Chunhui Deng

List of Publications by Year
in descending order

299 papers	15,893 citations	15504 65 h-index	29157 104 g-index
303 all docs	303 docs citations	303 times ranked	12633 citing authors

#	Article	IF	Citations
1	Specific enrichment of urinary exosomes and exosomal glycopeptides by coefficient affinity of integrated l-cysteine and titania. Chinese Chemical Letters, 2023, 34, 107352.	9.0	9
2	Simultaneous analysis of cellular glycoproteome and phosphoproteome in cervical carcinoma by one-pot specific enrichment. Analytica Chimica Acta, 2022, 1195, 338693.	5.4	12
3	Amphiphilic copolymers grafted on monodisperse magnetic microspheres as an efficient adsorbent for the extraction of safrole in the plasma. Journal of Chromatography A, 2022, 1662, 462733.	3.7	4
4	Investigation of Urinary Exosome Metabolic Patterns in Membranous Nephropathy by Titaniaâ€Assisted Intact Exosome Mass Spectrometry. Small Science, 2022, 2, .	9.9	8
5	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
6	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
7	Functionalized nanomaterials in separation and analysis of extracellular vesicles and their contents. TrAC - Trends in Analytical Chemistry, 2022, 153, 116652.	11.4	8
8	Precise Detection of Cataracts with Specific Highâ€Risk Factors by Layered Binary Coâ€Ionizers Assisted Aqueous Humor Metabolic Analysis. Advanced Science, 2022, 9, .	11.2	10
9	In Vitro Diagnostic Examination and Prognosis Surveillance by Hierarchical Heterojunction-Assisted Metabolic Analysis. Analytical Chemistry, 2022, 94, 10497-10505.	6.5	7
10	Rapid isolation and proteome analysis of urinary exosome based on double interactions of Fe3O4@TiO2-DNA aptamer. Talanta, 2021, 221, 121571.	5.5	43
11	Hydrophilic polydopamine-derived mesoporous channels for loading Ti(IV) ions for salivary phosphoproteome research. Analytica Chimica Acta, 2021, 1146, 53-60.	5.4	33
12	Specific enrichment and glycosylation discrepancy profiling of cellular exosomes using a dual-affinity probe. Chemical Communications, 2021, 57, 6249-6252.	4.1	21
13	Simultaneous Application of Nanomaterials to Separation of Phosphorylated and Glycosylated Proteins. Nanostructure Science and Technology, 2021, , 297-323.	0.1	0
14	Application of Nanomaterials to Separation of Phosphorylated Proteins. Nanostructure Science and Technology, 2021, , 79-178.	0.1	0
15	Magnetic porous carbon-dependent platform for the determination of N-glycans from urine exosomes. Mikrochimica Acta, 2021, 188, 66.	5.0	16
16	Advanced nanomaterials as sample technique for bio-analysis. TrAC - Trends in Analytical Chemistry, 2021, 135, 116168.	11.4	70
17	Advances in aptamer-based nanomaterials for separation and analysis of non-genetic biomarkers in biofluids. Science China Chemistry, 2021, 64, 932-947.	8.2	12
18	Magnetic metal oxide affinity chromatography-based molecularly imprinted approach for effective separation of serous and urinary phosphoprotein biomarker. Talanta, 2021, 226, 122143.	5.5	12

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19	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
20	Enhanced specificity of bimetallic ions via mesoporous confinement for phosphopeptides in human saliva. Talanta, 2021, 233, 122587.	5.5	10
21	One-step fabrication of strongly hydrophilic mesoporous silica for comprehensive analysis of serum glycopeptidome. Talanta, 2021, 234, 122713.	5.5	11
22	Application of Nanomaterials to Separation of Low-Abundance Proteins. Nanostructure Science and Technology, 2021, , 37-77.	0.1	0
23	Application of Nanomaterials to Separation of Glycosylated Proteins. Nanostructure Science and Technology, 2021, , 179-296.	0.1	0
24	Application of Nanomaterials to Separation of Endogenous Peptides. Nanostructure Science and Technology, 2021, , 325-418.	0.1	0
25	An Overview of Proteomics and Related Nanomaterials. Nanostructure Science and Technology, 2021, , 1-35.	0.1	0
26	Probing serum N-glycan patterns for rapid and precise detection of Crohn's disease. Chemical Communications, 2021, 57, 11362-11365.	4.1	6
27	Fast determination of aristolochic acid I (AAI) in traditional Chinese medicine soup with magnetic solid-phase extraction by high performance liquid chromatography. Journal of Chromatography A, 2020, 1609, 460455.	3.7	13
28	Magnetic mesoporous silica of loading copper metal ions for enrichment and LC-MS/MS analysis of salivary endogenous peptides. Talanta, 2020, 207, 120313.	5.5	15
29	One-pot preparation of hydrophilic citric acid-magnetic nanoparticles for identification of glycopeptides in human saliva. Talanta, 2020, 206, 120178.	5.5	22
30	Preparation of zwitterionic cysteine-modified silica microsphere capillary packed columns for the on-column enrichment and analysis of glycopeptides in human saliva. Analytica Chimica Acta, 2020, 1096, 1-8.	5.4	11
31	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
32	Synthesis of magnetic coreâ€“shell Fe₃O₄@PDA@Cu-MOFs composites for enrichment of microcystin-LR by MALDI-TOF MS analysis. RSC Advances, 2020, 10, 29061-29067.	3.6	6
33	Recognition of urinary N-linked glycopeptides in kidney cancer patients by hydrophilic carbohydrate functionalized magnetic metal organic framework combined with LC-MS/MS. Mikrochimica Acta, 2020, 187, 616.	5.0	12
34	Magnetic metal phenolic networks: expanding the application of a promising nanoprobe to phosphoproteomics research. Chemical Communications, 2020, 56, 11299-11302.	4.1	26
35	Boric-acid-modified Fe3O4@PDA@UiO-66 for enrichment and detection of glucose by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Analytical and Bioanalytical Chemistry, 2020, 412, 8083-8092.	3.7	16
36	Dual metal cations coated magnetic mesoporous silica probe for highly selective capture of endogenous phosphopeptides in biological samples. Mikrochimica Acta, 2020, 187, 400.	5.0	14

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37	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
38	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
39	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
40	Fabrication of functionalized magnetic microspheres based on monodispersed polystyrene for quantitation of allyl-benzodioxoles coupled with gas chromatography and mass spectrometry. Journal of Chromatography A, 2019, 1607, 460402.	3.7	15
41	Advances in hydrophilic nanomaterials for glycoproteomics. Chemical Communications, 2019, 55, 10359-10375.	4.1	62
42	Aptamer-functionalized magnetic metal organic framework as nanoprobe for biomarkers in human serum. Analytica Chimica Acta, 2019, 1087, 69-75.	5.4	17
43	Recent advances in nanomaterials for sample pre-treatment in phosphoproteomics research. TrAC - Trends in Analytical Chemistry, 2019, 120, 115655.	11.4	35
44	Recent advances in nanoporous materials as sample preparation techniques for peptidome research. TrAC - Trends in Analytical Chemistry, 2019, 120, 115658.	11.4	32
45	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
46	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
47	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
48	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
49	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
50	Nanomaterials in Proteomics. Advanced Functional Materials, 2019, 29, 1900253.	14.9	64
51	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
52	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
53	Fabrication of hydrophilic multilayer magnetic probe for salivary glycopeptidome analysis. Journal of Chromatography A, 2019, 1587, 24-33.	3.7	19
54	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

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55	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. Talanta, 2019, 194, 329-335.	5.5	22
56	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
57	Synthesis of zwitterionic hydrophilic magnetic mesoporous silica materials for endogenous glycopeptide analysis in human saliva. Nanoscale, 2018, 10, 5335-5341.	5.6	49
58	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
59	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
60	Hydrophilic probe in mesoporous pore for selective enrichment of endogenous glycopeptides in biological samples. Analytica Chimica Acta, 2018, 1024, 84-92.	5.4	46
61	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
62	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
63	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
64	A capillary column packed with aÂzirconium(IV)-basedÂorganic framework for enrichment of endogenous phosphopeptides. Mikrochimica Acta, 2018, 185, 562.	5.0	27
65	The synthesis of Zr-metal-organic framework functionalized magnetic graphene nanocomposites as an adsorbent for fast determination of multi-pesticide residues in tobacco samples. Journal of Chromatography A, 2018, 1577, 1-7.	3.7	19
66	Magnetic microspheres modified with Ti(IV) and Nb(V) for enrichment of phosphopeptides. Mikrochimica Acta, 2018, 185, 309.	5.0	38
67	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
68	Preparation of iminodiacetic acid functionalized silica capillary trap column for on-column selective enrichment of N-linked glycopeptides. Talanta, 2018, 188, 499-506.	5.5	14
69	Recent advances in mesoporous materials for sample preparation in proteomics research. TrAC - Trends in Analytical Chemistry, 2018, 99, 88-100.	11.4	50
70	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
71	Rapid synthesis of titanium(IV)â€immobilized magnetic mesoporous silica nanoparticles for endogenous phosphopeptides enrichment. Proteomics, 2017, 17, 1600320.	2.2	39
72	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

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73	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
74	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
75	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
76	Hydrophilic Mesoporous Silica Materials for Highly Specific Enrichment of N-Linked Glycopeptide. Analytical Chemistry, 2017, 89, 1764-1771.	6.5	122
77	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
78	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
79	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
80	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
81	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
82	Facile synthesis of Cu2+-modified mesoporous silica-coated magnetic graphene composite for enrichment of microcystin-LR followed by mass spectrometry analysis. Talanta, 2016, 154, 183-189.	5.5	15
83	Porous anatase TiO2 derived from a titanium metalâ€“organic framework as a multifunctional phospho-oriented nanoreactor integrating accelerated digestion of proteins and in situ enrichment. RSC Advances, 2016, 6, 51670-51674.	3.6	14
84	Ultrasensitive enrichment of phosphopeptides with Ti4+ immobilized SiO2 graphene-like multilayer nanosheets. Analyst, The, 2016, 141, 3421-3427.	3.5	14
85	A novel double-component MOAC honeycomb composite with pollen grains as a template for phosphoproteomics research. Talanta, 2016, 154, 141-149.	5.5	18
86	Development of immobilized Sn⁴⁺ affinity chromatography material for highly selective enrichment of phosphopeptides. Proteomics, 2016, 16, 2733-2741.	2.2	45
87	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
88	A novel protocol for enzymatic digestion based on covalent binding by protein immobilization. Analytical and Bioanalytical Chemistry, 2016, 408, 8437-8445.	3.7	2
89	Designed synthesis of fluorousâ€functionalized magnetic mesoporous microspheres for specific enrichment of phosphopeptides with fluorous derivatization. Proteomics, 2016, 16, 1051-1058.	2.2	18
90	Highly efficient enrichment of phosphopeptides by a magnetic lanthanide metal-organic framework. Talanta, 2016, 159, 1-6.	5.5	55

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91	Fluorous modified magnetic mesoporous silica composites-incorporated fluorous solid-phase extraction for the specific enrichment of N-linked glycans with simultaneous exclusion of proteins. Talanta, 2016, 159, 111-116.	5.5	22
92	Synthesis of bifunctional TiO2@SiO2-B(OH)2@Fe3O4@TiO2 sandwich-like nanosheets for sequential selective enrichment of phosphopeptides and glycopeptides for mass spectrometric analysis. Analytical and Bioanalytical Chemistry, 2016, 408, 5489-5497.	3.7	17
93	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
94	Preparation of C18-functionalized magnetic polydopamine microspheres for the enrichment and analysis of alkylphenols in water samples. Talanta, 2016, 148, 387-392.	5.5	21
95	Preparation of Ti4+-immobilized modified silica capillary trapping column for on-line selective enrichment of phosphopeptides. Talanta, 2016, 153, 285-294.	5.5	17
96	Integrated system for extraction, purification, and digestion of membrane proteins. Analytical and Bioanalytical Chemistry, 2016, 408, 3495-3502.	3.7	3
97	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
98	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
99	Development of Hf 4+ -immobilized polydopamine-coated magnetic graphene for highly selective enrichment of phosphopeptides. Talanta, 2016, 149, 91-97.	5.5	43
100	A novel method to isolate protein N-terminal peptides from proteome samples using sulfydryl tagging and gold-nanoparticle-based depletion. Analytical and Bioanalytical Chemistry, 2016, 408, 441-448.	3.7	13
101	Highly selective enrichment of baicalin in rat plasma by boronic acid-functionalized coreâ€“shell magnetic microspheres: Validation and application to a pharmacokinetic study. Talanta, 2016, 147, 501-509.	5.5	10
102	Membrane protein isolation and identification by covalent binding for proteome research. Proteomics, 2015, 15, 3892-3900.	2.2	5
103	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
104	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
105	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. Talanta, 2015, 135, 81-86.	5.5	19
106	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
107	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
108	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

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109	Rational synthesis of novel recyclable Fe₃O₄@MOF nanocomposites for enzymatic digestion. Chemical Communications, 2015, 51, 8116-8119.	4.1	107
110	Facile synthesis of hydrophilic magnetic graphene@metalâ€“organic framework for highly selective enrichment of phosphopeptides. RSC Advances, 2015, 5, 35361-35364.	3.6	44
111	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
112	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
113	Titanium(IV)-Immobilized Hydrophilic Hierarchically Ordered Macro-/Mesoporous Silica for Fast Enrichment of Phosphopeptides. ChemPlusChem, 2014, 79, 662-666.	2.8	18
114	Synthesis of Polyboronic Acid Functionalized Hierarchically Ordered Macroâ€/Mesoporous Silica for Selective Enrichment of Glycopeptides for Mass Spectrometric Analysis. ChemPlusChem, 2014, 79, 31-34.	2.8	11
115	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
116	Selective enrichment of phosphopeptides by titania nanoparticles coated magnetic carbon nanotubes. Talanta, 2014, 118, 14-20.	5.5	34
117	Hydrophilic polydopamineâ€coated magnetic graphene nanocomposites for highly efficient tryptic immobilization. Proteomics, 2014, 14, 1457-1463.	2.2	25
118	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
119	Synthesis of C₈â€Functionalized Magnetic Graphene with a Polydopamine Coating for the Enrichment of Lowâ€Abundance Peptides. ChemPlusChem, 2014, 79, 359-365.	2.8	14
120	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
121	Functionalized magnetic nanomaterials as solid-phase extraction adsorbents for organic pollutants in environmental analysis. Analytical Methods, 2014, 6, 7130.	2.7	60
122	Magnetic Binary Metal Oxides Affinity Probe for Highly Selective Enrichment of Phosphopeptides. ACS Applied Materials & Interfaces, 2014, 6, 11775-11782.	8.0	48
123	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
124	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
125	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
126	Polydopamine-coated eppendorf tubes for Ti4+ immobilization for selective enrichment of phosphopeptides. Talanta, 2014, 127, 88-93.	5.5	32

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127	Highly Selective Enrichment of N-Linked Glycan by Carbon-Functionalized Ordered Graphene/Mesoporous Silica Composites. Analytical Chemistry, 2014, 86, 2246-2250.	6.5	60
128	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
129	Functionalized magnetic nanoparticles for sample preparation in proteomics and peptidomics analysis. Chemical Society Reviews, 2013, 42, 8517.	38.1	146
130	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
131	Development of microwave-assisted headspace solid-phase microextraction followed by gas chromatography-mass spectrometry for the analysis of phenol in a cigarette pad. Analytical Methods, 2013, 5, 4655.	2.7	4
132	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
133	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
134	Development of magnetic graphene as an adsorbent and matrix for selective enrichment and detection of crotonaldehyde in saliva by MALDI-TOF-MS. Analytical Methods, 2013, 5, 4585.	2.7	15
135	Synthesis of Highly Water-Dispersible Polydopamine-Modified Multiwalled Carbon Nanotubes for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis. ACS Applied Materials & Interfaces, 2013, 5, 7770-7776.	8.0	97
136	Preparation of phenyl group-functionalized magnetic mesoporous silica microspheres for fast extraction and analysis of acetaldehyde in mainstream cigarette smoke by gas chromatographyâ€“mass spectrometry. Talanta, 2013, 115, 427-434.	5.5	15
137	Facile synthesis of titania nanoparticles coated carbon nanotubes for selective enrichment of phosphopeptides for mass spectrometry analysis. Talanta, 2013, 107, 30-35.	5.5	27
138	Facile synthesis of magnetic metal organic frameworks for the enrichment of lowâ€abundance peptides for <scp>MALDI</scp>â€<scp>TOF MS</scp> analysis. Proteomics, 2013, 13, 3387-3392.	2.2	51
139	Facile synthesis of Fe3O4@mesoporous TiO2 microspheres for selective enrichment of phosphopeptides for phosphoproteomics analysis. Talanta, 2013, 105, 20-27.	5.5	44
140	Hierarchically ordered macro/mesoporous alumina nanoreactor with multi-functions in phosphoproteomics. Analytical Methods, 2013, 5, 6572.	2.7	2
141	Monodisperse magnetites anchored onto carbon nanotubes: a platform for cell imaging, magnetic manipulation and enhanced photothermal treatment of tumors. Journal of Materials Chemistry B, 2013, 1, 1939.	5.8	23
142	Facile synthesis of Ti4+-immobilized Fe3O4@polydopamine coreâ€“shell microspheres for highly selective enrichment of phosphopeptides. Chemical Communications, 2013, 49, 5055.	4.1	134
143	Simultaneous Analysis of Organophosphorus Pesticides in Water by Magnetic Solid-Phase Extraction Coupled with GCâ€“MS. Chromatographia, 2013, 76, 535-540.	1.3	72
144	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

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145	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
146	Enrichment and determination of crotonaldehyde using magnetic multiwalled carbon nanotubes as an adsorbent and a matrix for matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2013, 27, 847-850.	1.5	8
147	Highly sensitive MCâ€LR detection by matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry with magnetic mesoporous silica for fast extraction. Rapid Communications in Mass Spectrometry, 2013, 27, 2515-2518.	1.5	5
148	Immobilization of Antibodies on Magnetic Carbonaceous Microspheres for Selective Enrichment of Lysineâ€acetylated Proteins and Peptides. Chinese Journal of Chemistry, 2012, 30, 2549-2555.	4.9	2
149	High efficiency enrichment of low-abundance peptides by novel dual-platform graphene@SiO2@PMMA. Nanoscale, 2012, 4, 6948.	5.6	24
150	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
151	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
152	Highly sensitive thrombin detection by matrix assisted laser desorption ionization-time of flight mass spectrometry with aptamer functionalized coreâ€“shell Fe3O4@C@Au magnetic microspheres. Talanta, 2012, 88, 295-302.	5.5	50
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