

Chunhui Deng

List of Publications by Year in descending order

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299
papers

15,893
citations

15466

65
h-index

29081

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 ₃ O ₄ @SiO ₂ Core and Perpendicularly Aligned Mesoporous SiO ₂ Shell for Removal of Microcystins. <i>Journal of the American Chemical Society</i> , 2008, 130, 28-29.	6.6	1,588
2	Synthesis of Fe ₃ O ₄ @SiO ₂ @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.	7.2	341
3	Synthesis of Core/Shell Colloidal Magnetic Zeolite Microspheres for the Immobilization of Trypsin. <i>Advanced Materials</i> , 2009, 21, 1377-1382.	11.1	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.	1.2	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.	1.2	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.	2.2	161
7	Preparation of Fe ₃ O ₄ @ZrO ₂ 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.	1.8	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.	7.2	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.	1.8	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.	2.6	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.	3.2	148
12	Functionalized magnetic nanoparticles for sample preparation in proteomics and peptidomics analysis. <i>Chemical Society Reviews</i> , 2013, 42, 8517.	18.7	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.	1.6	140
14	Novel Fe ₃ O ₄ @TiO ₂ Core-Shell Microspheres for Selective Enrichment of Phosphopeptides in Phosphoproteome Analysis. <i>Journal of Proteome Research</i> , 2008, 7, 2526-2538.	1.8	136
15	Facile synthesis of Ti ⁴⁺ -immobilized Fe ₃ O ₄ @polydopamine core-shell microspheres for highly selective enrichment of phosphopeptides. <i>Chemical Communications</i> , 2013, 49, 5055.	2.2	134
16	Immobilization of Trypsin on Superparamagnetic Nanoparticles for Rapid and Effective Proteolysis. <i>Journal of Proteome Research</i> , 2007, 6, 3849-3855.	1.8	133
17	Fe ₃ O ₄ @Al ₂ O ₃ 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.	1.8	133
18	Preparation of Fe ₃ O ₄ @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.	1.8	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.	2.2	130
20	Novel approach for the synthesis of Fe ₃ O ₄ @TiO ₂ 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.	2.2	129
21	Metabolomic investigation of gastric cancer tissue using gas chromatography/mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1385-1395.	1.9	122
22	Hydrophilic Mesoporous Silica Materials for Highly Specific Enrichment of N-Linked Glycopeptide. <i>Analytical Chemistry</i> , 2017, 89, 1764-1771.	3.2	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.	1.8	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.	0.7	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.	3.2	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.	2.2	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.	1.3	109
28	Rational synthesis of novel recyclable Fe ₃ O ₄ @MOF nanocomposites for enzymatic digestion. <i>Chemical Communications</i> , 2015, 51, 8116-8119.	2.2	107
29	Preparation, characterization and application of magnetic silica nanoparticle functionalized multi-walled carbon nanotubes. <i>Chemical Communications</i> , 2005, , 5548.	2.2	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.	1.9	99
31	Facile Synthesis of Mercaptophenylboronic Acid-Functionalized Core-shell Structure Fe ₃ O ₄ @C@Au Magnetic Microspheres for Selective Enrichment of Glycopeptides and Glycoproteins. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9221-9226.	1.5	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.	5.7	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 & Interfaces</i> , 2013, 5, 7770-7776.	4.0	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.	2.9	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.	1.2	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.	1.1	94

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37	Efficient on-chip proteolysis system based on functionalized magnetic silica microspheres. <i>Proteomics</i> , 2007, 7, 2330-2339.	1.3	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.	1.3	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.	0.7	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.	1.2	87
41	Magnetically Responsive Fe ₃ O ₄ @SnO ₂ Core-Shell Microspheres: Synthesis, Characterization and Application in Phosphoproteomics. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15854-15861.	1.5	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.	1.2	86
43	Fast determination of curcuminol, 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.	1.8	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.	1.8	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.	2.6	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.	2.9	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.	1.8	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.	1.8	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.	2.8	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.	1.8	77
51	Synthesis of Polydopamine-Coated Magnetic Graphene for Cu ²⁺ Immobilization and Application to the Enrichment of Low-Concentration Peptides for Mass Spectrometry Analysis. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 13104-13112.	4.0	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 & Interfaces</i> , 2014, 6, 11799-11804.	4.0	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.	2.6	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.	1.8	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.	1.8	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.	1.2	73
57	A Facile Synthesis Approach to C ₈ -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.	11.1	73
58	Synthesis of Fe ₃ O ₄ /Graphene/TiO ₂ Composites for the Highly Selective Enrichment of Phosphopeptides from Biological Samples. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7330-7334.	4.0	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.	0.7	72
60	Facile synthesis of TiO ₂ /graphene composites for selective enrichment of phosphopeptides. <i>Nanoscale</i> , 2012, 4, 1577.	2.8	70
61	Advanced nanomaterials as sample technique for bio-analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116168.	5.8	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.	1.8	68
63	Novel Microwave-Assisted Digestion by Trypsin-Immobilized Magnetic Nanoparticles for Proteomic Analysis. <i>Journal of Proteome Research</i> , 2008, 7, 1297-1307.	1.8	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.	2.8	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.	0.7	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.	0.7	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.	1.8	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.	1.3	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.	1.8	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.	2.6	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.	7.8	64

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73	Development of core-shell structure Fe ₃ O ₄ @Ta ₂ O ₅ microspheres for selective enrichment of phosphopeptides for mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2009, 1216, 5533-5539.	1.8	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.	2.9	62
75	Advances in hydrophilic nanomaterials for glycoproteomics. <i>Chemical Communications</i> , 2019, 55, 10359-10375.	2.2	62
76	Preparation of C ₆₀ -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.	1.3	61
77	Functionalized magnetic nanomaterials as solid-phase extraction adsorbents for organic pollutants in environmental analysis. <i>Analytical Methods</i> , 2014, 6, 7130.	1.3	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.	3.2	60
79	Facile synthesis of Fe ₃ O ₄ @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.	2.9	60
80	Construction of Magnetic Covalent Organic Frameworks with Inherent Hydrophilicity for Efficiently Enriching Endogenous Glycopeptides in Human Saliva. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9814-9823.	4.0	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.	2.9	60
82	Facile synthesis of C ₈₀ -functionalized magnetic silica microspheres for enrichment of low-concentration peptides for direct MALDI-TOF MS analysis. <i>Proteomics</i> , 2008, 8, 2778-2784.	1.3	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.	1.8	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.	2.6	58
85	Phosphate-functionalized magnetic microspheres for immobilization of Zr ⁴⁺ ions for selective enrichment of the phosphopeptides. <i>Journal of Chromatography A</i> , 2010, 1217, 2606-2617.	1.8	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.	1.8	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.	1.8	57
88	Selective separation and enrichment of peptides for MS analysis using the microspheres composed of Fe ₃ O ₄ @SiO ₂ core and perpendicularly aligned mesoporous SiO ₂ shell. <i>Proteomics</i> , 2010, 10, 930-939.	1.3	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.	1.2	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.	1.3	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.	0.7	55
92	Highly efficient enrichment of phosphopeptides by a magnetic lanthanide metal-organic framework. <i>Talanta</i> , 2016, 159, 1-6.	2.9	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.	1.6	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.	3.2	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.	2.6	54
96	Highly efficient and selective enrichment of glycopeptides using easily synthesized magG/PDA/Au-Cys composites. <i>Proteomics</i> , 2016, 16, 1311-1320.	1.3	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.	0.7	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.	1.8	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.	1.3	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.	1.4	50
101	Hydrothermal synthesis of Fe ₂ O ₃ @SnO ₂ core-shell nanotubes for highly selective enrichment of phosphopeptides for mass spectrometry analysis. <i>Nanoscale</i> , 2010, 2, 1892.	2.8	50
102	Highly sensitive thrombin detection by matrix assisted laser desorption ionization-time of flight mass spectrometry with aptamer functionalized core-shell Fe ₃ O ₄ @C@Au magnetic microspheres. <i>Talanta</i> , 2012, 88, 295-302.	2.9	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.	4.2	50
104	Recent advances in mesoporous materials for sample preparation in proteomics research. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 99, 88-100.	5.8	50
105	Preparation of sandwich-structured graphene/mesoporous silica composites with C ₈ -modified pore wall for highly efficient selective enrichment of endogenous peptides for mass spectrometry analysis. <i>Proteomics</i> , 2012, 12, 2784-2791.	1.3	49
106	Hydrophilic Nb ⁵⁺ -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.	2.6	49
107	Designed Synthesis of Aptamer-Immobilized Magnetic Mesoporous Silica/Au Nanocomposites for Highly Selective Enrichment and Detection of Insulin. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8451-8456.	4.0	49
108	Synthesis of zwitterionic hydrophilic magnetic mesoporous silica materials for endogenous glycopeptide analysis in human saliva. <i>Nanoscale</i> , 2018, 10, 5335-5341.	2.8	49

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109	Magnetic Binary Metal Oxides Affinity Probe for Highly Selective Enrichment of Phosphopeptides. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11775-11782.	4.0	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.	0.7	47
111	Designed Synthesis of Titania Nanoparticles Coated Hierarchially Ordered Macro/Mesoporous Silica for Selective Enrichment of Phosphopeptides. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5467-5471.	4.0	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.	2.9	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.	2.8	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.	2.5	47
115	Headspace single-drop microextraction with in-drop derivatization for aldehyde analysis. <i>Journal of Separation Science</i> , 2005, 28, 2301-2305.	1.3	46
116	Facile synthesis of superparamagnetic Fe ₃ O ₄ @Au nanoparticles for photothermal destruction of cancer cells. <i>Chemical Communications</i> , 2011, 47, 11692.	2.2	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.	1.8	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.	2.6	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.	0.7	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.	1.3	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.	1.3	45
122	Development of immobilized Sn ⁴⁺ affinity chromatography material for highly selective enrichment of phosphopeptides. <i>Proteomics</i> , 2016, 16, 2733-2741.	1.3	45
123	Smart Hydrophilic Modification of Magnetic Mesoporous Silica with Zwitterionic γ -Cysteine for Endogenous Glycopeptides Recognition. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2844-2851.	3.2	45
124	Development of mesoporous TiO ₂ microspheres with high specific surface area for selective enrichment of phosphopeptides by mass spectrometric analysis. <i>Journal of Chromatography A</i> , 2010, 1217, 2197-2205.	1.8	44
125	Facile synthesis of Fe ₃ O ₄ @mesoporous TiO ₂ microspheres for selective enrichment of phosphopeptides for phosphoproteomics analysis. <i>Talanta</i> , 2013, 105, 20-27.	2.9	44
126	Recent advances in the application of core-shell structured magnetic materials for the separation and enrichment of proteins and peptides. <i>Journal of Chromatography A</i> , 2014, 1357, 182-193.	1.8	44

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127	Facile synthesis of hydrophilic magnetic graphene@metal-organic framework for highly selective enrichment of phosphopeptides. <i>RSC Advances</i> , 2015, 5, 35361-35364.	1.7	44
128	Designed synthesis of ultra-hydrophilic sulfo-functionalized metal-organic frameworks with a magnetic core for highly efficient enrichment of the N-linked glycopeptides. <i>Journal of Chromatography A</i> , 2017, 1508, 1-6.	1.8	44
129	Core-shell structured magnetic metal-organic framework composites for highly selective enrichment of endogenous N-linked glycopeptides and phosphopeptides. <i>Talanta</i> , 2018, 190, 298-312.	2.9	44
130	Development of magnetic multiwalled carbon nanotubes combined with near-infrared radiation-assisted desorption for the determination of tissue distribution of doxorubicin liposome injects in rats. <i>Journal of Chromatography A</i> , 2011, 1218, 4619-4626.	1.8	43
131	Development of Hf 4+ -immobilized polydopamine-coated magnetic graphene for highly selective enrichment of phosphopeptides. <i>Talanta</i> , 2016, 149, 91-97.	2.9	43
132	Rapid isolation and proteome analysis of urinary exosome based on double interactions of Fe ₃ O ₄ @TiO ₂ -DNA aptamer. <i>Talanta</i> , 2021, 221, 121571.	2.9	43
133	Gas chromatography-mass spectrometry following pressurized hot water extraction and solid-phase microextraction for quantification of eucalyptol, camphor, and borneol in <i>Chrysanthemum</i> flowers. <i>Journal of Separation Science</i> , 2007, 30, 86-89.	1.3	42
134	Development of pressurized hot water extraction followed by headspace solid-phase microextraction and gas chromatography-mass spectrometry for determination of ligustilides in <i>Ligusticum chuanxiong</i> and <i>Angelica sinensis</i> . <i>Journal of Separation Science</i> , 2005, 28, 1237-1243.	1.3	41
135	Capillary Array Reversed-Phase Liquid Chromatography-Based Multidimensional Separation System Coupled with MALDI-TOF-TOF MS Detection for High-Throughput Proteome Analysis. <i>Journal of Proteome Research</i> , 2006, 5, 3186-3196.	1.8	41
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.	1.2	41
137	Facile preparation of magnetic graphene double-sided mesoporous composites for the selective enrichment and analysis of endogenous peptides. <i>Proteomics</i> , 2013, 13, 2243-2250.	1.3	41
138	Development of microwave-assisted derivatization followed by gas chromatography/mass spectrometry for fast determination of amino acids in neonatal blood samples. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2227-2234.	0.7	40
139	Development of microwave-assisted protein digestion based on trypsin-immobilized magnetic microspheres for highly efficient proteolysis followed by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3910-3918.	0.7	40
140	Diagnosis of maple syrup urine disease by determination of l-valine, l-isoleucine, l-leucine and l-phenylalanine in neonatal blood spots by gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 792, 261-268.	1.2	39
141	Application of HS-SPME and GC-MS to Characterization of Volatile Compounds Emitted from <i>Osmanthus</i> Flowers. <i>Annali Di Chimica</i> , 2004, 94, 921-927.	0.6	39
142	Rapid determination of panaxynol in a traditional Chinese medicine of by pressurized hot water extraction followed by liquid-phase microextraction and gas chromatography-mass spectrometry. <i>Talanta</i> , 2005, 68, 6-11.	2.9	39
143	Development of microwave-assisted extraction followed by headspace solid-phase microextraction and gas chromatography-mass spectrometry for quantification of camphor and borneol in <i>Flos Chrysanthemi Indici</i> . <i>Analytica Chimica Acta</i> , 2006, 575, 120-125.	2.6	39
144	Comprehensive two-dimensional separation in coupling of reversed-phase chromatography with capillary isoelectric focusing followed by MALDI-MS identification using on-target digestion for intact protein analysis. <i>Electrophoresis</i> , 2006, 27, 2100-2110.	1.3	39

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146	An aptamer based on-plate microarray for high-throughput insulin detection by MALDI-TOF MS. <i>Chemical Communications</i> , 2012, 48, 2689.	2.2	39
147	Rapid synthesis of titanium(IV)-immobilized magnetic mesoporous silica nanoparticles for endogenous phosphopeptides enrichment. <i>Proteomics</i> , 2017, 17, 1600320.	1.3	39
148	Magnetic microspheres modified with Ti(IV) and Nb(V) for enrichment of phosphopeptides. <i>Mikrochimica Acta</i> , 2018, 185, 309.	2.5	38
149	Headspace solid-phase microextraction and capillary gas chromatographic-mass spectrometric determination of rivastigmine in canine plasma samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 806, 271-276.	1.2	37
150	A Simple Pathway to the Synthesis of Magnetic Nanoparticles with Immobilized Metal Ions for the Fast Removal of Microcystins in Water. <i>Small</i> , 2007, 3, 1714-1717.	5.2	37
151	Functionalized magnetic carbonaceous microspheres for trypsin immobilization and the application to fast proteolysis. <i>Journal of Chromatography A</i> , 2008, 1215, 82-91.	1.8	36
152	Thiol-ene click synthesis of L-Cysteine-bonded zwitterionic hydrophilic magnetic nanoparticles for selective and efficient enrichment of glycopeptides. <i>Talanta</i> , 2016, 160, 461-469.	2.9	36
153	Designed synthesis of Graphene @titania @mesoporous silica hybrid material as size-exclusive metal oxide affinity chromatography platform for selective enrichment of endogenous phosphopeptides. <i>Talanta</i> , 2016, 150, 296-301.	2.9	36
154	A promising nanoprobe based on hydrophilic interaction liquid chromatography and immobilized metal affinity chromatography for capture of glycopeptides and phosphopeptides. <i>Analytica Chimica Acta</i> , 2019, 1067, 1-10.	2.6	36
155	Rapid diagnosis of phenylketonuria and other aminoacidemias by quantitative analysis of amino acids in neonatal blood spots by gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 775, 115-120.	1.2	35
156	On-plate digestion of proteins using novel trypsin-immobilized magnetic nanospheres for MALDI-TOF-MS analysis. <i>Proteomics</i> , 2007, 7, 3661-3671.	1.3	35
157	Field analysis of acetaldehyde in mainstream tobacco smoke using solid-phase microextraction and a portable gas chromatograph. <i>Journal of Chromatography A</i> , 2008, 1198-1199, 34-37.	1.8	35
158	Facile synthesis and application of mesoporous silica coated magnetic carbon nanotubes. <i>Chemical Communications</i> , 2011, 47, 1210-1212.	2.2	35
159	Facile synthesis of thiol-polyethylene glycol functionalized magnetic titania nanomaterials for highly efficient enrichment of N-linked glycopeptides. <i>Journal of Chromatography A</i> , 2017, 1512, 1-8.	1.8	35
160	Novel synthesis of glucose functionalized magnetic graphene hydrophilic nanocomposites via facile thiolation for high-efficient enrichment of glycopeptides. <i>Talanta</i> , 2018, 179, 377-385.	2.9	35
161	Recent advances in nanomaterials for sample pre-treatment in phosphoproteomics research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115655.	5.8	35
162	Development of a hydrophilic magnetic amino-functionalized metal-organic framework for the highly efficient enrichment of trace bisphenols in river water samples. <i>Talanta</i> , 2020, 211, 120713.	2.9	35

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164	Selective enrichment of phosphopeptides by titania nanoparticles coated magnetic carbon nanotubes. <i>Talanta</i> , 2014, 118, 14-20.	2.9	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.	2.9	34
166	Gold-doped Covalent Organic Framework Reveals Specific Serum Metabolic Fingerprints as Point of Crohn's Disease Diagnosis. <i>Advanced Functional Materials</i> , 2021, 31, 2105478.	7.8	34
167	Facile synthesis of alumina hollow spheres for on-plate-selective enrichment of phosphopeptides. <i>Chemical Communications</i> , 2011, 47, 5334.	2.2	33
168	Development of a MALDI-TOF MS Strategy for the High-Throughput Analysis of Biomarkers: On-Target Aptamer Immobilization and Laser-Accelerated Proteolysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6055-6058.	7.2	33
169	Efficient extraction of low-abundance peptides from digested proteins and simultaneous exclusion of large-sized proteins with novel hydrophilic magnetic zeolitic imidazolate frameworks. <i>Talanta</i> , 2017, 167, 392-397.	2.9	33
170	Facile and easily popularized synthesis of l-cysteine-functionalized magnetic nanoparticles based on one-step functionalization for highly efficient enrichment of glycopeptides. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 989-998.	1.9	33
171	Magnetic mesoporous silica nanocomposites with binary metal oxides core-shell structure for the selective enrichment of endogenous phosphopeptides from human saliva. <i>Analytica Chimica Acta</i> , 2019, 1079, 111-119.	2.6	33
172	Hydrophilic polydopamine-derived mesoporous channels for loading Ti(IV) ions for salivary phosphoproteome research. <i>Analytica Chimica Acta</i> , 2021, 1146, 53-60.	2.6	33
173	Polydopamine-coated eppendorf tubes for Ti ⁴⁺ immobilization for selective enrichment of phosphopeptides. <i>Talanta</i> , 2014, 127, 88-93.	2.9	32
174	Recent advances in nanoporous materials as sample preparation techniques for peptidome research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115658.	5.8	32
175	Fast determination of paeonol in plasma by headspace solid-phase microextraction followed by gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2007, 585, 76-80.	2.6	31
176	Highly selective SiO ₂ -NH ₂ @TiO ₂ hollow microspheres for simultaneous enrichment of phosphopeptides and glycopeptides. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1607-1614.	1.9	31
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.	2.9	31
178	Novel Strategy of High-Abundance Protein Depletion Using Multidimensional Liquid Chromatography. <i>Journal of Proteome Research</i> , 2006, 5, 2853-2860.	1.8	30
179	Development of high performance liquid chromatography with immobilized enzyme onto magnetic nanospheres for screening enzyme inhibitor. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 871, 67-71.	1.2	30
180	Determination of volatile organic acids in tobacco by single-drop microextraction with in-syringe derivatization followed by GC-MS. <i>Journal of Separation Science</i> , 2010, 33, 212-217.	1.3	30

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182	Analysis of the volatile constituents of <i>Apium graveolens</i> L. and <i>Oenanthe</i> L. by gas chromatography-mass spectrometry, using headspace solid-phase microextraction. <i>Chromatographia</i> , 2003, 57, 805-809.	0.7	29
183	Rapid determination of acetone in human blood by derivatization with pentafluorobenzyl hydroxylamine followed by headspace liquid-phase microextraction and gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 647-653.	0.7	29
184	Selective enrichment of glycopeptides/phosphopeptides using Fe ₃ O ₄ @Au-B(OH) ₂ @mTiO ₂ core-shell microspheres. <i>Talanta</i> , 2017, 166, 154-161.	2.9	29
185	Sulfonic acid-based metal organic framework functionalized magnetic nanocomposite combined with gas chromatography-electron capture detector for extraction and determination of organochlorine. <i>Chinese Chemical Letters</i> , 2020, 31, 1843-1846.	4.8	29
186	Novel monolithic enzymatic microreactor based on single-enzyme nanoparticles for highly efficient proteolysis and its application in multidimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 7472-7477.	1.8	28
187	Development of magnetic multiwalled carbon nanotubes as solid-phase extraction technique for the determination of <i>p</i> -hydroxybenzoates in beverage. <i>Journal of Separation Science</i> , 2012, 35, 1667-1674.	1.3	28
188	Design and synthesis of magnetic binary metal oxides nanocomposites through dopamine chemistry for highly selective enrichment of phosphopeptides. <i>Proteomics</i> , 2016, 16, 915-919.	1.3	28
189	Diagnosis of congenital adrenal hyperplasia by rapid determination of 17 β -hydroxyprogesterone in dried blood spots by gas chromatography/mass spectrometry following microwave-assisted silylation. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2974-2978.	0.7	27
190	Quantification of trimethylsilyl derivatives of amino acid disease biomarkers in neonatal blood samples by gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 931-938.	1.9	27
191	Facile synthesis of water-soluble multi-wall carbon nanotubes and polyaniline composites and their application in detection of small metabolites by matrix assisted laser desorption/ionization mass spectrometry. <i>Chemical Communications</i> , 2011, 47, 11017.	2.2	27
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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.	2.5	27
194	Immobilization of titanium dioxide/ions on magnetic microspheres for enhanced recognition and extraction of mono- and multi-phosphopeptides. <i>Mikrochimica Acta</i> , 2019, 186, 236.	2.5	27
195	Hydrophilic tripeptide combined with magnetic titania as a multipurpose platform for universal enrichment of phospho- and glycopeptides. <i>Journal of Chromatography A</i> , 2019, 1595, 1-10.	1.8	27
196	Rapid Analysis of the Essential Oil of <i>Acorus tatarinowii</i> Schott by Microwave Distillation, SPME, and GC-MS. <i>Chromatographia</i> , 2006, 63, 591-594.	0.7	26
197	Fast determination of Z-ligustilide in plasma by gas chromatography/mass spectrometry following headspace single-drop microextraction. <i>Journal of Separation Science</i> , 2007, 30, 1318-1325.	1.3	26
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201	Facile Synthesis of Boronic Acid-Functionalized Magnetic Mesoporous Silica Nanocomposites for Highly Specific Enrichment of Glycopeptides. <i>Chinese Journal of Chemistry</i> , 2011, 29, 835-839.	2.6	25
202	Decyl-perfluorinated magnetic mesoporous microspheres for extraction and analysis perfluorinated compounds in water using ultrahigh-performance liquid chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2012, 35, 2629-2636.	1.3	25
203	Hydrophilic polydopamine-coated magnetic graphene nanocomposites for highly efficient tryptic immobilization. <i>Proteomics</i> , 2014, 14, 1457-1463.	1.3	25
204	Immobilized metal ion affinity chromatography ZipTip pipette tip with polydopamine modification and Ti 4+ immobilization for selective enrichment and isolation of phosphopeptides. <i>Talanta</i> , 2015, 143, 464-468.	2.9	25
205	Preparation of a TiO ₂ -NH ₂ modified MALDI plate for on-plate simultaneous enrichment of phosphopeptides and glycopeptides. <i>Talanta</i> , 2017, 175, 427-434.	2.9	25
206	A rational route to hybrid aptamer-molecularly imprinted magnetic nanoprobe for recognition of protein biomarkers in human serum. <i>Analytica Chimica Acta</i> , 2020, 1128, 1-10.	2.6	25
207	Determination of the volatile constituents of Chinese <i>Coriandrum sativum</i> L. by gas chromatography-mass spectrometry with solid-phase microextraction. <i>Chromatographia</i> , 2003, 57, 357-361.	0.7	24
208	Fast field analysis of short-chain aliphatic amines in water using solid-phase microextraction and a portable gas chromatograph. <i>Journal of Separation Science</i> , 2008, 31, 3225-3230.	1.3	24
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210	High efficiency enrichment of low-abundance peptides by novel dual-platform graphene@SiO ₂ @PMMA. <i>Nanoscale</i> , 2012, 4, 6948.	2.8	24
211	Quality assessment of <i>Flos Chrysanthemi Indici</i> from different growing areas in China by solid-phase microextraction-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1047, 281-287.	1.8	24
212	Inherently hydrophilic mesoporous channel coupled with metal oxide for fishing endogenous salivary glycopeptides and phosphopeptides. <i>Chinese Chemical Letters</i> , 2022, 33, 4695-4699.	4.8	24
213	Rapid determination of C ₆ -aldehydes in tomato plant emission by gas chromatography-mass spectrometry and solid-phase microextraction with on-fiber derivatization. <i>Journal of Separation Science</i> , 2005, 28, 172-176.	1.3	23
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215	Monodisperse magnetites anchored onto carbon nanotubes: a platform for cell imaging, magnetic manipulation and enhanced photothermal treatment of tumors. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1939.	2.9	23
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218	A Novel Miniaturized Flame Ionization Detector for Portable Gas Chromatography. <i>Journal of Chromatographic Science</i> , 2005, 43, 355-357.	0.7	22
219	Fluorous modified magnetic mesoporous silica composites-incorporated fluorous solid-phase extraction for the specific enrichment of N-linked glycans with simultaneous exclusion of proteins. <i>Talanta</i> , 2016, 159, 111-116.	2.9	22
220	Magnetic metal-organic framework nanocomposites for enrichment and direct detection of environmental pollutants by negative-ion matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Talanta</i> , 2019, 194, 329-335.	2.9	22
221	One-pot preparation of hydrophilic citric acid-magnetic nanoparticles for identification of glycopeptides in human saliva. <i>Talanta</i> , 2020, 206, 120178.	2.9	22
222	Determination of methylmalonic acid and glutaric acid in urine by aqueous-phase derivatization followed by headspace solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2007, 30, 266-271.	1.3	21
223	On-column tryptic mapping of proteins using metal-ion-chelated magnetic silica microspheres by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2263-2268.	0.7	21
224	Magnetic nanoparticles-based digestion and enrichment methods in proteomics analysis. <i>Expert Review of Proteomics</i> , 2011, 8, 379-390.	1.3	21
225	Preparation of C18-functionalized magnetic polydopamine microspheres for the enrichment and analysis of alkylphenols in water samples. <i>Talanta</i> , 2016, 148, 387-392.	2.9	21
226	Specific enrichment and glycosylation discrepancy profiling of cellular exosomes using a dual-affinity probe. <i>Chemical Communications</i> , 2021, 57, 6249-6252.	2.2	21
227	Rapid determination of methyl salicylate, a plant-signaling compound, in tomato leaves by direct sample introduction and thermal desorption followed by GC-MS. <i>Journal of Separation Science</i> , 2005, 28, 1137-1142.	1.3	20
228	Development of gas chromatography/mass spectrometry following headspace solid-phase microextraction for fast determination of asarones in plasma. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2120-2126.	0.7	20
229	Headspace solid-phase microextraction and gas chromatography-mass spectrometry analysis of free volatile compounds in Mango. <i>Chromatographia</i> , 2002, 55, 737-741.	0.7	19
230	Recent developments and contributions from Chinese scientists in multidimensional separations for proteomics and traditional Chinese medicines. <i>Journal of Separation Science</i> , 2007, 30, 785-791.	1.3	19
231	High Throughput Enzyme Inhibitor Screening by Functionalized Magnetic Carbonaceous Microspheres and Graphene Oxide-Based MALDI-TOF-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 2188-2198.	1.2	19
232	Preparation of on-plate immobilized metal ion affinity chromatography platform via dopamine chemistry for highly selective isolation of phosphopeptides with matrix assisted laser desorption/ionization mass spectrometry analysis. <i>Talanta</i> , 2015, 135, 81-86.	2.9	19
233	The synthesis of Zr-metal-organic framework functionalized magnetic graphene nanocomposites as an adsorbent for fast determination of multi-pesticide residues in tobacco samples. <i>Journal of Chromatography A</i> , 2018, 1577, 1-7.	1.8	19
234	Fabrication of hydrophilic multilayer magnetic probe for salivary glycopeptidome analysis. <i>Journal of Chromatography A</i> , 2019, 1587, 24-33.	1.8	19

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236	Development of multidimensional liquid chromatography and application in proteomic analysis. <i>Expert Review of Proteomics</i> , 2010, 7, 665-678.	1.3	18
237	Titanium(IV)-Immobilized Hydrophilic Hierarchically Ordered Macro-/Mesoporous Silica for Fast Enrichment of Phosphopeptides. <i>ChemPlusChem</i> , 2014, 79, 662-666.	1.3	18
238	A novel double-component MOAC honeycomb composite with pollen grains as a template for phosphoproteomics research. <i>Talanta</i> , 2016, 154, 141-149.	2.9	18
239	Designed synthesis of fluororous- ϵ -functionalized magnetic mesoporous microspheres for specific enrichment of phosphopeptides with fluororous derivatization. <i>Proteomics</i> , 2016, 16, 1051-1058.	1.3	18
240	Solid-Phase Microextraction Followed by Gas Chromatography-Mass Spectrometry Analysis of the Volatile Components of <i>Flos Chrysanthemi indicii</i> in Different Growing Areas. <i>Chromatographia</i> , 2004, 59, .	0.7	17
241	Determination of Camphor and Borneol in <i>Flos Chrysanthemi Indici</i> by UAE and GC-FID. <i>Journal of Chromatographic Science</i> , 2009, 47, 287-290.	0.7	17
242	Synthesis of bifunctional $\text{TiO}_2@\text{SiO}_2\text{-B(OH)}_2@\text{Fe}_3\text{O}_4@\text{TiO}_2$ 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.	1.9	17
243	Preparation of Ti^{4+} -immobilized modified silica capillary trapping column for on-line selective enrichment of phosphopeptides. <i>Talanta</i> , 2016, 153, 285-294.	2.9	17
244	Aptamer-functionalized magnetic metal organic framework as nanoprobe for biomarkers in human serum. <i>Analytica Chimica Acta</i> , 2019, 1087, 69-75.	2.6	17
245	Boric-acid-modified $\text{Fe}_3\text{O}_4@\text{PDA}@ \text{UiO-66}$ for enrichment and detection of glucose by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8083-8092.	1.9	16
246	Magnetic porous carbon-dependent platform for the determination of N-glycans from urine exosomes. <i>Mikrochimica Acta</i> , 2021, 188, 66.	2.5	16
247	Development of magnetic graphene as an adsorbent and matrix for selective enrichment and detection of crotonaldehyde in saliva by MALDI-TOF-MS. <i>Analytical Methods</i> , 2013, 5, 4585.	1.3	15
248	Preparation of phenyl group-functionalized magnetic mesoporous silica microspheres for fast extraction and analysis of acetaldehyde in mainstream cigarette smoke by gas chromatography-mass spectrometry. <i>Talanta</i> , 2013, 115, 427-434.	2.9	15
249	Facile synthesis of Cu^{2+} -modified mesoporous silica-coated magnetic graphene composite for enrichment of microcystin-LR followed by mass spectrometry analysis. <i>Talanta</i> , 2016, 154, 183-189.	2.9	15
250	Fabrication of functionalized magnetic microspheres based on monodispersed polystyrene for quantitation of allyl-benzodioxoles coupled with gas chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1607, 460402.	1.8	15
251	Magnetic mesoporous silica of loading copper metal ions for enrichment and LC-MS/MS analysis of salivary endogenous peptides. <i>Talanta</i> , 2020, 207, 120313.	2.9	15
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254	Ultrasensitive enrichment of phosphopeptides with Ti ⁴⁺ immobilized SiO ₂ graphene-like multilayer nanosheets. <i>Analyst</i> , 2016, 141, 3421-3427.	1.7	14
255	Preparation of iminodiacetic acid functionalized silica capillary trap column for on-column selective enrichment of N-linked glycopeptides. <i>Talanta</i> , 2018, 188, 499-506.	2.9	14
256	Dual metal cations coated magnetic mesoporous silica probe for highly selective capture of endogenous phosphopeptides in biological samples. <i>Mikrochimica Acta</i> , 2020, 187, 400.	2.5	14
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