

Chun-Hui Deng

List of Publications by Year in descending order

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Version: 2024-02-01

216
papers

11,109
citations

31974

53
h-index

40976

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 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.	13.7	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.	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 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.	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	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
10	Functionalized magnetic nanoparticles for sample preparation in proteomics and peptidomics analysis. <i>Chemical Society Reviews</i> , 2013, 42, 8517.	38.1	146
11	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.	3.7	136
12	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.	4.1	134
13	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.	3.7	133
14	Facile synthesis of aminophenylboronic acid-functionalized magnetic nanoparticles for selective separation of glycopeptides and glycoproteins. <i>Chemical Communications</i> , 2008, , 5577.	4.1	130
15	Hydrophilic Mesoporous Silica Materials for Highly Specific Enrichment of N-Linked Glycopeptide. <i>Analytical Chemistry</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Chemical Communications</i> , 2012, 48, 2418.	4.1	112
18	On-line 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

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19	Rational synthesis of novel recyclable Fe ₃ O ₄ @MOF nanocomposites for enzymatic digestion. <i>Chemical Communications</i> , 2015, 51, 8116-8119.	4.1	107
20	Hydrophilic tripeptide-functionalized magnetic metal-organic frameworks for the highly efficient enrichment of N-linked glycopeptides. <i>Nanoscale</i> , 2018, 10, 12149-12155.	5.6	99
21	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.	3.1	98
22	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
23	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
24	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
25	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
26	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.	3.7	85
27	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
28	Integrated Proteome Analysis Device for Fast Single-Cell Protein Profiling. <i>Analytical Chemistry</i> , 2018, 90, 14003-14010.	6.5	84
29	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
30	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
31	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.	8.0	77
32	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.	8.0	77
33	Glucose-6-Phosphate-Functionalized Magnetic Microsphere as Novel Hydrophilic Probe for Specific Capture of N-Linked Glycopeptides. <i>Analytical Chemistry</i> , 2017, 89, 11151-11158.	6.5	76
34	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.	21.0	73
35	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.	8.0	72
36	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

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37	Advanced nanomaterials as sample technique for bio-analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 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. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1715-1720.	1.5	65
39	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
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. <i>Journal of Materials Chemistry</i> , 2012, 22, 20778.	6.7	64
41	Nanomaterials in Proteomics. <i>Advanced Functional Materials</i> , 2019, 29, 1900253.	14.9	64
42	Magnetic Binary Metal-Organic Framework As a Novel Affinity Probe for Highly Selective Capture of Endogenous Phosphopeptides. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4382-4389.	6.7	63
43	Advances in hydrophilic nanomaterials for glycoproteomics. <i>Chemical Communications</i> , 2019, 55, 10359-10375.	4.1	62
44	Functionalized magnetic nanomaterials as solid-phase extraction adsorbents for organic pollutants in environmental analysis. <i>Analytical Methods</i> , 2014, 6, 7130.	2.7	60
45	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
46	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.	5.5	60
47	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.	8.0	60
48	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
49	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
50	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.	3.7	58
51	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
52	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.	2.2	57
53	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
54	Highly efficient enrichment of phosphopeptides by a magnetic lanthanide metal-organic framework. <i>Talanta</i> , 2016, 159, 1-6.	5.5	55

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55	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
56	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
57	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
58	Recent advances in metal-organic frameworks for separation and enrichment in proteomics analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 66-80.	11.4	53
59	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
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. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2558-2564.	1.5	51
61	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
62	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
63	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.	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. <i>Food Chemistry</i> , 2018, 239, 612-621.	8.2	50
65	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
66	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.	2.2	49
67	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.	5.4	49
68	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.	8.0	49
69	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
70	Magnetic Binary Metal Oxides Affinity Probe for Highly Selective Enrichment of Phosphopeptides. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11775-11782.	8.0	48
71	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.	8.0	47
72	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

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73	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
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. <i>Mikrochimica Acta</i> , 2019, 186, 159.	5.0	47
75	A hydrophilic magnetic MOF for the consecutive enrichment of exosomes and exosomal phosphopeptides. <i>Chemical Communications</i> , 2020, 56, 13999-14002.	4.1	47
76	Headspace single-drop microextraction with in-drop derivatization for aldehyde analysis. <i>Journal of Separation Science</i> , 2005, 28, 2301-2305.	2.5	46
77	Facile synthesis of superparamagnetic Fe ₃ O ₄ @Au nanoparticles for photothermal destruction of cancer cells. <i>Chemical Communications</i> , 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. <i>Journal of Chromatography A</i> , 2014, 1325, 65-71.	3.7	46
79	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
80	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
81	Facile synthesis of magnetic poly(styrene-co-vinylbenzene-boronic acid) microspheres for selective enrichment of glycopeptides. <i>Proteomics</i> , 2015, 15, 2158-2165.	2.2	45
82	Development of immobilized Sn ⁴⁺ affinity chromatography material for highly selective enrichment of phosphopeptides. <i>Proteomics</i> , 2016, 16, 2733-2741.	2.2	45
83	Smart Hydrophilic Modification of Magnetic Mesoporous Silica with Zwitterionic -Cysteine for Endogenous Glycopeptides Recognition. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2844-2851.	6.7	45
84	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.	3.7	44
85	Facile synthesis of hydrophilic magnetic graphene@metal-organic framework for highly selective enrichment of phosphopeptides. <i>RSC Advances</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Talanta</i> , 2018, 190, 298-312.	5.5	44
88	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
89	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.	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 in <i>Ligusticum chuanxiong</i> and <i>Angelica sinensis</i> . <i>Journal of Separation Science</i> , 2005, 28, 1237-1243.	2.5	41

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91	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.	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. <i>Rapid Communications in Mass Spectrometry</i> , 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 chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 792, 261-268.	2.3	39
94	Application of HS-SPME and GC-MS to Characterization of Volatile Compounds Emitted from Osmanthus Flowers. <i>Annali Di Chimica</i> , 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 chromatography-mass spectrometry. <i>Talanta</i> , 2005, 68, 6-11.	5.5	39
96	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.	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. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21068-21073.	3.1	39
98	An aptamer based on-plate microarray for high-throughput insulin detection by MALDI-TOF MS. <i>Chemical Communications</i> , 2012, 48, 2689.	4.1	39
99	Rapid synthesis of titanium(IV)-immobilized magnetic mesoporous silica nanoparticles for endogenous phosphopeptides enrichment. <i>Proteomics</i> , 2017, 17, 1600320.	2.2	39
100	Magnetic microspheres modified with Ti(IV) and Nb(V) for enrichment of phosphopeptides. <i>Mikrochimica Acta</i> , 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. <i>Talanta</i> , 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. <i>Talanta</i> , 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. <i>Analytica Chimica Acta</i> , 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 chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Talanta</i> , 2018, 179, 377-385.	5.5	35
107	Recent advances in nanomaterials for sample pre-treatment in phosphoproteomics research. <i>TrAC - Trends in Analytical Chemistry</i> , 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. <i>Talanta</i> , 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. <i>Rapid Communications in Mass Spectrometry</i> , 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. <i>Talanta</i> , 2014, 129, 282-289.	5.5	34
111	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.	14.9	34
112	Rapid Determination of Volatile Compounds Emitted from <i>Chimonanthus praecox</i> Flowers by HS-SPME-GC-MS. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004, 59, 636-640.	1.4	33
113	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.	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. <i>Talanta</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 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. <i>Analytica Chimica Acta</i> , 2019, 1079, 111-119.	5.4	33
117	Hydrophilic polydopamine-derived mesoporous channels for loading Ti(IV) ions for salivary phosphoproteome research. <i>Analytica Chimica Acta</i> , 2021, 1146, 53-60.	5.4	33
118	Polydopamine-coated eppendorf tubes for Ti ⁴⁺ immobilization for selective enrichment of phosphopeptides. <i>Talanta</i> , 2014, 127, 88-93.	5.5	32
119	Recent advances in nanoporous materials as sample preparation techniques for peptidome research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115658.	11.4	32
120	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.	3.7	31
121	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
122	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.	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. <i>Rapid Communications in Mass Spectrometry</i> , 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. <i>Talanta</i> , 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. <i>Chinese Chemical Letters</i> , 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. <i>Proteomics</i> , 2016, 16, 915-919.	2.2	28

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127	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.	1.5	27
128	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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