Chun-Hui Deng

List of Publications by Year
in descending order

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216 papers	11,109 citations	31976 53 h-index	40979 93 g-index
217 all docs	217 docs citations	217 times ranked	9236 citing authors

#	Article	IF	Citations
1	Superparamagnetic High-Magnetization Microspheres with an Fe₃O₄@SiO₂ Core and Perpendicularly Aligned Mesoporous SiO₂ Shell for Removal of Microcystins. Journal of the American Chemical Society, 2008, 130, 28-29.	13.7	1,588
2	Synthesis of Fe₃O₄@SiO₂@PMMA Coreâ€“Shellâ€“Shell Magnetic Microspheres for Highly Efficient Enrichment of Peptides and Proteins for MALDIâ€ToF MS Analysis. Angewandte Chemie - International Edition, 2010, 49, 607-611.	13.8	341
3	Synthesis of Core/Shell Colloidal Magnetic Zeolite Microspheres for the Immobilization of Trypsin. Advanced Materials, 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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 808, 269-277.	2.3	175
5	Determination of acetone in human breath by gas chromatographyâ€“mass spectrometry and solid-phase microextraction with on-fiber derivatization. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 810, 269-275.	2.3	173
6	The design and synthesis of a hydrophilic coreâ€“shellâ€“shell structured magnetic metalâ€“organic framework as a novel immobilized metal ion affinity platform for phosphoproteome research. Chemical Communications, 2014, 50, 6228.	4.1	161
7	Preparation of Fe₃O₄@ZrO₂ Coreâ”Shell Microspheres as Affinity Probes for Selective Enrichment and Direct Determination of Phosphopeptides Using Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. Journal of Proteome Research, 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. Angewandte Chemie - International Edition, 2010, 49, 7557-7561.	13.8	157
9	Hydrophilic Polydopamine-Coated Graphene for Metal Ion Immobilization as a Novel Immobilized Metal Ion Affinity Chromatography Platform for Phosphoproteome Analysis. Analytical Chemistry, 2013, 85, 8483-8487.	6.5	148
10	Functionalized magnetic nanoparticles for sample preparation in proteomics and peptidomics analysis. Chemical Society Reviews, 2013, 42, 8517.	38.1	146
11	Novel Fe₃O₄@TiO₂ Coreâ”Shell Microspheres for Selective Enrichment of Phosphopeptides in Phosphoproteome Analysis. Journal of Proteome Research, 2008, 7, 2526-2538.	3.7	136
12	Facile synthesis of Ti4+-immobilized Fe3O4@polydopamine coreâ€“shell microspheres for highly selective enrichment of phosphopeptides. Chemical Communications, 2013, 49, 5055.	4.1	134
13	Fe3O4@Al2O3 magnetic coreâ€“shell microspheres for rapid and highly specific capture of phosphopeptides with mass spectrometry analysis. Journal of Chromatography A, 2007, 1172, 57-71.	3.7	133
14	Facile synthesis of aminophenylboronic acid-functionalized magnetic nanoparticles for selective separation of glycopeptides and glycoproteins. Chemical Communications, 2008, , 5577.	4.1	130
15	Hydrophilic Mesoporous Silica Materials for Highly Specific Enrichment of N-Linked Glycopeptide. Analytical Chemistry, 2017, 89, 1764-1771.	6.5	122
16	Development of microwave-assisted extraction followed by headspace single-drop microextraction for fast determination of paeonol in traditional Chinese medicines. Journal of Chromatography A, 2006, 1103, 15-21.	3.7	114
17	Enrichment and detection of small molecules using magnetic graphene as an adsorbent and a novel matrix of MALDI-TOF-MS. Chemical Communications, 2012, 48, 2418.	4.1	112
18	Onâ€plateâ€selective enrichment of glycopeptides using boronic acidâ€modified gold nanoparticles for direct MALDIâ€QITâ€TOF MS analysis. Proteomics, 2009, 9, 5046-5055.	2.2	109

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19	Rational synthesis of novel recyclable Fe₃O₄@MOF nanocomposites for enzymatic digestion. Chemical Communications, 2015, 51, 8116-8119.	4.1	107
20	Hydrophilic tripeptide-functionalized magnetic metalâ€“organic frameworks for the highly efficient enrichment of N-linked glycopeptides. Nanoscale, 2018, 10, 12149-12155.	5.6	99
21	Facile Synthesis of Mercaptophenylboronic Acid-Functionalized Coreâ^'Shell Structure Fe₃O₄@C@Au Magnetic Microspheres for Selective Enrichment of Glycopeptides and Glycoproteins. Journal of Physical Chemistry C, 2010, 114, 9221-9226.	3.1	98
22	On-demand CO release for amplification of chemotherapy by MOF functionalized magnetic carbon nanoparticles with NIR irradiation. Biomaterials, 2019, 195, 51-62.	11.4	98
23	Preparation of magnetic graphene @polydopamine @Zr-MOF material for the extraction and analysis of bisphenols in water samples. Talanta, 2015, 144, 1329-1335.	5.5	96
24	Gas chromatographyâ€“mass spectrometry method for determination of phenylalanine and tyrosine in neonatal blood spots. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 780, 407-413.	2.3	95
25	Development of headspace solid-phase microextraction with on-fiber derivatization for determination of hexanal and heptanal in human blood. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 813, 47-52.	2.3	87
26	Fast determination of curcumol, curdione and germacrone in three species of Curcuma rhizomes by microwave-assisted extraction followed by headspace solid-phase microextraction and gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2006, 1117, 115-120.	3.7	85
27	Rapid determination of essential oil in Acorus tatarinowii Schott. by pressurized hot water extraction followed by solid-phase microextraction and gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2004, 1059, 149-155.	3.7	84
28	Integrated Proteome Analysis Device for Fast Single-Cell Protein Profiling. Analytical Chemistry, 2018, 90, 14003-14010.	6.5	84
29	Recent developments in sample preparation techniques for chromatography analysis of traditional Chinese medicines. Journal of Chromatography A, 2007, 1153, 90-96.	3.7	81
30	Designed synthesis of MOF-derived magnetic nanoporous carbon materials for selective enrichment of glycans for glycomics analysis. Nanoscale, 2015, 7, 6487-6491.	5.6	78
31	Synthesis of Polydopamine-Coated Magnetic Graphene for Cu²⁺ Immobilization and Application to the Enrichment of Low-Concentration Peptides for Mass Spectrometry Analysis. ACS Applied Materials & Interfaces, 2013, 5, 13104-13112.	8.0	77
32	Size-Exclusive Magnetic Graphene/Mesoporous Silica Composites with Titanium(IV)-Immobilized Pore Walls for Selective Enrichment of Endogenous Phosphorylated Peptides. ACS Applied Materials & Interfaces, 2014, 6, 11799-11804.	8.0	77
33	Glucose-6-Phosphate-Functionalized Magnetic Microsphere as Novel Hydrophilic Probe for Specific Capture of N-Linked Glycopeptides. Analytical Chemistry, 2017, 89, 11151-11158.	6.5	76
34	A Facile Synthesis Approach to C₈â€Functionalized Magnetic Carbonaceous Polysaccharide Microspheres for the Highly Efficient and Rapid Enrichment of Peptides and Direct MALDIâ€TOFâ€MS Analysis. Advanced Materials, 2009, 21, 2200-2205.	21.0	73
35	Synthesis of Fe₃O₄/Graphene/TiO₂ Composites for the Highly Selective Enrichment of Phosphopeptides from Biological Samples. ACS Applied Materials & Interfaces, 2013, 5, 7330-7334.	8.0	72
36	Simultaneous Analysis of Organophosphorus Pesticides in Water by Magnetic Solid-Phase Extraction Coupled with GCâ€“MS. Chromatographia, 2013, 76, 535-540.	1.3	72

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37	Advanced nanomaterials as sample technique for bio-analysis. TrAC - Trends in Analytical Chemistry, 2021, 135, 116168.	11.4	70
38	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. Rapid Communications in Mass Spectrometry, 2004, 18, 1715-1720.	1.5	65
39	Concanavalin Aâ€immobilized magnetic nanoparticles for selective enrichment of glycoproteins and application to glycoproteomics in hepatocelluar carcinoma cell line. Proteomics, 2010, 10, 2000-2014.	2.2	65
40	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. Journal of Materials Chemistry, 2012, 22, 20778.	6.7	64
41	Nanomaterials in Proteomics. Advanced Functional Materials, 2019, 29, 1900253.	14.9	64
42	Magnetic Binary Metalâ€“Organic Framework As a Novel Affinity Probe for Highly Selective Capture of Endogenous Phosphopeptides. ACS Sustainable Chemistry and Engineering, 2018, 6, 4382-4389.	6.7	63
43	Advances in hydrophilic nanomaterials for glycoproteomics. Chemical Communications, 2019, 55, 10359-10375.	4.1	62
44	Functionalized magnetic nanomaterials as solid-phase extraction adsorbents for organic pollutants in environmental analysis. Analytical Methods, 2014, 6, 7130.	2.7	60
45	Highly Selective Enrichment of N-Linked Glycan by Carbon-Functionalized Ordered Graphene/Mesoporous Silica Composites. Analytical Chemistry, 2014, 86, 2246-2250.	6.5	60
46	Facile synthesis of Fe3O4@PDA core-shell microspheres functionalized with various metal ions: A systematic comparison of commonly-used metal ions for IMAC enrichment. Talanta, 2018, 178, 600-607.	5.5	60
47	Construction of Magnetic Covalent Organic Frameworks with Inherent Hydrophilicity for Efficiently Enriching Endogenous Glycopeptides in Human Saliva. ACS Applied Materials & Interfaces, 2020, 12, 9814-9823.	8.0	60
48	One-step synthesis of carboxyl-functionalized metal-organic framework with binary ligands for highly selective enrichment of N-linked glycopeptides. Talanta, 2017, 175, 477-482.	5.5	60
49	Core-shell structured magnetic metal-organic framework composites for highly selective detection of N-glycopeptides based on boronic acid affinity chromatography. Journal of Chromatography A, 2018, 1540, 87-93.	3.7	59
50	Phosphate-functionalized magnetic microspheres for immobilization of Zr4+ ions for selective enrichment of the phosphopeptides. Journal of Chromatography A, 2010, 1217, 2606-2617.	3.7	58
51	Development of gas chromatographyâ€“mass spectrometry following microwave distillation and simultaneous headspace single-drop microextraction for fast determination of volatile fraction in Chinese herb. Journal of Chromatography A, 2007, 1152, 193-198.	3.7	57
52	Selective separation and enrichment of peptides for MS analysis using the microspheres composed of Fe₃O₄@nSiO₂ core and perpendicularly aligned mesoporous SiO₂ shell. Proteomics, 2010, 10, 930-939.	2.2	57
53	Rapid determination of acetone in human plasma by gas chromatographyâ€“mass spectrometry and solid-phase microextraction with on-fiber derivatization. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 805, 235-240.	2.3	56
54	Highly efficient enrichment of phosphopeptides by a magnetic lanthanide metal-organic framework. Talanta, 2016, 159, 1-6.	5.5	55

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55	Designed synthesis of a â€œOne for Twoâ€•hydrophilic magnetic amino-functionalized metal-organic framework for highly efficient enrichment of glycopeptides and phosphopeptides. Scientific Reports, 2017, 7, 1162.	3.3	55
56	Metal Oxide Affinity Chromatography Platformâ€“Polydopamine Coupled Functional Two-Dimensional Titania Graphene Nanohybrid for Phosphoproteome Research. Analytical Chemistry, 2014, 86, 4327-4332.	6.5	54
57	l-cysteine-modified metal-organic frameworks as multifunctional probes for efficient identification of N-linked glycopeptides and phosphopeptides in human crystalline lens. Analytica Chimica Acta, 2019, 1061, 110-121.	5.4	54
58	Recent advances in metal-organic frameworks for separation and enrichment in proteomics analysis. TrAC - Trends in Analytical Chemistry, 2019, 110, 66-80.	11.4	53
59	Highly efficient and selective enrichment of glycopeptides using easily synthesized magG/PDA/Au/<scp>l</scp>â€Cys composites. Proteomics, 2016, 16, 1311-1320.	2.2	52
60	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. Rapid Communications in Mass Spectrometry, 2004, 18, 2558-2564.	1.5	51
61	Development of gas chromatographyâ€“mass spectrometry following headspace single-drop microextraction and simultaneous derivatization for fast determination of short-chain aliphatic amines in water samples. Journal of Chromatography A, 2006, 1131, 45-50.	3.7	51
62	Rapid analysis of essential oil from Fructus Amomi by pressurized hot water extraction followed by solid-phase microextraction and gas chromatographyâ€“mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2005, 38, 326-331.	2.8	50
63	Hydrothermal synthesis of Î±-Fe2O3@SnO2 coreâ€“shell nanotubes for highly selective enrichment of phosphopeptides for mass spectrometry analysis. Nanoscale, 2010, 2, 1892.	5.6	50
64	Synthesis of magnetic graphene/mesoporous silica composites with boronic acid-functionalized pore-walls for selective and efficient residue analysis of aminoglycosides in milk. Food Chemistry, 2018, 239, 612-621.	8.2	50
65	Recent advances in mesoporous materials for sample preparation in proteomics research. TrAC - Trends in Analytical Chemistry, 2018, 99, 88-100.	11.4	50
66	Preparation of sandwichâ€structured graphene/mesoporous silica composites with <scp>C</scp>8â€modified pore wall for highly efficient selective enrichment of endogenous peptides for mass spectrometry analysis. Proteomics, 2012, 12, 2784-2791.	2.2	49
67	Hydrophilic Nb5+-immobilized magnetic coreâ€“shell microsphere â€“ A novel immobilized metal ion affinity chromatography material for highly selective enrichment of phosphopeptides. Analytica Chimica Acta, 2015, 880, 67-76.	5.4	49
68	Designed Synthesis of Aptamer-Immobilized Magnetic Mesoporous Silica/Au Nanocomposites for Highly Selective Enrichment and Detection of Insulin. ACS Applied Materials & Interfaces, 2015, 7, 8451-8456.	8.0	49
69	Synthesis of zwitterionic hydrophilic magnetic mesoporous silica materials for endogenous glycopeptide analysis in human saliva. Nanoscale, 2018, 10, 5335-5341.	5.6	49
70	Magnetic Binary Metal Oxides Affinity Probe for Highly Selective Enrichment of Phosphopeptides. ACS Applied Materials & Interfaces, 2014, 6, 11775-11782.	8.0	48
71	Designed Synthesis of Titania Nanoparticles Coated Hierarchially Ordered Macro/Mesoporous Silica for Selective Enrichment of Phosphopeptides. ACS Applied Materials & Interfaces, 2014, 6, 5467-5471.	8.0	47
72	Development of magnetic graphene @hydrophilic polydopamine for the enrichment and analysis of phthalates in environmental water samples. Talanta, 2015, 132, 753-759.	5.5	47

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73	One-step functionalization of magnetic nanoparticles with 4-mercaptophenylboronic acid for a highly efficient analysis of N-glycopeptides. Nanoscale, 2017, 9, 16024-16029.	5.6	47
74	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. Mikrochimica Acta, 2019, 186, 159.	5.0	47
75	A hydrophilic magnetic MOF for the consecutive enrichment of exosomes and exosomal phosphopeptides. Chemical Communications, 2020, 56, 13999-14002.	4.1	47
76	Headspace single-drop microextraction with in-drop derivatization for aldehyde analysis. Journal of Separation Science, 2005, 28, 2301-2305.	2.5	46
77	Facile synthesis of superparamagnetic Fe3O4@Au nanoparticles for photothermal destruction of cancer cells. Chemical Communications, 2011, 47, 11692.	4.1	46
78	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. Journal of Chromatography A, 2014, 1325, 65-71.	3.7	46
79	Hydrophilic probe in mesoporous pore for selective enrichment of endogenous glycopeptides in biological samples. Analytica Chimica Acta, 2018, 1024, 84-92.	5.4	46
80	Facile synthesis of 4â€mercaptophenylboronic acid functionalized gold nanoparticles for selective enrichment of glycopeptides. Rapid Communications in Mass Spectrometry, 2009, 23, 3493-3500.	1.5	45
81	Facile synthesis of magnetic poly(styreneâ€coâ€4â€vinylbenzeneâ€boronic acid) microspheres for selective enrichment of glycopeptides. Proteomics, 2015, 15, 2158-2165.	2.2	45
82	Development of immobilized Sn⁴⁺ affinity chromatography material for highly selective enrichment of phosphopeptides. Proteomics, 2016, 16, 2733-2741.	2.2	45
83	Smart Hydrophilic Modification of Magnetic Mesoporous Silica with Zwitterionic <scp>l</scp>-Cysteine for Endogenous Glycopeptides Recognition. ACS Sustainable Chemistry and Engineering, 2019, 7, 2844-2851.	6.7	45
84	Recent advances in the application of coreâ€“shell structured magnetic materials for the separation and enrichment of proteins and peptides. Journal of Chromatography A, 2014, 1357, 182-193.	3.7	44
85	Facile synthesis of hydrophilic magnetic graphene@metalâ€“organic framework for highly selective enrichment of phosphopeptides. RSC Advances, 2015, 5, 35361-35364.	3.6	44
86	Designed synthesis of ultra-hydrophilic sulfo-functionalized metal-organic frameworks with a magnetic core for highly efficient enrichment of the N-linked glycopeptides. Journal of Chromatography A, 2017, 1508, 1-6.	3.7	44
87	Core-shell structured magnetic metal-organic framework composites for highly selective enrichment of endogenous N-linked glycopeptides and phosphopeptides. Talanta, 2018, 190, 298-312.	5.5	44
88	Development of Hf 4+ -immobilized polydopamine-coated magnetic graphene for highly selective enrichment of phosphopeptides. Talanta, 2016, 149, 91-97.	5.5	43
89	Rapid isolation and proteome analysis of urinary exosome based on double interactions of Fe3O4@TiO2-DNA aptamer. Talanta, 2021, 221, 121571.	5.5	43
90	Development of pressurized hot water extraction followed by headspace solid-phase microextraction and gas chromatography-mass spectrometry for determination of ligustilides inLigusticum chuanxiongand Angelica sinensis. Journal of Separation Science, 2005, 28, 1237-1243.	2.5	41

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91	Facile preparation of magnetic graphene doubleâ€sided mesoporous composites for the selective enrichment and analysis of endogenous peptides. Proteomics, 2013, 13, 2243-2250.	2.2	41
92	Development of microwave-assisted derivatization followed by gas chromatography/mass spectrometry for fast determination of amino acids in neonatal blood samples. Rapid Communications in Mass Spectrometry, 2005, 19, 2227-2234.	1.5	40
93	Diagnosis of maple syrup urine disease by determination of l-valine, l-isoleucine, l-leucine and l-phenylalanine in neonatal blood spots by gas chromatographyâ€“mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 792, 261-268.	2.3	39
94	Application of HS-SPME and GC-MS to Characterization of Volatile Compounds Emitted from Osmanthus Flowers. Annali Di Chimica, 2004, 94, 921-927.	0.6	39
95	Rapid determination of panaxynol in a traditional Chinese medicine of by pressurized hot water extraction followed by liquid-phase microextraction and gas chromatographyâ€“mass spectrometry. Talanta, 2005, 68, 6-11.	5.5	39
96	Development of microwave-assisted extraction followed by headspace solid-phase microextraction and gas chromatographyâ€“mass spectrometry for quantification of camphor and borneol in Flos Chrysanthemi Indici. Analytica Chimica Acta, 2006, 575, 120-125.	5.4	39
97	Facile Synthesis of Uniform Microspheres Composed of a Magnetite Core and Copper Silicate Nanotube Shell for Removal of Microcystins in Water. Journal of Physical Chemistry C, 2009, 113, 21068-21073.	3.1	39
98	An aptamer based on-plate microarray for high-throughput insulin detection by MALDI-TOF MS. Chemical Communications, 2012, 48, 2689.	4.1	39
99	Rapid synthesis of titanium(IV)â€immobilized magnetic mesoporous silica nanoparticles for endogenous phosphopeptides enrichment. Proteomics, 2017, 17, 1600320.	2.2	39
100	Magnetic microspheres modified with Ti(IV) and Nb(V) for enrichment of phosphopeptides. Mikrochimica Acta, 2018, 185, 309.	5.0	38
101	Thiol-ene click synthesis of L-Cysteine-bonded zwitterionic hydrophilic magnetic nanoparticles for selective and efficient enrichment of glycopeptides. Talanta, 2016, 160, 461-469.	5.5	36
102	Designed synthesis of Graphene @titania @mesoporous silica hybrid material as size-exclusive metal oxide affinity chromatography platform for selective enrichment of endogenous phosphopeptides. Talanta, 2016, 150, 296-301.	5.5	36
103	A promising nanoprobe based on hydrophilic interaction liquid chromatography and immobilized metal affinity chromatography for capture of glycopeptides and phosphopeptides. Analytica Chimica Acta, 2019, 1067, 1-10.	5.4	36
104	Rapid diagnosis of phenylketonuria and other aminoacidemias by quantitative analysis of amino acids in neonatal blood spots by gas chromatographyâ€“mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 775, 115-120.	2.3	35
105	Facile synthesis of thiol-polyethylene glycol functionalized magnetic titania nanomaterials for highly efficient enrichment of N-linked glycopeptides. Journal of Chromatography A, 2017, 1512, 1-8.	3.7	35
106	Novel synthesis of glucose functionalized magnetic graphene hydrophilic nanocomposites via facile thiolation for high-efficient enrichment of glycopeptides. Talanta, 2018, 179, 377-385.	5.5	35
107	Recent advances in nanomaterials for sample pre-treatment in phosphoproteomics research. TrAC - Trends in Analytical Chemistry, 2019, 120, 115655.	11.4	35
108	Development of a hydrophilic magnetic amino-functionalized metal-organic framework for the highly efficient enrichment of trace bisphenols in river water samples. Talanta, 2020, 211, 120713.	5.5	35

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109	Development of water-phase derivatization followed by solid-phase microextraction and gas chromatography/mass spectrometry for fast determination of valproic acid in human plasma. Rapid Communications in Mass Spectrometry, 2006, 20, 1281-1287.	1.5	34
110	Development of aptamer-conjugated magnetic graphene/gold nanoparticle hybrid nanocomposites for specific enrichment and rapid analysis of thrombin by MALDI-TOF MS. Talanta, 2014, 129, 282-289.	5.5	34
111	Goldâ€Doped Covalent Organic Framework Reveals Specific Serum Metabolic Fingerprints as Point of Crohn's Disease Diagnosis. Advanced Functional Materials, 2021, 31, 2105478.	14.9	34
112	Rapid Determination of Volatile Compounds Emitted from Chimonanthus praecox Flowers by HS-SPME-GC-MS. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 636-640.	1.4	33
113	Development of a MALDIâ€TOF MS Strategy for the Highâ€Throughput Analysis of Biomarkers: Onâ€Target Aptamer Immobilization and Laserâ€Accelerated Proteolysis. Angewandte Chemie - International Edition, 2013, 52, 6055-6058.	13.8	33
114	Efficient extraction of low-abundance peptides from digested proteins and simultaneous exclusion of large-sized proteins with novel hydrophilic magnetic zeolitic imidazolate frameworks. Talanta, 2017, 167, 392-397.	5.5	33
115	Facile and easily popularized synthesis of l-cysteine-functionalized magnetic nanoparticles based on one-step functionalization for highly efficient enrichment of glycopeptides. Analytical and Bioanalytical Chemistry, 2018, 410, 989-998.	3.7	33
116	Magnetic mesoporous silica nanocomposites with binary metal oxides core-shell structure for the selective enrichment of endogenous phosphopeptides from human saliva. Analytica Chimica Acta, 2019, 1079, 111-119.	5.4	33
117	Hydrophilic polydopamine-derived mesoporous channels for loading Ti(IV) ions for salivary phosphoproteome research. Analytica Chimica Acta, 2021, 1146, 53-60.	5.4	33
118	Polydopamine-coated eppendorf tubes for Ti4+ immobilization for selective enrichment of phosphopeptides. Talanta, 2014, 127, 88-93.	5.5	32
119	Recent advances in nanoporous materials as sample preparation techniques for peptidome research. TrAC - Trends in Analytical Chemistry, 2019, 120, 115658.	11.4	32
120	Highly selective SiO2â€“NH2@TiO2 hollow microspheres for simultaneous enrichment of phosphopeptides and glycopeptides. Analytical and Bioanalytical Chemistry, 2017, 409, 1607-1614.	3.7	31
121	Magnetic metal-organic frameworks containing abundant carboxylic groups for highly effective enrichment of glycopeptides in breast cancer serum. Talanta, 2019, 204, 446-454.	5.5	31
122	Analysis of the volatile constituents ofApium graveolens L. andOenanthe L. by gas chromatography-mass spectrometry, using headspace solid-phase microextraction. Chromatographia, 2003, 57, 805-809.	1.3	29
123	Rapid determination of acetone in human blood by derivatization with pentafluorobenzyl hydroxylamine followed by headspace liquid-phase microextraction and gas chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 647-653.	1.5	29
124	Selective enrichment of glycopeptides/phosphopeptides using Fe 3 O 4 @Au-B(OH) 2 @mTiO 2 core-shell microspheres. Talanta, 2017, 166, 154-161.	5.5	29
125	Sulfonic acid-based metal organic framework functionalized magnetic nanocomposite combined with gas chromatography-electron capture detector for extraction and determination of organochlorine. Chinese Chemical Letters, 2020, 31, 1843-1846.	9.0	29
126	Design and synthesis of magnetic binary metal oxides nanocomposites through dopamine chemistry for highly selective enrichment of phosphopeptides. Proteomics, 2016, 16, 915-919.	2.2	28

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127	Diagnosis of congenital adrenal hyperplasia by rapid determination of 17Î±-hydroxyprogesterone in dried blood spots by gas chromatography/mass spectrometry following microwave-assisted silylation. Rapid Communications in Mass Spectrometry, 2005, 19, 2974-2978.	1.5	27
128	A capillary column packed with aÂzirconium(IV)-basedÂorganic framework for enrichment of endogenous phosphopeptides. Mikrochimica Acta, 2018, 185, 562.	5.0	27
129	Immobilization of titanium dioxide/ions on magnetic microspheres for enhanced recognition and extraction of mono- and multi-phosphopeptides. Mikrochimica Acta, 2019, 186, 236.	5.0	27
130	Hydrophilic tripeptide combined with magnetic titania as a multipurpose platform for universal enrichment of phospho- and glycopeptides. Journal of Chromatography A, 2019, 1595, 1-10.	3.7	27
131	Rapid Analysis of the Essential Oil of Acorus tatarinowii Schott by Microwave Distillation, SPME, and GC-MS. Chromatographia, 2006, 63, 591-594.	1.3	26
132	Magnetic metal phenolic networks: expanding the application of a promising nanoprobe to phosphoproteomics research. Chemical Communications, 2020, 56, 11299-11302.	4.1	26
133	Gas chromatography-mass spectrometry with solid-phase microextraction method for determination of methyl salicylate and other volatile compounds in leaves of Lycopersicon esculentum. Analytical and Bioanalytical Chemistry, 2004, 378, 518-522.	3.7	25
134	Facile Synthesis of Boronic Acid-Functionalized Magnetic Mesoporous Silica Nanocomposites for Highly Specific Enrichment of Glycopeptides. Chinese Journal of Chemistry, 2011, 29, 835-839.	4.9	25
135	Immobilized metal ion affinity chromatography ZipTip pipette tip with polydopamine modification and Ti 4+ immobilization for selective enrichment and isolation of phosphopeptides. Talanta, 2015, 143, 464-468.	5.5	25
136	Preparation of a TiO2-NH2 modified MALDI plate for on-plate simultaneous enrichment of phosphopeptides and glycopeptides. Talanta, 2017, 175, 427-434.	5.5	25
137	A rational route to hybrid aptamer-molecularly imprinted magnetic nanoprobe for recognition of protein biomarkers in human serum. Analytica Chimica Acta, 2020, 1128, 1-10.	5.4	25
138	Determination of the volatile constituents of ChineseCoriandrum sativum L. by gas chromatographyâ€"Mass spectrometry with solid-phase microextraction. Chromatographia, 2003, 57, 357-361.	1.3	24
139	High efficiency enrichment of low-abundance peptides by novel dual-platform graphene@SiO2@PMMA. Nanoscale, 2012, 4, 6948.	5.6	24
140	Inherently hydrophilic mesoporous channel coupled with metal oxide for fishing endogenous salivary glycopeptides and phosphopeptides. Chinese Chemical Letters, 2022, 33, 4695-4699.	9.0	24
141	Rapid determination of C6-aldehydes in tomato plant emission by gas chromatography-mass spectrometry and solid-phase microextraction with on-fiber derivatization. Journal of Separation Science, 2005, 28, 172-176.	2.5	23
142	Designed synthesis of carbon-functional magnetic graphene mesoporous silica materials using polydopamine as carbon precursor for the selective enrichment of N-linked glycan. Talanta, 2016, 148, 439-443.	5.5	23
143	Metal organic frameworks as advanced extraction adsorbents for separation and analysis in proteomics and environmental research. Science China Chemistry, 2022, 65, 650-677.	8.2	23
144	A Novel Miniaturized Flame Ionization Detector for Portable Gas Chromatography. Journal of Chromatographic Science, 2005, 43, 355-357.	1.4	22

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