

# Zhen Liang

## List of Publications by Citations

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68

papers

1,012

citations

20

h-index

29

g-index

83

ext. papers

1,261

ext. citations

6.2

avg, IF

4.21

L-index

#	Paper	IF	Citations
68	Hydrophilic GO/Fe <sub>3</sub> O <sub>4</sub> /Au/PEG nanocomposites for highly selective enrichment of glycopeptides. <i>Nanoscale</i> , <b>2016</b> , 8, 4894-7	7.7	68
67	Epitope Imprinting Technology: Progress, Applications, and Perspectives toward Artificial Antibodies. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902048	24	67
66	Preparation of protein imprinted materials by hierarchical imprinting techniques and application in selective depletion of albumin from human serum. <i>Scientific Reports</i> , <b>2014</b> , 4, 5487	4.9	49
65	3-Carboxybenzoboroxole Functionalized Polyethylenimine Modified Magnetic Graphene Oxide Nanocomposites for Human Plasma Glycoproteins Enrichment under Physiological Conditions. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 2671-2677	7.8	43
64	Gold nanoparticles immobilized hydrophilic monoliths with variable functional modification for highly selective enrichment and on-line deglycosylation of glycopeptides. <i>Analytica Chimica Acta</i> , <b>2015</b> , 900, 83-9	6.6	40
63	Clickable Periodic Mesoporous Organosilica Monolith for Highly Efficient Capillary Chromatographic Separation. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1521-5	7.8	38
62	Dendrimer-grafted graphene oxide nanosheets as novel support for trypsin immobilization to achieve fast on-plate digestion of proteins. <i>Talanta</i> , <b>2014</b> , 122, 278-84	6.2	37
61	Hydrogen-bond interaction assisted branched copolymer HILIC material for separation and N-glycopeptides enrichment. <i>Talanta</i> , <b>2016</b> , 158, 361-367	6.2	36
60	Aptamer functionalized hydrophilic polymer monolith with gold nanoparticles modification for the sensitive detection of human $\alpha$ -thrombin. <i>Talanta</i> , <b>2016</b> , 154, 555-9	6.2	36
59	Preparation of hydrophilic monolithic capillary column by in situ photo-polymerization of N-vinyl-2-pyrrolidinone and acrylamide for highly selective and sensitive enrichment of N-linked glycopeptides. <i>Talanta</i> , <b>2016</b> , 146, 225-30	6.2	35
58	Hydrophobic Tagging-Assisted N-Termini Enrichment for In-Depth N-Terminome Analysis. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8390-5	7.8	32
57	Pressurized electrochromatography coupled with electrospray ionization mass spectrometry for analysis of peptides and proteins. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 6935-40	7.8	30
56	1.9 $\mu$ m superficially porous packing material with radially oriented pores and tailored pore size for ultra-fast separation of small molecules and biomolecules. <i>Journal of Chromatography A</i> , <b>2014</b> , 1356, 148-56	4.5	29
55	High Anti-Interfering Profiling of Endogenous Glycopeptides for Human Plasma by the Dual-Hydrophilic Metal-Organic Framework. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 4852-4859	7.8	28
54	4-Mercaptophenylboronic acid functionalized graphene oxide composites: Preparation, characterization and selective enrichment of glycopeptides. <i>Analytica Chimica Acta</i> , <b>2016</b> , 912, 41-8	6.6	28
53	Advances in exosome isolation methods and their applications in proteomic analysis of biological samples. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 5351-5361	4.4	27
52	In-Depth Proteomic Quantification of Cell Secretome in Serum-Containing Conditioned Medium. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 4971-8	7.8	27

51	Facile synthesis of gallium ions immobilized and adenosine functionalized magnetic nanoparticles with high selectivity for multi-phosphopeptides. <i>Analytica Chimica Acta</i> , <b>2015</b> , 900, 46-55	6.6	25
50	Effects of experimental parameters on the signal intensity of capillary electrophoresis electrospray ionization mass spectrometry in protein analysis. <i>Chromatographia</i> , <b>2003</b> , 57, 617-621	2.1	20
49	On-line concentration of proteins in pressurized capillary electrochromatography coupled with electrospray ionization-mass spectrometry. <i>Electrophoresis</i> , <b>2005</b> , 26, 1398-405	3.6	20
48	Teicoplanin bonded sub-2 μm superficially porous particles for enantioseparation of native amino acids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 114, 247-53	3.5	18
47	"Thiol-ene" grafting of silica particles with three-dimensional branched copolymer for HILIC/cation-exchange chromatographic separation and N-glycopeptide enrichment. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 1019-1027	4.4	18
46	In-Depth Proteome Coverage by Improving Efficiency for Membrane Proteome Analysis. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 5179-5185	7.8	17
45	Antibody-Free Hydrogel with the Synergistic Effect of Cell Imprinting and Boronate Affinity: Toward the Selective Capture and Release of Undamaged Circulating Tumor Cells. <i>Small</i> , <b>2020</b> , 16, e19041199	11.99	17
44	Aptamer-conjugated gold functionalized graphene oxide nanocomposites for human thrombin specific recognition. <i>Journal of Chromatography A</i> , <b>2016</b> , 1427, 16-21	4.5	17
43	Preparation of surface imprinted core-shell particles via a metal chelating strategy: specific recognition of porcine serum albumin. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 345-352	5.8	17
42	Bis(zinc(II)-dipicolylamine)-functionalized sub-2 μm core-shell microspheres for the analysis of N-phosphoproteome. <i>Nature Communications</i> , <b>2020</b> , 11, 6226	17.4	15
41	imFASP: An integrated approach combining in-situ filter-aided sample pretreatment with microwave-assisted protein digestion for fast and efficient proteome sample preparation. <i>Analytica Chimica Acta</i> , <b>2016</b> , 912, 58-64	6.6	11
40	Transferrin recognition based on a protein imprinted material prepared by hierarchical imprinting technique. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 1379-1386	5.8	11
39	Molecular Dynamics Simulation-assisted Ionic Liquid Screening for Deep Coverage Proteome Analysis. <i>Molecular and Cellular Proteomics</i> , <b>2020</b> , 19, 1724-1737	7.6	11
38	Dandelion-like core-shell silica microspheres with hierarchical pores. <i>RSC Advances</i> , <b>2015</b> , 5, 26269-26272	3.7	9
37	Pseudo isobaric peptide termini labelling for relative proteome quantification by SWATH MS acquisition. <i>Analyst</i> , <b>2016</b> , 141, 4912-8	5	9
36	Macro-mesoporous organosilica monoliths with bridged-ethylene and terminal-vinyl: High-density click functionalization for chromatographic separation. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1038, 198-205	6.6	9
35	Dissolving capability difference based sequential extraction: A versatile tool for in-depth membrane proteome analysis. <i>Analytica Chimica Acta</i> , <b>2016</b> , 945, 39-46	6.6	8
34	Ethane-bridged hybrid monoliths with well-defined mesoporosity and great stability for high-performance peptide separation. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1019, 128-134	6.6	7

33	A Multiplex Fragment-Ion-Based Method for Accurate Proteome Quantification. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 3921-3928	7.8	7
32	Cleavable hydrophobic derivatization strategy for enrichment and identification of phosphorylated lysine peptides. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4159-4166	4.4	6
31	Ionic liquid-assisted protein extraction method for plant phosphoproteome analysis. <i>Talanta</i> , <b>2020</b> , 213, 120848	6.2	6
30	A robust and effective intact protein fractionation strategy by GO/PEI/Au/PEG nanocomposites for human plasma proteome analysis. <i>Talanta</i> , <b>2018</b> , 178, 49-56	6.2	6
29	Gold-Coated Nanoelectrospray Emitters Fabricated by Gravity-Assisted Etching Self-Termination and Electroless Deposition. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 11347-11351	7.8	6
28	Site-Specific Quantification of Persulfidome by Combining an Isotope-Coded Affinity Tag with Strong Cation-Exchange-Based Fractionation. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 14860-14864	7.8	6
27	Comprehensive Analysis of Protein N-Terminome by Guanidination of Terminal Amines. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 567-572	7.8	6
26	Glycan Moieties as Bait to Fish Plasma Membrane Proteins. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 5065-71	7.8	6
25	Aptamer functionalized magnetic graphene oxide nanocomposites for highly selective capture of histones. <i>Electrophoresis</i> , <b>2019</b> , 40, 2135-2141	3.6	5
24	Isolation and identification of phosphorylated lysine peptides by retention time difference combining dimethyl labeling strategy. <i>Science China Chemistry</i> , <b>2019</b> , 62, 708-712	7.9	5
23	Decrease of dynamic range of proteins in human plasma by ampholine immobilized polymer microspheres. <i>Analytica Chimica Acta</i> , <b>2014</b> , 826, 43-50	6.6	5
22	RETENTION MODELING AND OPTIMIZATION OF pH VALUE AND SOLVENT COMPOSITION IN HPLC USING BACK-PROPAGATION NEURAL NETWORKS AND UNIFORM DESIGN. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2002</b> , 25, 1033-1047	1.3	5
21	Quantitative proteomics analysis of deer antlerogenic periosteal cells reveals potential bioactive factors in velvet antlers. <i>Journal of Chromatography A</i> , <b>2020</b> , 1609, 460496	4.5	5
20	Preparation of polyacrylamide based monolith with immobilized pH gradient and its application for protein analysis. <i>Science in China Series B: Chemistry</i> , <b>2007</b> , 50, 526-529		3
19	Multi-omics analysis to reveal disorders of cell metabolism and integrin signaling pathways induced by PM. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 424, 127573	12.8	3
18	Quantitative proteomics identifies FOLR1 to drive sorafenib resistance via activating autophagy in hepatocellular carcinoma cells. <i>Carcinogenesis</i> , <b>2021</b> , 42, 753-761	4.6	3
17	A rapid protein sample preparation method based on organic-aqueous microwave irradiation technique. <i>Science China Chemistry</i> , <b>2015</b> , 58, 526-531	7.9	2
16	Smart Cutter: An Efficient Strategy for Increasing the Coverage of Chemical Cross-Linking Analysis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 1097-1105	7.8	2

15	Combination of continuous digestion by peptidase and spectral similarity comparisons for peptide sequencing. <i>Journal of Separation Science</i> , <b>2020</b> , 43, 3665-3673	3.4	2
14	Ampholine immobilized polymer microspheres for increasing coverage of human urinary proteome. <i>Talanta</i> , <b>2020</b> , 215, 120931	6.2	2
13	NIPTL-Novo: Non-isobaric peptide termini labeling assisted peptide de novo sequencing. <i>Journal of Proteomics</i> , <b>2017</b> , 154, 40-48	3.9	1
12	Label-free quantification of differentially expressed proteins in mouse liver cancer cells with high and low metastasis rates by a SWATH acquisition method. <i>Science China Chemistry</i> , <b>2014</b> , 57, 718-722	7.9	1
11	Spatially resolved profiling of protein conformation and interactions by biocompatible chemical cross-linking in living cells		1
10	Improving the Identification Coverage of Protein Interactome by Enhancing the Click Chemistry-based Cross-linking Enrichment Efficiency		1
9	Integrated proteomic sample preparation with combination of on-line high-abundance protein depletion, denaturation, reduction, desalting and digestion to achieve high throughput plasma proteome quantification. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1154, 338343	6.6	1
8	Sequential amidation of peptide C-termini for improving fragmentation efficiency. <i>Journal of Mass Spectrometry</i> , <b>2020</b> , 56, e4529	2.2	1
7	Zn(II)-DPA functionalized graphene oxide two-dimensional nanocomposites for N-phosphoproteins enrichment.. <i>Talanta</i> , <b>2022</b> , 243, 123384	6.2	1
6	Antibody-free enrichment method for proteome-wide analysis of endogenous SUMOylation sites. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1154, 338324	6.6	0
5	Fully integrated protein absolute quantification platform for analysis of multiple tumor markers in human plasma. <i>Talanta</i> , <b>2021</b> , 226, 122102	6.2	0
4	Label-Free Quantitative Proteomics Analysis of the Sorafenib Resistance in HepG2 Cells. <i>Journal of Analysis and Testing</i> , 1	3.2	0
3	Comparative proteomics analysis of cultivating in glucose and methanol.. <i>Synthetic and Systems Biotechnology</i> , <b>2022</b> , 7, 862-868	4.2	0
2	Quantitative proteomics of epigenetic histone modifications in MCF-7 cells under estradiol stimulation. <i>Analytical Methods</i> , <b>2021</b> , 13, 469-476	3.2	
1	Highly selective enrichment of surface proteins from living cells by photo-crosslinking probe enabled in-depth analysis of surfaceome.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1203, 339694	6.6	