

Lingyi Zhang

List of Publications by Year in descending order

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57
papers

1,526
citations

361413

20
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330143

37
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62
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docs citations

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times ranked

1510
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#	ARTICLE	IF	CITATIONS
1	Facile Preparation of Core-Shell Magnetic Metal-Organic Framework Nanoparticles for the Selective Capture of Phosphopeptides. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16338-16347.	8.0	179
2	Hybrid organic-inorganic monolithic stationary phase for acidic compounds separation by capillary electrochromatography. <i>Journal of Chromatography A</i> , 2004, 1046, 255-261.	3.7	111
3	Facile synthesis of zwitterionic polymer-coated core-shell magnetic nanoparticles for highly specific capture of N-linked glycopeptides. <i>Nanoscale</i> , 2015, 7, 3100-3108.	5.6	106
4	Layer-by-layer assembly of multilayer polysaccharide coated magnetic nanoparticles for the selective enrichment of glycopeptides. <i>Chemical Communications</i> , 2013, 49, 9284.	4.1	99
5	On-Line Hyphenation of Capillary Isoelectric Focusing and Capillary Gel Electrophoresis by a Dialysis Interface. <i>Analytical Chemistry</i> , 2003, 75, 215-218.	6.5	75
6	Facile Preparation of Core-Shell Magnetic Metal-Organic Framework Nanospheres for the Selective Enrichment of Endogenous Peptides. <i>Chemistry - A European Journal</i> , 2014, 20, 7389-7395.	3.3	67
7	Ti ⁴⁺ -immobilized multilayer polysaccharide coated magnetic nanoparticles for highly selective enrichment of phosphopeptides. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4473-4480.	5.8	62
8	Multiporous Terbium Phosphonate Coordination Polymer Microspheres as Fluorescent Probes for Trace Anthrax Biomarker Detection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15998-16005.	8.0	57
9	Facile Synthesis of Guanidyl-Functionalized Magnetic Polymer Microspheres for Tunable and Specific Capture of Global Phosphopeptides or Only Multiphosphopeptides. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22743-22750.	8.0	56
10	Two-dimensional capillary electrophoresis involving capillary isoelectric focusing and capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2003, 1018, 97-103.	3.7	45
11	Synthesis of magnetic zwitterionic-hydrophilic material for the selective enrichment of N-linked glycopeptides. <i>Journal of Chromatography A</i> , 2017, 1482, 23-31.	3.7	38
12	Synthesis and applications of graphite carbon sphere with uniformly distributed magnetic Fe ₃ O ₄ nanoparticles (MGCSs) and MGCS@Ag, MGCS@TiO ₂ . <i>Journal of Materials Chemistry</i> , 2010, 20, 4802.	6.7	35
13	Facile preparation of molybdenum (VI) oxide - Modified graphene oxide nanocomposite for specific enrichment of phosphopeptides. <i>Journal of Chromatography A</i> , 2017, 1521, 36-43.	3.7	33
14	In situ growth of COF-rLZU1 on the surface of silica sphere as stationary phase for high performance liquid chromatography. <i>Talanta</i> , 2021, 221, 121612.	5.5	32
15	Dual-functionalized magnetic bimetallic metal-organic framework composite for highly specific enrichments of phosphopeptides and glycopeptides. <i>Analytica Chimica Acta</i> , 2021, 1158, 338412.	5.4	32
16	Fabrication of SiO ₂ @COF5 microspheres and their application in high performance liquid chromatography. <i>Analytical Methods</i> , 2018, 10, 1968-1976.	2.7	24
17	Preparation and evaluation of maltose modified polymer-silica composite based on cross-linked poly glycidyl methacrylate as high performance liquid chromatography stationary phase. <i>Analytica Chimica Acta</i> , 2018, 1036, 179-186.	5.4	24
18	Synthesis of a molecularly imprinted polymer using MOF-74(Ni) as matrix for selective recognition of lysozyme. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7227-7236.	3.7	24

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19	Preparation and evaluation of 3 m open tubular capillary columns with a zwitterionic polymeric porous layer for liquid chromatography. <i>Journal of Separation Science</i> , 2016, 39, 3736-3744.	2.5	22
20	Ti ⁴⁺ -immobilized chitosan-coated magnetic graphene oxide for the highly selective enrichment of phosphopeptides. <i>Analytical Methods</i> , 2017, 9, 443-449.	2.7	20
21	Magnetic mesoporous carbon composites incorporating hydrophilic metallic nanoparticles for enrichment of phosphopeptides prior to their determination by MALDI-TOF mass spectrometry. <i>Mikrochimica Acta</i> , 2017, 184, 547-555.	5.0	20
22	Layer-by-layer assembled magnetic bimetallic metal-organic framework composite for global phosphopeptide enrichment. <i>Journal of Chromatography A</i> , 2019, 1601, 45-52.	3.7	20
23	Hybrid organic-inorganic monolithic enzymatic reactor with SBA-15 nanoparticles incorporated. <i>Talanta</i> , 2014, 119, 485-491.	5.5	19
24	Preparation and evaluation of open-tubular capillary columns modified with metal-organic framework incorporated polymeric porous layer for liquid chromatography. <i>Talanta</i> , 2018, 184, 29-34.	5.5	19
25	Phytochemical screening and chemical variability in volatile oils of aerial parts of <i>Morinda morindoides</i> . <i>Natural Product Research</i> , 2016, 30, 2249-2252.	1.8	18
26	Preparation and application of peptide molecularly imprinted material based on mesoporous metal-organic framework. <i>Talanta</i> , 2021, 224, 121765.	5.5	18
27	Au-cysteine modified macroporous adsorption resin: preparation and highly selective enrichment and identification of N-linked glycopeptides from the complex biological sample. <i>RSC Advances</i> , 2016, 6, 113058-113065.	3.6	17
28	Selective extraction of endogenous peptides from human serum with magnetic mesoporous carbon composites. <i>Talanta</i> , 2016, 161, 647-654.	5.5	16
29	Recyclable trypsin immobilized magnetic nanoparticles based on hydrophilic polyethylenimine modification and their proteolytic characteristics. <i>Analytical Methods</i> , 2018, 10, 459-466.	2.7	16
30	Investigation of bi-enzymatic reactor based on hybrid monolith with nanoparticles embedded and its proteolytic characteristics. <i>Journal of Chromatography A</i> , 2015, 1388, 158-166.	3.7	15
31	Magnetic nanoparticles coated with dithizone-modified chitosan for use in solid-phase extraction of copper. <i>Analytical Methods</i> , 2015, 7, 2050-2054.	2.7	15
32	Carbon dots-decorated hydroxyapatite nanowires-lanthanide metal-organic framework composites as fluorescent sensors for the detection of dopamine. <i>Analyst</i> , 2022, 147, 947-955.	3.5	14
33	Silver nanoparticle-incorporated ultralong hydroxyapatite nanowires with internal reference as SERS substrate for trace environmental pollutant detection. <i>New Journal of Chemistry</i> , 2018, 42, 17950-17957.	2.8	13
34	Novel hybrid organic-inorganic monolithic column containing mesoporous nanoparticles for capillary electrochromatography. <i>Talanta</i> , 2012, 98, 277-281.	5.5	12
35	Preparation and application of immobilized enzymatic reactors for consecutive digestion with two enzymes. <i>Journal of Chromatography A</i> , 2016, 1477, 22-29.	3.7	12
36	Design and application of hydrophilic bimetallic metal-organic framework magnetic nanoparticles for rapid capture of exosomes. <i>Analytica Chimica Acta</i> , 2021, 1186, 339099.	5.4	12

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37	Soft-template synthesis of hydrophilic metallic zirconia nanoparticle-incorporated ordered mesoporous carbon composite and its application in phosphopeptide enrichment. <i>RSC Advances</i> , 2016, 6, 30014-30020.	3.6	11
38	Preparation and evaluation of open-tubular capillary column combining a metal-organic framework and a brush-shaped polymer for liquid chromatography. <i>Journal of Separation Science</i> , 2018, 41, 2347-2353.	2.5	11
39	Preparation of mesoporous carbon material derived from Metal-Organic Frameworks and its application in selective capture of endogenous peptides from human serum. <i>Talanta</i> , 2019, 200, 443-449.	5.5	11
40	A Long-Wavelength Fluorescent Probe for Saccharides Based on Boronic Acid Receptor. <i>Chinese Journal of Chemistry</i> , 2013, 31, 1095-1101.	4.9	10
41	Carrier ampholyte-free flow isoelectric focusing for separation of protein. <i>Electrophoresis</i> , 2019, 40, 2610-2617.	2.4	10
42	Difference in Essential Oil Composition of Rhizome of <i>Polygonum bistorta</i> L. from Different Asian Regions and Evaluation of its Antibacterial Activity. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2012, 15, 964-971.	1.9	8
43	Construction of discontinuous capillary isoelectric focusing system and its application in pre-fractionation of exosomal proteins. <i>Talanta</i> , 2020, 208, 119876.	5.5	8
44	Selective enrichment of N-terminal proline peptides via hydrazide chemistry for proteomics analysis. <i>Analytica Chimica Acta</i> , 2021, 1142, 48-55.	5.4	8
45	EFFECT OF MOBILE PHASE COMPOSITION AND pH ON HPLC SEPARATION OF RHIZOME OF <i>POLYGONUM BISTORTA</i> . <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 35, 977-987.	1.0	7
46	Synthesis and chromatographic evaluation of poly(pentabromostyrene)-silica composite: A versatile stationary phase for separating both polar and non-polar aromatic compounds. <i>Microchemical Journal</i> , 2020, 156, 104838.	4.5	7
47	Preparation of ordered mesoporous carbon material based on poly-dopamine and its application in selective enrichment of N-linked glycans. <i>Analytical Methods</i> , 2018, 10, 775-782.	2.7	5
48	Theoretical and experimental investigations on migration behavior of weak monoprotic acids in continuous two-dimensional ion exchange/reversed phase CEC. <i>Electrophoresis</i> , 2012, 33, 3028-3035.	2.4	4
49	Development of a field sampling method based on magnetic nanoparticles for the enrichment of pesticides in aqueous samples. <i>Analyst, The</i> , 2014, 139, 6279-6283.	3.5	4
50	RP-HPLC SEPARATION AND STATISTICAL DATA PROCESSING OF DIFFERENT BATCHES OF AERIAL PARTS OF JOLOGBO. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014, 37, 48-60.	1.0	4
51	Preparation of dithizone grafted poly(allyl chloride) core-shell magnetic composite microspheres for solid-phase extraction of ultra-trace levels of Pb(II), Cu(II) and Cr(III) ions. <i>RSC Advances</i> , 2015, 5, 58873-58879.	3.6	3
52	Preparation and evaluation of ultra-long open-tubular capillary columns modified with zeolitic imidazolate framework-8 incorporated polymeric porous layer for liquid chromatography. <i>Journal of Chromatography A</i> , 2022, 1668, 462880.	3.7	3
53	Development of a Parallel-Tandem Column Interface in a Two-Dimensional Liquid Chromatography System. <i>Chromatographia</i> , 2011, 73, 871-877.	1.3	2
54	A metal oxide affinity probe derived from MIL-125 for selective enrichment of endogenous phosphopeptides. <i>Analyst, The</i> , 2021, 146, 2255-2263.	3.5	2

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55	Construction of a fractional condensation device and its application in the analysis of volatile compounds from tobacco. <i>Analytical Methods</i> , 2015, 7, 621-628.	2.7	1
56	Sub-micrometer mesoporous SBA-15 silica rods as stationary phase for capillary electrochromatography separation. <i>Chinese Journal of Chromatography (Se Pu)</i> , 2013, 31, 335.	0.8	1
57	The separation characteristics and performance evaluation of the silica-based poly(pentabromostyrene) stationary phase in capillary electrochromatography. <i>Analytical Methods</i> , 2021, 13, 5764-5771.	2.7	0