

# Chunhui Deng

## List of Publications by Year in descending order

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299  
papers

15,893  
citations

15504

65  
h-index

29157

104  
g-index

303  
all docs

303  
docs citations

303  
times ranked

12633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic High-Magnetization Microspheres with an Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Core and Perpendicularly Aligned Mesoporous SiO <sub>2</sub> Shell for Removal of Microcystins. <i>Journal of the American Chemical Society</i> , 2008, 130, 28-29.	13.7	1,588
2	Synthesis of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @PMMA Core-Shell Magnetic Microspheres for Highly Efficient Enrichment of Peptides and Proteins for MALDI-TOF MS Analysis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 607-611.	13.8	341
3	Synthesis of Core/Shell Colloidal Magnetic Zeolite Microspheres for the Immobilization of Trypsin. <i>Advanced Materials</i> , 2009, 21, 1377-1382.	21.0	281
4	Investigation of volatile biomarkers in lung cancer blood using solid-phase microextraction and capillary gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 808, 269-277.	2.3	175
5	Determination of acetone in human breath by gas chromatography-mass spectrometry and solid-phase microextraction with on-fiber derivatization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 810, 269-275.	2.3	173
6	The design and synthesis of a hydrophilic core-shell structured magnetic metal-organic framework as a novel immobilized metal ion affinity platform for phosphoproteome research. <i>Chemical Communications</i> , 2014, 50, 6228.	4.1	161
7	Preparation of Fe <sub>3</sub> O <sub>4</sub> @ZrO <sub>2</sub> Core-Shell Microspheres as Affinity Probes for Selective Enrichment and Direct Determination of Phosphopeptides Using Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. <i>Journal of Proteome Research</i> , 2007, 6, 4498-4510.	3.7	158
8	Facile Synthesis of Copper(II) Immobilized on Magnetic Mesoporous Silica Microspheres for Selective Enrichment of Peptides for Mass Spectrometry Analysis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7557-7561.	13.8	157
9	Preparation of polypyrrole-coated magnetic particles for micro solid-phase extraction of phthalates in water by gas chromatography-mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2011, 1218, 1585-1591.	3.7	155
10	Metabolomic profiling of human urine in hepatocellular carcinoma patients using gas chromatography/mass spectrometry. <i>Analytica Chimica Acta</i> , 2009, 648, 98-104.	5.4	150
11	Hydrophilic Polydopamine-Coated Graphene for Metal Ion Immobilization as a Novel Immobilized Metal Ion Affinity Chromatography Platform for Phosphoproteome Analysis. <i>Analytical Chemistry</i> , 2013, 85, 8483-8487.	6.5	148
12	Functionalized magnetic nanoparticles for sample preparation in proteomics and peptidomics analysis. <i>Chemical Society Reviews</i> , 2013, 42, 8517.	38.1	146
13	Facile Synthesis of Copper(II) Immobilized on Magnetic Mesoporous Silica Microspheres for Selective Enrichment of Peptides for Mass Spectrometry Analysis. <i>Angewandte Chemie</i> , 2010, 122, 7719-7723.	2.0	140
14	Novel Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> Core-Shell Microspheres for Selective Enrichment of Phosphopeptides in Phosphoproteome Analysis. <i>Journal of Proteome Research</i> , 2008, 7, 2526-2538.	3.7	136
15	Facile synthesis of Ti <sup>4+</sup> -immobilized Fe <sub>3</sub> O <sub>4</sub> @polydopamine core-shell microspheres for highly selective enrichment of phosphopeptides. <i>Chemical Communications</i> , 2013, 49, 5055.	4.1	134
16	Immobilization of Trypsin on Superparamagnetic Nanoparticles for Rapid and Effective Proteolysis. <i>Journal of Proteome Research</i> , 2007, 6, 3849-3855.	3.7	133
17	Fe <sub>3</sub> O <sub>4</sub> @Al <sub>2</sub> O <sub>3</sub> magnetic core-shell microspheres for rapid and highly specific capture of phosphopeptides with mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2007, 1172, 57-71.	3.7	133
18	Preparation of Fe <sub>3</sub> O <sub>4</sub> @C@PANI magnetic microspheres for the extraction and analysis of phenolic compounds in water samples by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 2841-2847.	3.7	131

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19	Facile synthesis of aminophenylboronic acid-functionalized magnetic nanoparticles for selective separation of glycopeptides and glycoproteins. <i>Chemical Communications</i> , 2008, , 5577.	4.1	130
20	Novel approach for the synthesis of Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> core-shell microspheres and their application to the highly specific capture of phosphopeptides for MALDI-TOF MS analysis. <i>Chemical Communications</i> , 2008, , 564-566.	4.1	129
21	Metabolomic investigation of gastric cancer tissue using gas chromatography/mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1385-1395.	3.7	122
22	Hydrophilic Mesoporous Silica Materials for Highly Specific Enrichment of N-Linked Glycopeptide. <i>Analytical Chemistry</i> , 2017, 89, 1764-1771.	6.5	122
23	Development of microwave-assisted extraction followed by headspace single-drop microextraction for fast determination of paeonol in traditional Chinese medicines. <i>Journal of Chromatography A</i> , 2006, 1103, 15-21.	3.7	114
24	Investigation of volatile biomarkers in liver cancer blood using solid-phase microextraction and gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1181-1186.	1.5	112
25	Fast and Efficient Proteolysis by Microwave-Assisted Protein Digestion Using Trypsin-Immobilized Magnetic Silica Microspheres. <i>Analytical Chemistry</i> , 2008, 80, 3655-3665.	6.5	112
26	Enrichment and detection of small molecules using magnetic graphene as an adsorbent and a novel matrix of MALDI-TOF-MS. <i>Chemical Communications</i> , 2012, 48, 2418.	4.1	112
27	On-plate selective enrichment of glycopeptides using boronic acid-modified gold nanoparticles for direct MALDI-TOF MS analysis. <i>Proteomics</i> , 2009, 9, 5046-5055.	2.2	109
28	Rational synthesis of novel recyclable Fe <sub>3</sub> O <sub>4</sub> @MOF nanocomposites for enzymatic digestion. <i>Chemical Communications</i> , 2015, 51, 8116-8119.	4.1	107
29	Preparation, characterization and application of magnetic silica nanoparticle functionalized multi-walled carbon nanotubes. <i>Chemical Communications</i> , 2005, , 5548.	4.1	104
30	GC/MS-based metabolomic approach to validate the role of urinary sarcosine and target biomarkers for human prostate cancer by microwave-assisted derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 635-646.	3.7	99
31	Facile Synthesis of Mercaptophenylboronic Acid-Functionalized Core-shell Structure Fe <sub>3</sub> O <sub>4</sub> @C@Au Magnetic Microspheres for Selective Enrichment of Glycopeptides and Glycoproteins. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9221-9226.	3.1	98
32	On-demand CO release for amplification of chemotherapy by MOF functionalized magnetic carbon nanoparticles with NIR irradiation. <i>Biomaterials</i> , 2019, 195, 51-62.	11.4	98
33	Synthesis of Highly Water-Dispersible Polydopamine-Modified Multiwalled Carbon Nanotubes for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 7770-7776.	8.0	97
34	Preparation of magnetic graphene @polydopamine @Zr-MOF material for the extraction and analysis of bisphenols in water samples. <i>Talanta</i> , 2015, 144, 1329-1335.	5.5	96
35	Gas chromatography-mass spectrometry method for determination of phenylalanine and tyrosine in neonatal blood spots. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 780, 407-413.	2.3	95
36	Gas chromatography-mass spectrometric analysis of hexanal and heptanal in human blood by headspace single-drop microextraction with droplet derivatization. <i>Analytical Biochemistry</i> , 2005, 342, 318-326.	2.4	94

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37	Efficient on-chip proteolysis system based on functionalized magnetic silica microspheres. <i>Proteomics</i> , 2007, 7, 2330-2339.	2.2	91
38	Highly selective and rapid enrichment of phosphorylated peptides using gallium oxide-coated magnetic microspheres for MALDI-TOF-MS and nano-LC-ESI-MS/MS/MS analysis. <i>Proteomics</i> , 2008, 8, 238-249.	2.2	91
39	A serum metabolomic investigation on hepatocellular carcinoma patients by chemical derivatization followed by gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3061-3068.	1.5	91
40	Development of headspace solid-phase microextraction with on-fiber derivatization for determination of hexanal and heptanal in human blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 813, 47-52.	2.3	87
41	Magnetically Responsive Fe <sub>3</sub> O <sub>4</sub> @C@SnO <sub>2</sub> Core-Shell Microspheres: Synthesis, Characterization and Application in Phosphoproteomics. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15854-15861.	3.1	87
42	Metabolomic study for diagnostic model of oesophageal cancer using gas chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3111-3117.	2.3	86
43	Fast determination of curcumin, curdione and germacrone in three species of <i>Curcuma</i> rhizomes by microwave-assisted extraction followed by headspace solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1117, 115-120.	3.7	85
44	Rapid determination of essential oil in <i>Acorus tatarinowii</i> Schott. by pressurized hot water extraction followed by solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1059, 149-155.	3.7	84
45	Determination of essential oil in a traditional Chinese medicine, <i>Fructus amomi</i> by pressurized hot water extraction followed by liquid-phase microextraction and gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2005, 536, 237-244.	5.4	83
46	Field analysis of benzene, toluene, ethylbenzene and xylene in water by portable gas chromatography-microflame ionization detector combined with headspace solid-phase microextraction. <i>Talanta</i> , 2006, 69, 894-899.	5.5	81
47	Recent developments in sample preparation techniques for chromatography analysis of traditional Chinese medicines. <i>Journal of Chromatography A</i> , 2007, 1153, 90-96.	3.7	81
48	Development of C18-functionalized magnetic silica nanoparticles as sample preparation technique for the determination of ergosterol in cigarettes by microwave-assisted derivatization and gas chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1198-1199, 27-33.	3.7	79
49	Designed synthesis of MOF-derived magnetic nanoporous carbon materials for selective enrichment of glycans for glycomics analysis. <i>Nanoscale</i> , 2015, 7, 6487-6491.	5.6	78
50	Cerium Ion-Chelated Magnetic Silica Microspheres for Enrichment and Direct Determination of Phosphopeptides by Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. <i>Journal of Proteome Research</i> , 2008, 7, 1767-1777.	3.7	77
51	Synthesis of Polydopamine-Coated Magnetic Graphene for Cu <sup>2+</sup> Immobilization and Application to the Enrichment of Low-Concentration Peptides for Mass Spectrometry Analysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 13104-13112.	8.0	77
52	Size-Exclusive Magnetic Graphene/Mesoporous Silica Composites with Titanium(IV)-Immobilized Pore Walls for Selective Enrichment of Endogenous Phosphorylated Peptides. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11799-11804.	8.0	77
53	Rapid determination of essential oil compounds in <i>Artemisia Selengensis</i> Turcz by gas chromatography-mass spectrometry with microwave distillation and simultaneous solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2006, 556, 289-294.	5.4	76
54	Microchip Reactor Packed with Metal-Ion Chelated Magnetic Silica Microspheres for Highly Efficient Proteolysis. <i>Journal of Proteome Research</i> , 2007, 6, 2367-2375.	3.7	76

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55	Enrichment of peptides in serum by C8-functionalized magnetic nanoparticles for direct matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2008, 1185, 93-101.	3.7	74
56	Recent development of multi-dimensional chromatography strategies in proteome research. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 866, 123-132.	2.3	73
57	A Facile Synthesis Approach to C <sub>8</sub> -Functionalized Magnetic Carbonaceous Polysaccharide Microspheres for the Highly Efficient and Rapid Enrichment of Peptides and Direct MALDI-TOF MS Analysis. <i>Advanced Materials</i> , 2009, 21, 2200-2205.	21.0	73
58	Synthesis of Fe <sub>3</sub> O <sub>4</sub> /Graphene/TiO <sub>2</sub> Composites for the Highly Selective Enrichment of Phosphopeptides from Biological Samples. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 7330-7334.	8.0	72
59	Simultaneous Analysis of Organophosphorus Pesticides in Water by Magnetic Solid-Phase Extraction Coupled with GC-MS. <i>Chromatographia</i> , 2013, 76, 535-540.	1.3	72
60	Facile synthesis of TiO <sub>2</sub> /graphene composites for selective enrichment of phosphopeptides. <i>Nanoscale</i> , 2012, 4, 1577.	5.6	70
61	Advanced nanomaterials as sample technique for bio-analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116168.	11.4	70
62	On-chip enzymatic microreactor using trypsin-immobilized superparamagnetic nanoparticles for highly efficient proteolysis. <i>Journal of Chromatography A</i> , 2007, 1176, 169-177.	3.7	68
63	Novel Microwave-Assisted Digestion by Trypsin-Immobilized Magnetic Nanoparticles for Proteomic Analysis. <i>Journal of Proteome Research</i> , 2008, 7, 1297-1307.	3.7	68
64	Facile synthesis of zirconium phosphonate-functionalized magnetic mesoporous silica microspheres designed for highly selective enrichment of phosphopeptides. <i>Nanoscale</i> , 2011, 3, 1225.	5.6	68
65	Graphene and graphene oxide: two ideal choices for the enrichment and ionization of long-chain fatty acids free from matrix-assisted laser desorption/ionization matrix interference. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3223-3234.	1.5	68
66	A simple, rapid and sensitive method for determination of aldehydes in human blood by gas chromatography/mass spectrometry and solid-phase microextraction with on-fiber derivatization. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1715-1720.	1.5	65
67	Gas chromatography-mass spectrometry following microwave distillation and headspace solid-phase microextraction for fast analysis of essential oil in dry traditional Chinese medicine. <i>Journal of Chromatography A</i> , 2006, 1133, 29-34.	3.7	65
68	Concanavalin A-immobilized magnetic nanoparticles for selective enrichment of glycoproteins and application to glycoproteomics in hepatocellular carcinoma cell line. <i>Proteomics</i> , 2010, 10, 2000-2014.	2.2	65
69	Preparation of magnetic core mesoporous shell microspheres with C18-modified interior pore-walls for fast extraction and analysis of phthalates in water samples. <i>Journal of Chromatography A</i> , 2011, 1218, 6232-6239.	3.7	65
70	Determination of acetone, hexanal and heptanal in blood samples by derivatization with pentafluorobenzyl hydroxylamine followed by headspace single-drop microextraction and gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2005, 540, 317-323.	5.4	64
71	Facile synthesis of magnetic graphene and carbon nanotube composites as a novel matrix and adsorbent for enrichment and detection of small molecules by MALDI-TOF MS. <i>Journal of Materials Chemistry</i> , 2012, 22, 20778.	6.7	64
72	Nanomaterials in Proteomics. <i>Advanced Functional Materials</i> , 2019, 29, 1900253.	14.9	64

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73	Development of core-shell structure Fe <sub>3</sub> O <sub>4</sub> @Ta <sub>2</sub> O <sub>5</sub> microspheres for selective enrichment of phosphopeptides for mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2009, 1216, 5533-5539.	3.7	63
74	Quantitative determination of chlorogenic acid in Honeysuckle using microwave-assisted extraction followed by nano-LC-ESI mass spectrometry. <i>Talanta</i> , 2009, 77, 1299-1303.	5.5	62
75	Advances in hydrophilic nanomaterials for glycoproteomics. <i>Chemical Communications</i> , 2019, 55, 10359-10375.	4.1	62
76	Preparation of C <sub>60</sub> -functionalized magnetic silica microspheres for the enrichment of low-concentration peptides and proteins for MALDI-TOF MS analysis. <i>Proteomics</i> , 2009, 9, 380-387.	2.2	61
77	Functionalized magnetic nanomaterials as solid-phase extraction adsorbents for organic pollutants in environmental analysis. <i>Analytical Methods</i> , 2014, 6, 7130.	2.7	60
78	Highly Selective Enrichment of N-Linked Glycan by Carbon-Functionalized Ordered Graphene/Mesoporous Silica Composites. <i>Analytical Chemistry</i> , 2014, 86, 2246-2250.	6.5	60
79	Facile synthesis of Fe <sub>3</sub> O <sub>4</sub> @PDA core-shell microspheres functionalized with various metal ions: A systematic comparison of commonly-used metal ions for IMAC enrichment. <i>Talanta</i> , 2018, 178, 600-607.	5.5	60
80	Construction of Magnetic Covalent Organic Frameworks with Inherent Hydrophilicity for Efficiently Enriching Endogenous Glycopeptides in Human Saliva. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 9814-9823.	8.0	60
81	One-step synthesis of carboxyl-functionalized metal-organic framework with binary ligands for highly selective enrichment of N-linked glycopeptides. <i>Talanta</i> , 2017, 175, 477-482.	5.5	60
82	Facile synthesis of C <sub>80</sub> -functionalized magnetic silica microspheres for enrichment of low-concentration peptides for direct MALDI-TOF MS analysis. <i>Proteomics</i> , 2008, 8, 2778-2784.	2.2	59
83	Core-shell structured magnetic metal-organic framework composites for highly selective detection of N-glycopeptides based on boronic acid affinity chromatography. <i>Journal of Chromatography A</i> , 2018, 1540, 87-93.	3.7	59
84	Development of gas chromatography-mass spectrometry following headspace single-drop microextraction and simultaneous derivatization for fast determination of the diabetes biomarker, acetone in human blood samples. <i>Analytica Chimica Acta</i> , 2006, 569, 91-96.	5.4	58
85	Phosphate-functionalized magnetic microspheres for immobilization of Zr <sup>4+</sup> ions for selective enrichment of the phosphopeptides. <i>Journal of Chromatography A</i> , 2010, 1217, 2606-2617.	3.7	58
86	Rapid determination of volatile constituents of <i>Michelia alba</i> flowers by gas chromatography-mass spectrometry with solid-phase microextraction. <i>Journal of Chromatography A</i> , 2002, 942, 283-288.	3.7	57
87	Development of gas chromatography-mass spectrometry following microwave distillation and simultaneous headspace single-drop microextraction for fast determination of volatile fraction in Chinese herb. <i>Journal of Chromatography A</i> , 2007, 1152, 193-198.	3.7	57
88	Selective separation and enrichment of peptides for MS analysis using the microspheres composed of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> core and perpendicularly aligned mesoporous SiO <sub>2</sub> shell. <i>Proteomics</i> , 2010, 10, 930-939.	2.2	57
89	Rapid determination of acetone in human plasma by gas chromatography-mass spectrometry and solid-phase microextraction with on-fiber derivatization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 805, 235-240.	2.3	56
90	Large scale depletion of the high-abundance proteins and analysis of middle- and low-abundance proteins in human liver proteome by multidimensional liquid chromatography. <i>Proteomics</i> , 2008, 8, 939-947.	2.2	56

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91	High throughput identification of components from traditional Chinese medicine herbs by utilizing graphene or graphene oxide as MALDI-TOF-MS matrix. <i>Journal of Mass Spectrometry</i> , 2011, 46, 804-815.	1.6	55
92	Highly efficient enrichment of phosphopeptides by a magnetic lanthanide metal-organic framework. <i>Talanta</i> , 2016, 159, 1-6.	5.5	55
93	Designed synthesis of a hydrophilic magnetic amino-functionalized metal-organic framework for highly efficient enrichment of glycopeptides and phosphopeptides. <i>Scientific Reports</i> , 2017, 7, 1162.	3.3	55
94	Metal Oxide Affinity Chromatography Platform-Polydopamine Coupled Functional Two-Dimensional Titania Graphene Nanohybrid for Phosphoproteome Research. <i>Analytical Chemistry</i> , 2014, 86, 4327-4332.	6.5	54
95	L-cysteine-modified metal-organic frameworks as multifunctional probes for efficient identification of N-linked glycopeptides and phosphopeptides in human crystalline lens. <i>Analytica Chimica Acta</i> , 2019, 1061, 110-121.	5.4	54
96	Highly efficient and selective enrichment of glycopeptides using easily synthesized magG/PDA/Au-Cys composites. <i>Proteomics</i> , 2016, 16, 1311-1320.	2.2	52
97	Rapid determination of amino acids in neonatal blood samples based on derivatization with isobutyl chloroformate followed by solid-phase microextraction and gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2558-2564.	1.5	51
98	Development of gas chromatography-mass spectrometry following headspace single-drop microextraction and simultaneous derivatization for fast determination of short-chain aliphatic amines in water samples. <i>Journal of Chromatography A</i> , 2006, 1131, 45-50.	3.7	51
99	Facile synthesis of magnetic metal organic frameworks for the enrichment of low-abundance peptides for MALDI-TOF MS analysis. <i>Proteomics</i> , 2013, 13, 3387-3392.	2.2	51
100	Rapid analysis of essential oil from Fructus Amomi by pressurized hot water extraction followed by solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 38, 326-331.	2.8	50
101	Hydrothermal synthesis of Fe <sub>2</sub> O <sub>3</sub> @SnO <sub>2</sub> core-shell nanotubes for highly selective enrichment of phosphopeptides for mass spectrometry analysis. <i>Nanoscale</i> , 2010, 2, 1892.	5.6	50
102	Highly sensitive thrombin detection by matrix assisted laser desorption ionization-time of flight mass spectrometry with aptamer functionalized core-shell Fe <sub>3</sub> O <sub>4</sub> @C@Au magnetic microspheres. <i>Talanta</i> , 2012, 88, 295-302.	5.5	50
103	Synthesis of magnetic graphene/mesoporous silica composites with boronic acid-functionalized pore-walls for selective and efficient residue analysis of aminoglycosides in milk. <i>Food Chemistry</i> , 2018, 239, 612-621.	8.2	50
104	Recent advances in mesoporous materials for sample preparation in proteomics research. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 99, 88-100.	11.4	50
105	Preparation of sandwich-structured graphene/mesoporous silica composites with C <sub>8</sub> -modified pore wall for highly efficient selective enrichment of endogenous peptides for mass spectrometry analysis. <i>Proteomics</i> , 2012, 12, 2784-2791.	2.2	49
106	Hydrophilic Nb <sup>5+</sup> -immobilized magnetic core-shell microsphere A novel immobilized metal ion affinity chromatography material for highly selective enrichment of phosphopeptides. <i>Analytica Chimica Acta</i> , 2015, 880, 67-76.	5.4	49
107	Designed Synthesis of Aptamer-Immobilized Magnetic Mesoporous Silica/Au Nanocomposites for Highly Selective Enrichment and Detection of Insulin. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 8451-8456.	8.0	49
108	Synthesis of zwitterionic hydrophilic magnetic mesoporous silica materials for endogenous glycopeptide analysis in human saliva. <i>Nanoscale</i> , 2018, 10, 5335-5341.	5.6	49

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109	Magnetic Binary Metal Oxides Affinity Probe for Highly Selective Enrichment of Phosphopeptides. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11775-11782.	8.0	48
110	Separation and Identification of Volatile Constituents in <i>Artemisia argyi</i> Flowers by GC-MS with SPME and Steam Distillation. <i>Journal of Chromatographic Science</i> , 2008, 46, 401-405.	1.4	47
111	Designed Synthesis of Titania Nanoparticles Coated Hierarchially Ordered Macro/Mesoporous Silica for Selective Enrichment of Phosphopeptides. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5467-5471.	8.0	47
112	Development of magnetic graphene @hydrophilic polydopamine for the enrichment and analysis of phthalates in environmental water samples. <i>Talanta</i> , 2015, 132, 753-759.	5.5	47
113	One-step functionalization of magnetic nanoparticles with 4-mercaptophenylboronic acid for a highly efficient analysis of N-glycopeptides. <i>Nanoscale</i> , 2017, 9, 16024-16029.	5.6	47
114	Magnetite nanoparticles coated with mercaptosuccinic acid-modified mesoporous titania as a hydrophilic sorbent for glycopeptides and phosphopeptides prior to their quantitation by LC-MS/MS. <i>Mikrochimica Acta</i> , 2019, 186, 159.	5.0	47
115	Headspace single-drop microextraction with in-drop derivatization for aldehyde analysis. <i>Journal of Separation Science</i> , 2005, 28, 2301-2305.	2.5	46
116	Facile synthesis of superparamagnetic Fe <sub>3</sub> O <sub>4</sub> @Au nanoparticles for photothermal destruction of cancer cells. <i>Chemical Communications</i> , 2011, 47, 11692.	4.1	46
117	Facile preparation of raisin-bread sandwich-structured magnetic graphene/mesoporous silica composites with C18-modified pore-walls for efficient enrichment of phthalates in environmental water. <i>Journal of Chromatography A</i> , 2014, 1325, 65-71.	3.7	46
118	Hydrophilic probe in mesoporous pore for selective enrichment of endogenous glycopeptides in biological samples. <i>Analytica Chimica Acta</i> , 2018, 1024, 84-92.	5.4	46
119	Facile synthesis of 4-mercaptophenylboronic acid functionalized gold nanoparticles for selective enrichment of glycopeptides. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3493-3500.	1.5	45
120	Preparation of magnetic core-mesoporous shell microspheres with C8-modified interior pore-walls and their application in selective enrichment and analysis of mouse brain peptidome. <i>Proteomics</i> , 2011, 11, 4503-4513.	2.2	45
121	Facile synthesis of magnetic poly(styrene-co-4-vinylbenzene-boronic acid) microspheres for selective enrichment of glycopeptides. <i>Proteomics</i> , 2015, 15, 2158-2165.	2.2	45
122	Development of immobilized Sn <sup>4+</sup> affinity chromatography material for highly selective enrichment of phosphopeptides. <i>Proteomics</i> , 2016, 16, 2733-2741.	2.2	45
123	Smart Hydrophilic Modification of Magnetic Mesoporous Silica with Zwitterionic $\gamma$ -Cysteine for Endogenous Glycopeptides Recognition. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2844-2851.	6.7	45
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131	Development of Hf 4+ -immobilized polydopamine-coated magnetic graphene for highly selective enrichment of phosphopeptides. <i>Talanta</i> , 2016, 149, 91-97.	5.5	43
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136	Enzyme Inhibitor Screening by Electrospray Mass Spectrometry with Immobilized Enzyme on Magnetic Silica Microspheres. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 865-873.	2.8	41
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161	Recent advances in nanomaterials for sample pre-treatment in phosphoproteomics research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115655.	11.4	35
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164	Selective enrichment of phosphopeptides by titania nanoparticles coated magnetic carbon nanotubes. <i>Talanta</i> , 2014, 118, 14-20.	5.5	34
165	Development of aptamer-conjugated magnetic graphene/gold nanoparticle hybrid nanocomposites for specific enrichment and rapid analysis of thrombin by MALDI-TOF MS. <i>Talanta</i> , 2014, 129, 282-289.	5.5	34
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173	Polydopamine-coated eppendorf tubes for Ti <sup>4+</sup> immobilization for selective enrichment of phosphopeptides. <i>Talanta</i> , 2014, 127, 88-93.	5.5	32
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177	Magnetic metal-organic frameworks containing abundant carboxylic groups for highly effective enrichment of glycopeptides in breast cancer serum. <i>Talanta</i> , 2019, 204, 446-454.	5.5	31
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193	A capillary column packed with a Zirconium(IV)-based organic framework for enrichment of endogenous phosphopeptides. <i>Mikrochimica Acta</i> , 2018, 185, 562.	5.0	27
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203	Hydrophilic polydopamine-coated magnetic graphene nanocomposites for highly efficient tryptic immobilization. <i>Proteomics</i> , 2014, 14, 1457-1463.	2.2	25
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205	Preparation of a TiO <sub>2</sub> -NH <sub>2</sub> modified MALDI plate for on-plate simultaneous enrichment of phosphopeptides and glycopeptides. <i>Talanta</i> , 2017, 175, 427-434.	5.5	25
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239	Designed synthesis of fluororous- $\epsilon$ -functionalized magnetic mesoporous microspheres for specific enrichment of phosphopeptides with fluororous derivatization. <i>Proteomics</i> , 2016, 16, 1051-1058.	2.2	18
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242	Synthesis of bifunctional TiO <sub>2</sub> @SiO <sub>2</sub> -B(OH) <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> sandwich-like nanosheets for sequential selective enrichment of phosphopeptides and glycopeptides for mass spectrometric analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5489-5497.	3.7	17
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244	Aptamer-functionalized magnetic metal organic framework as nanoprobe for biomarkers in human serum. <i>Analytica Chimica Acta</i> , 2019, 1087, 69-75.	5.4	17
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