling for fine mapping of IgG N-glycosylation by ETD-MS. Chemical Science, 2019, 10, 9302-9307.	7.4	32
39	In-Depth Analysis of C Terminomes Based on LysC Digestion and Site-Selective Dimethylation. Analytical Chemistry, 2019, 91, 6498-6506.	6.5	16
40	Selective Identification and Site-Specific Quantification of 4-Hydroxy-2-nonenal-Modified Proteins. Analytical Chemistry, 2019, 91, 5235-5243.	6.5	12
41	Isoelectric focusing array with immobilized pH gradient and dynamic scanning imaging for diabetes diagnosis. Analytica Chimica Acta, 2019, 1063, 178-186.	5 . 4	11
42	Inhibiting PD-L1 palmitoylation enhances T-cell immune responses against tumours. Nature Biomedical Engineering, 2019, 3, 306-317.	22.5	279
43	A practical approach to enrich intact tryptic N-glycopeptides through size exclusion chromatography and hydrophilicity (SELIC) using an acrylamide-agarose composite gel system. Analytica Chimica Acta, 2019, 1058, 107-116.	5.4	11
44	PLC \hat{l}^2 2 negatively regulates the inflammatory response to virus infection by inhibiting phosphoinositide-mediated activation of TAK1. Nature Communications, 2019, 10, 746.	12.8	20
45	Reverse capture for selectively and sensitively revealing the $\langle i \rangle N \langle i \rangle$ -glycome of serum exosomes. Chemical Communications, 2019, 55, 14339-14342.	4.1	26
46	N-glycopeptide Signatures of IgA2 in Serum from Patients with Hepatitis B Virus-related Liver Diseases. Molecular and Cellular Proteomics, 2019, 18, 2262-2272.	3.8	23
47	Integrated Pipeline of Isotopic Labeling and Selective Enriching for Quantitative Analysis of <i>N</i> -Glycome by Mass Spectrometry. Analytical Chemistry, 2019, 91, 1486-1493.	6.5	30
48	A streamlined strategy for rapid and selective analysis of serum N-glycome. Analytica Chimica Acta, 2019, 1050, 80-87.	5 . 4	20
49	Reductive Amination Combining Dimethylation for Quantitative Analysis of Early-Stage Glycated Proteins. Analytical Chemistry, 2018, 90, 3752-3758.	6. 5	6
50	Ultradeep Palmitoylomics Enabled by Dithiodipyridine-Functionalized Magnetic Nanoparticles. Analytical Chemistry, 2018, 90, 6161-6168.	6.5	31
51	A Streamlined Sample Preparation Method for Mass Spectrometric Analysis. Current Protocols in Cell Biology, 2018, 78, 5.8.1-5.8.8.	2.3	1
52	Diagnosis of thymic epithelial tumor subtypes by a quantitative proteomic approach. Analyst, The, 2018, 143, 2491-2500.	3.5	8
53	Advances in sample preparation strategies for MS-based qualitative and quantitative N-glycomics. TrAC - Trends in Analytical Chemistry, 2018, 99, 34-46.	11.4	31
54	A novel triplex isobaric termini labeling quantitative approach for simultaneously supplying three quantitative sources. Analytica Chimica Acta, 2018, 1001, 70-77.	5 . 4	10

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55	Selective Enrichment and Quantification of N-Terminal Glycine Peptides via Sortase A Mediated Ligation. Analytical Chemistry, 2018, 90, 14303-14308.	6.5	8
56	Activated hepatic stellate cells promote epithelial-to-mesenchymal transition in hepatocellular carcinoma through transglutaminase 2-induced pseudohypoxia. Communications Biology, 2018, 1, 168.	4.4	25
57	CARM1 Methylates GAPDH to Regulate Glucose Metabolism and Is Suppressed in Liver Cancer. Cell Reports, 2018, 24, 3207-3223.	6.4	96
58	Duplex Stable Isotope Labeling (DuSIL) for Simultaneous Quantitation and Distinction of Sialylated and Neutral N-Glycans by MALDI-MS. Analytical Chemistry, 2018, 90, 10442-10449.	6.5	39
59	Site-Specific Quantification of Protein Palmitoylation by Cysteine-Stable Isotope Metabolic Labeling. Analytical Chemistry, 2018, 90, 10543-10550.	6.5	18
60	Highly Selective and Large Scale Mass Spectrometric Analysis of 4-Hydroxynonenal Modification via Fluorous Derivatization and Fluorous Solid-Phase Extraction. Analytical Chemistry, 2017, 89, 3093-3100.	6.5	28
61	Quantification of N-glycosylation site occupancy status based on labeling/label-free strategies with LC-MS/MS. Talanta, 2017, 170, 509-513.	5.5	19
62	VHL deficiency augments anthracycline sensitivity of clear cell renal cell carcinomas by down-regulating ALDH2. Nature Communications, 2017, 8, 15337.	12.8	43
63	Metallic Element Chelated Tag Labeling (MeCTL) for Quantitation of N-Glycans in MALDI-MS. Analytical Chemistry, 2017, 89, 7470-7476.	6.5	24
64	Fluorous Solid-Phase Extraction Technique Based on Nanographite Fluoride. Analytical Chemistry, 2017, 89, 4566-4572.	6.5	21
65	Direct digestion of living cells via a gel-based strategy for mass spectrometric analysis. Chemical Communications, 2017, 53, 1421-1424.	4.1	1
66	Site-Specific Quantification of Protein Ubiquitination on MS2 Fragment Ion Level via Isobaric Peptide Labeling. Analytical Chemistry, 2017, 89, 11468-11475.	6.5	9
67	MdFDIA: A Mass Defect Based Four-Plex Data-Independent Acquisition Strategy for Proteome Quantification. Analytical Chemistry, 2017, 89, 10248-10255.	6.5	24
68	Fabrication of Alkoxyamine-Functionalized Magnetic Core-Shell Microspheres via Reflux Precipitation Polymerization for Glycopeptide Enrichment. Polymers, 2016, 8, 74.	4.5	9
69	Affinity Purification of the Hepatitis C Virus Replicase Identifies Valosin-Containing Protein, a Member of the ATPases Associated with Diverse Cellular Activities Family, as an Active Virus Replication Modulator. Journal of Virology, 2016, 90, 9953-9966.	3.4	29
70	Expanding Radical SAM Chemistry by Using Radical Addition Reactions and SAM Analogues. Angewandte Chemie - International Edition, 2016, 55, 11845-11848.	13.8	44
71	Expanding Radical SAM Chemistry by Using Radical Addition Reactions and SAM Analogues. Angewandte Chemie, 2016, 128, 12024-12027.	2.0	10
72	Mapping and analyzing the human liver proteome: progress and potential. Expert Review of Proteomics, 2016, 13, 833-843.	3.0	7

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73	Highly specific purification of N-glycans using phosphate-based derivatization as an affinity tag in combination with Ti4+-SPE enrichment for mass spectrometric analysis. Analytica Chimica Acta, 2016, 934, 145-151.	5.4	11
74	Advancements in mass spectrometry-based glycoproteomics and glycomics. National Science Review, 2016, 3, 345-364.	9.5	43
75	Identification of Palmitoylated Transitional Endoplasmic Reticulum ATPase by Proteomic Technique and Pan Antipalmitoylation Antibody. Journal of Proteome Research, 2016, 15, 956-962.	3.7	31
76	ELISA–PLA: A novel hybrid platform for the rapid, highly sensitive and specific quantification of proteins and post-translational modifications. Biosensors and Bioelectronics, 2016, 80, 385-391.	10.1	27
77	The kinase CK1E controls the antiviral immune response by phosphorylating the signaling adaptor TRAF3. Nature Immunology, 2016, 17, 397-405.	14.5	29
78	ITMSQ: A software tool for N―and Câ€ŧerminal fragment ion pairs based isobaric tandem mass spectrometry quantification. Proteomics, 2015, 15, 3755-3764.	2.2	15
79	Identification of Arsenic Direct-Binding Proteins in Acute Promyelocytic Leukaemia Cells. International Journal of Molecular Sciences, 2015, 16, 26871-26879.	4.1	16
80	Highly specific enrichment of N-glycoproteome through a nonreductive amination reaction using Fe ₃ O ₄ @SiO ₂ -aniline nanoparticles. Chemical Communications, 2015, 51, 5982-5985.	4.1	23
81	Solving signal instability to maintain the second-order advantage in the resolution and determination of multi-analytes in complex systems by modeling liquid chromatography–mass spectrometry data using alternating trilinear decomposition method assisted with piecewise direct standardization. lournal of Chromatography A. 2015, 1407, 157-168.	3.7	11
82	Fluorinated Carbon Tag Derivatization Combined with Fluorous Solid-Phase Extraction: A New Method for the Highly Sensitive and Selective Mass Spectrometric Analysis of Glycans. Analytical Chemistry, 2015, 87, 5125-5131.	6.5	34
83	Fishing the PTM proteome with chemical approaches using functional solid phases. Chemical Society Reviews, 2015, 44, 8260-8287.	38.1	70
84	Positive Enrichment of C-Terminal Peptides Using Oxazolone Chemistry and Biotinylation. Analytical Chemistry, 2015, 87, 9916-9922.	6.5	26
85	Glycan reductive isotope-coded amino acid labeling (GRIAL) for mass spectrometry-based quantitative N-glycomics. Chemical Communications, 2015, 51, 772-775.	4.1	31
86	Progress in Research Methods for Protein Palmitoylation. Chinese Journal of Analytical Chemistry, 2014, 42, 616-622.	1.7	6
87	Precisely designed rattle-type mTiO ₂ @P(NIPAM-co-MBA) microspheres with screening gel network for highly selective extraction of phosphopeptidome. RSC Advances, 2014, 4, 42957-42964.	3.6	4
88	Template-free synthesis of uniform magnetic mesoporous TiO2 nanospindles for highly selective enrichment of phosphopeptides. Materials Horizons, 2014, 1, 439.	12.2	53
89	Multiple technical routes to obtain a proteomics expression profile of French liver samples. Analytical Methods, 2014, 6, 2950-2958.	2.7	0
90	Multi-targeted interference-free determination of ten β-blockers in human urine and plasma samples by alternating trilinear decomposition algorithm-assisted liquid chromatography–mass spectrometry in full scan mode: Comparison with multiple reaction monitoring. Analytica Chimica Acta, 2014, 848, 10-24.	5.4	45

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91	Global in vivo terminal amino acid labeling for exploring differential expressed proteins induced by dialyzed serum cultivation. Analyst, The, 2014, 139, 4497-4504.	3.5	6
92	Highly Selective and Ultra Fast Solid-Phase Extraction of N-Glycoproteome by Oxime Click Chemistry Using Aminooxy-Functionalized Magnetic Nanoparticles. Analytical Chemistry, 2014, 86, 7920-7924.	6.5	54
93	Mass spectrometry-based N-glycoproteomics for cancer biomarker discovery. Clinical Proteomics, 2014, 11, 18.	2.1	51
94	Highly Efficient Enrichment Method for Glycopeptide Analyses: Using Specific and Nonspecific Nanoparticles Synergistically. Analytical Chemistry, 2014, 86, 2057-2064.	6.5	87
95	Approach for Identification and Quantification of C-Terminal Peptides: Incorporation of Isotopic Arginine Labeling Based on Oxazolone Chemistry. Analytical Chemistry, 2013, 85, 10745-10753.	6.5	17
96	An Accessible Protocol for Solid-Phase Extraction of N-Linked Glycopeptides through Reductive Amination by Amine-Functionalized Magnetic Nanoparticles. Analytical Chemistry, 2013, 85, 5535-5541.	6.5	84
97	Hyperplex-MRM: A Hybrid Multiple Reaction Monitoring Method Using mTRAQ/iTRAQ Labeling for Multiplex Absolute Quantification of Human Colorectal Cancer Biomarker. Journal of Proteome Research, 2013, 12, 3912-3919.	3.7	33
98	Ti ⁴⁺ â€Immobilized Magnetic Composite Microspheres for Highly Selective Enrichment of Phosphopeptides. Advanced Functional Materials, 2013, 23, 107-115.	14.9	107
99	Quantitative analysis of site-specific & amp; lt; italic & amp; gt; N & amp; lt; litalic & amp; gt; -glycans on sera haptoglobin & amp; beta; chain in liver diseases. Acta Biochimica Et Biophysica Sinica, 2013, 45, 1021-1029.	2.0	28
100	On-plate enrichment methods for MALDI-MS analysis in proteomics. Analytical Methods, 2012, 4, 2622.	2.7	24
101	A novel quantitative proteomics workflow by isobaric terminal labeling. Journal of Proteomics, 2012, 75, 5797-5806.	2.4	28
102	Ligand-free strategy for ultrafast and highly selective enrichment of glycopeptides using Ag-coated magnetic nanoarchitectures. Journal of Materials Chemistry, 2012, 22, 23981.	6.7	34
103	Enhanced Ionization of Phosphatidylcholines during MALDI Mass Spectrometry Using DCTB as Matrix. Chinese Journal of Chemistry, 2012, 30, 2091-2096.	4.9	3
104	Tailor-Made Magnetic Fe ₃ O ₄ @mTiO ₂ Microspheres with a Tunable Mesoporous Anatase Shell for Highly Selective and Effective Enrichment of Phosphopeptides. ACS Nano, 2012, 6, 3179-3188.	14.6	283
105	In Vivo Termini Amino Acid Labeling for Quantitative Proteomics. Analytical Chemistry, 2011, 83, 6026-6033.	6.5	23
106	Comprehensive Profiling for Histone H4 of Human Liver Cells Using High Resolution LTQâ€Orbitrap Mass Spectrometry. Chinese Journal of Chemistry, 2011, 29, 171-177.	4.9	2
107	Facile Synthesis of Boronic Acid-Functionalized Magnetic Mesoporous Silica Nanocomposites for Highly Specific Enrichment of Glycopeptides. Chinese Journal of Chemistry, 2011, 29, 835-839.	4.9	25
108	New lysine-acetylated proteins screened by immunoaffinity and liquid chromatography-mass spectrometry. Science China Chemistry, 2010, 53, 238-244.	8.2	0

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109	Recent developments of nanoparticle-based enrichment methods for mass spectrometric analysis in proteomics. Science China Chemistry, 2010, 53, 695-703.	8.2	14
110	Tandem 18O Stable Isotope Labeling for Quantification of N-Glycoproteome. Journal of Proteome Research, 2010, 9, 227-236.	3.7	73
111	Novel Proteomic Strategy Reveal Combined α ₁ Antitrypsin and Cathepsin D as Biomarkers for Colorectal Cancer Early Screening. Journal of Proteome Research, 2010, 9, 4701-4709.	3.7	53
112	Iterative Nonâ€ <i>m</i> / <i>z</i> à€sharing Rule for Confident and Sensitive Protein Identification of Nonâ€shotgun Proteomics. Chinese Journal of Chemistry, 2009, 27, 331-337.	4.9	0
113	ZnOâ^Poly(methyl methacrylate) Nanobeads for Enriching and Desalting Low-Abundant Proteins Followed by Directly MALDI-TOF MS Analysis. Analytical Chemistry, 2008, 80, 6758-6763.	6.5	61
114	Revealing the Dynamics of the 20 S Proteasome Phosphoproteome. Molecular and Cellular Proteomics, 2008, 7, 2073-2089.	3.8	69
115	CaCO3–Poly(methyl methacrylate) Nanoparticles for Fast Enrichment of Low-Abundance Peptides Followed by CaCO3-Core Removal for MALDI-TOF MS Analysis. Angewandte Chemie - International Edition, 2006, 45, 3345-3349.	13.8	58
116	Sol-gel-derived Poly(dimethylsiloxane) Enzymatic Reactor for Microfluidic Peptide Mapping. Chinese Journal of Chemistry, 2006, 24, 903-909.	4.9	5
117	Electrospray ionization fourier transform ion cyclotron resonance mass spectrometric study on sodium azide cluster ions. Chinese Journal of Chemistry, 2004, 22, 1164-1169.	4.9	4