Zhen Liang

List of Publications by Year in Descending Order

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	Highly selective enrichment of surface proteins from living cells by photo-crosslinking probe enabled in-depth analysis of surfaceome.. *Analytica Chimica Acta*, **2022**, 1203, 339694	6.6	
67	Zn(II)-DPA functionalized graphene oxide two-dimensional nanocomposites for N-phosphoproteins enrichment.. *Talanta*, **2022**, 243, 123384	6.2	1
66	Comparative proteomics analysis of cultivating in glucose and methanol.. *Synthetic and Systems Biotechnology*, **2022**, 7, 862-868	4.2	0
65	Multi-omics analysis to reveal disorders of cell metabolism and integrin signaling pathways induced by PM. *Journal of Hazardous Materials*, **2021**, 424, 127573	12.8	3
64	Quantitative proteomics identifies FOLR1 to drive sorafenib resistance via activating autophagy in hepatocellular carcinoma cells. *Carcinogenesis*, **2021**, 42, 753-761	4.6	3
63	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. *Analytica Chimica Acta*, **2021**, 1154, 338343	6.6	1
62	Antibody-free enrichment method for proteome-wide analysis of endogenous SUMOylation sites. *Analytica Chimica Acta*, **2021**, 1154, 338324	6.6	0
61	Fully integrated protein absolute quantification platform for analysis of multiple tumor markers in human plasma. *Talanta*, **2021**, 226, 122102	6.2	0
60	Quantitative proteomics of epigenetic histone modifications in MCF-7 cells under estradiol stimulation. *Analytical Methods*, **2021**, 13, 469-476	3.2	
59	Bis(zinc(II)-dipicolylamine)-functionalized sub-2 μm core-shell microspheres for the analysis of N-phosphoproteome. *Nature Communications*, **2020**, 11, 6226	17.4	15
58	Ionic liquid-assisted protein extraction method for plant phosphoproteome analysis. *Talanta*, **2020**, 213, 120848	6.2	6
57	Antibody-Free Hydrogel with the Synergistic Effect of Cell Imprinting and Boronate Affinity: Toward the Selective Capture and Release of Undamaged Circulating Tumor Cells. *Small*, **2020**, 16, e1904199	11	17
56	Smart Cutter: An Efficient Strategy for Increasing the Coverage of Chemical Cross-Linking Analysis. *Analytical Chemistry*, **2020**, 92, 1097-1105	7.8	2
55	Comprehensive Analysis of Protein N-Terminome by Guanidination of Terminal Amines. *Analytical Chemistry*, **2020**, 92, 567-572	7.8	6
54	Molecular Dynamics Simulation-assisted Ionic Liquid Screening for Deep Coverage Proteome Analysis. *Molecular and Cellular Proteomics*, **2020**, 19, 1724-1737	7.6	11
53	Combination of continuous digestion by peptidase and spectral similarity comparisons for peptide sequencing. *Journal of Separation Science*, **2020**, 43, 3665-3673	3.4	2
52	Quantitative proteomics analysis of deer antlerogenic periosteal cells reveals potential bioactive factors in velvet antlers. *Journal of Chromatography A*, **2020**, 1609, 460496	4.5	5

51	Ampholine immobilized polymer microspheres for increasing coverage of human urinary proteome. *Talanta*, **2020**, 215, 120931	6.2	2
50	Sequential amidation of peptide C-termini for improving fragmentation efficiency. *Journal of Mass Spectrometry*, **2020**, 56, e4529	2.2	1
49	Cleavable hydrophobic derivatization strategy for enrichment and identification of phosphorylated lysine peptides. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 4159-4166	4.4	6
48	Aptamer functionalized magnetic graphene oxide nanocomposites for highly selective capture of histones. *Electrophoresis*, **2019**, 40, 2135-2141	3.6	5
47	High Anti-Interfering Profiling of Endogenous Glycopeptides for Human Plasma by the Dual-Hydrophilic Metal-Organic Framework. *Analytical Chemistry*, **2019**, 91, 4852-4859	7.8	28
46	Isolation and identification of phosphorylated lysine peptides by retention time difference combining dimethyl labeling strategy. *Science China Chemistry*, **2019**, 62, 708-712	7.9	5
45	Epitope Imprinting Technology: Progress, Applications, and Perspectives toward Artificial Antibodies. *Advanced Materials*, **2019**, 31, e1902048	24	67
44	Advances in exosome isolation methods and their applications in proteomic analysis of biological samples. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 5351-5361	4.4	27
43	Site-Specific Quantification of Persulfidome by Combining an Isotope-Coded Affinity Tag with Strong Cation-Exchange-Based Fractionation. *Analytical Chemistry*, **2019**, 91, 14860-14864	7.8	6
42	A Multiplex Fragment-Ion-Based Method for Accurate Proteome Quantification. *Analytical Chemistry*, **2019**, 91, 3921-3928	7.8	7
41	Ethane-bridged hybrid monoliths with well-defined mesoporosity and great stability for high-performance peptide separation. *Analytica Chimica Acta*, **2018**, 1019, 128-134	6.6	7
40	3-Carboxybenzoboroxole Functionalized Polyethylenimine Modified Magnetic Graphene Oxide Nanocomposites for Human Plasma Glycoproteins Enrichment under Physiological Conditions. *Analytical Chemistry*, **2018**, 90, 2671-2677	7.8	43
39	"Thiol-ene" grafting of silica particles with three-dimensional branched copolymer for HILIC/cation-exchange chromatographic separation and N-glycopeptide enrichment. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 1019-1027	4.4	18
38	A robust and effective intact protein fractionation strategy by GO/PEI/Au/PEG nanocomposites for human plasma proteome analysis. *Talanta*, **2018**, 178, 49-56	6.2	6
37	Macro-mesoporous organosilica monoliths with bridged-ethylene and terminal-vinyl: High-density click functionalization for chromatographic separation. *Analytica Chimica Acta*, **2018**, 1038, 198-205	6.6	9
36	In-Depth Proteome Coverage by Improving Efficiency for Membrane Proteome Analysis. *Analytical Chemistry*, **2017**, 89, 5179-5185	7.8	17
35	NIPTL-Novo: Non-isobaric peptide termini labeling assisted peptide de novo sequencing. *Journal of Proteomics*, **2017**, 154, 40-48	3.9	1
34	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. *Talanta*, **2016**, 146, 225-30	6.2	35

33	Hydrophobic Tagging-Assisted N-Termini Enrichment for In-Depth N-Terminome Analysis. *Analytical Chemistry*, **2016**, 88, 8390-5	7.8	32
32	Hydrogen-bond interaction assisted branched copolymer HILIC material for separation and N-glycopeptides enrichment. *Talanta*, **2016**, 158, 361-367	6.2	36
31	Gold-Coated Nanoelectrospray Emitters Fabricated by Gravity-Assisted Etching Self-Termination and Electroless Deposition. *Analytical Chemistry*, **2016**, 88, 11347-11351	7.8	6
30	Pseudo isobaric peptide termini labelling for relative proteome quantification by SWATH MS acquisition. *Analyst, The*, **2016**, 141, 4912-8	5	9
29	Clickable Periodic Mesoporous Organosilica Monolith for Highly Efficient Capillary Chromatographic Separation. *Analytical Chemistry*, **2016**, 88, 1521-5	7.8	38
28	Hydrophilic GO/Fe3O4/Au/PEG nanocomposites for highly selective enrichment of glycopeptides. *Nanoscale*, **2016**, 8, 4894-7	7.7	68
27	4-Mercaptophenylboronic acid functionalized graphene oxide composites: Preparation, characterization and selective enrichment of glycopeptides. *Analytica Chimica Acta*, **2016**, 912, 41-8	6.6	28
26	imFASP: An integrated approach combining in-situ filter-aided sample pretreatment with microwave-assisted protein digestion for fast and efficient proteome sample preparation. *Analytica Chimica Acta*, **2016**, 912, 58-64	6.6	11
25	Aptamer functionalized hydrophilic polymer monolith with gold nanoparticles modification for the sensitive detection of human α-thrombin. *Talanta*, **2016**, 154, 555-9	6.2	36
24	Aptamer-conjugated gold functionalized graphene oxide nanocomposites for human α-thrombin specific recognition. *Journal of Chromatography A*, **2016**, 1427, 16-21	4.5	17
23	Preparation of surface imprinted core-shell particles via a metal chelating strategy: specific recognition of porcine serum albumin. *Mikrochimica Acta*, **2016**, 183, 345-352	5.8	17
22	In-Depth Proteomic Quantification of Cell Secretome in Serum-Containing Conditioned Medium. *Analytical Chemistry*, **2016**, 88, 4971-8	7.8	27
21	Glycan Moieties as Bait to Fish Plasma Membrane Proteins. *Analytical Chemistry*, **2016**, 88, 5065-71	7.8	6
20	Dissolving capability difference based sequential extraction: A versatile tool for in-depth membrane proteome analysis. *Analytica Chimica Acta*, **2016**, 945, 39-46	6.6	8
19	Teicoplanin bonded sub-2 μm superficially porous particles for enantioseparation of native amino acids. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 114, 247-53	3.5	18
18	Dandelion-like core–shell silica microspheres with hierarchical pores. *RSC Advances*, **2015**, 5, 26269-26272	3.7	9
17	Facile synthesis of gallium ions immobilized and adenosine functionalized magnetic nanoparticles with high selectivity for multi-phosphopeptides. *Analytica Chimica Acta*, **2015**, 900, 46-55	6.6	25
16	Gold nanoparticles immobilized hydrophilic monoliths with variable functional modification for highly selective enrichment and on-line deglycosylation of glycopeptides. *Analytica Chimica Acta*, **2015**, 900, 83-9	6.6	40

15	A rapid protein sample preparation method based on organic-aqueous microwave irradiation technique. *Science China Chemistry*, **2015**, 58, 526-531	7.9	2
14	Preparation of protein imprinted materials by hierarchical imprinting techniques and application in selective depletion of albumin from human serum. *Scientific Reports*, **2014**, 4, 5487	4.9	49
13	Dendrimer-grafted graphene oxide nanosheets as novel support for trypsin immobilization to achieve fast on-plate digestion of proteins. *Talanta*, **2014**, 122, 278-84	6.2	37
12	1.9 μm superficially porous packing material with radially oriented pores and tailored pore size for ultra-fast separation of small molecules and biomolecules. *Journal of Chromatography A*, **2014**, 1356, 148-56	4.5	29
11	Label-free quantification of differentially expressed proteins in mouse liver cancer cells with high and low metastasis rates by a SWATH acquisition method. *Science China Chemistry*, **2014**, 57, 718-722	7.9	1
10	Decrease of dynamic range of proteins in human plasma by ampholine immobilized polymer microspheres. *Analytica Chimica Acta*, **2014**, 826, 43-50	6.6	5
9	Transferrin recognition based on a protein imprinted material prepared by hierarchical imprinting technique. *Mikrochimica Acta*, **2013**, 180, 1379-1386	5.8	11
8	Preparation of polyacrylamide based monolith with immobilized pH gradient and its application for protein analysis. *Science in China Series B: Chemistry*, **2007**, 50, 526-529		3
7	On-line concentration of proteins in pressurized capillary electrochromatography coupled with electrospray ionization-mass spectrometry. *Electrophoresis*, **2005**, 26, 1398-405	3.6	20
6	Pressurized electrochromatography coupled with electrospray ionization mass spectrometry for analysis of peptides and proteins. *Analytical Chemistry*, **2004**, 76, 6935-40	7.8	30
5	Effects of experimental parameters on the signal intensity of capillary electrophoresis electrospray ionization mass spectrometry in protein analysis. *Chromatographia*, **2003**, 57, 617-621	2.1	20
4	RETENTION MODELING AND OPTIMIZATION OF pH VALUE AND SOLVENT COMPOSITION IN HPLC USING BACK-PROPAGATION NEURAL NETWORKS AND UNIFORM DESIGN. *Journal of Liquid Chromatography and Related Technologies*, **2002**, 25, 1033-1047	1.3	5
3	Spatially resolved profiling of protein conformation and interactions by biocompatible chemical cross-linking in living cells		1
2	Improving the Identification Coverage of Protein Interactome by Enhancing the Click Chemistry-based Cross-linking Enrichment Efficiency		1
1	Label-Free Quantitative Proteomics Analysis of the Sorafenib Resistance in HepG2 Cells. *Journal of Analysis and Testing*,1	3.2	0