

Chun-Hui Deng

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

211 papers	9,290 citations	48 h-index	87 g-index
217 ext. papers	10,263 ext. citations	6.1 avg, IF	6.7 L-index

#	Paper	IF	Citations
211	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, 28-9	16.4	1459
210	Synthesis of Fe ₃ O ₄ @SiO ₂ @PMMA core-shell-shell magnetic microspheres for highly efficient enrichment of peptides and proteins for MALDI-ToF MS analysis. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 607-11	16.4	321
209	Synthesis of Core/Shell Colloidal Magnetic Zeolite Microspheres for the Immobilization of Trypsin. <i>Advanced Materials</i> , 2009 , 21, 1377-1382	24	259
208	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, 4498-510	5.6	156
207	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, 269-77	3.2	151
206	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, 7557-61	16.4	148
205	The design and synthesis of a hydrophilic core-shell-shell structured magnetic metal-organic framework as a novel immobilized metal ion affinity platform for phosphoproteome research. <i>Chemical Communications</i> , 2014 , 50, 6228-31	5.8	141
204	Functionalized magnetic nanoparticles for sample preparation in proteomics and peptidomics analysis. <i>Chemical Society Reviews</i> , 2013 , 42, 8517-39	58.5	135
203	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, 8483-7	7.8	135
202	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, 2526-38	5.6	130
201	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	4.5	129
200	Facile synthesis of aminophenylboronic acid-functionalized magnetic nanoparticles for selective separation of glycopeptides and glycoproteins. <i>Chemical Communications</i> , 2008 , 5577-9	5.8	126
199	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, 269-75	3.2	126
198	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, 5055-7	5.8	125
197	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, 2418-20	5.8	106
196	On-plate-selective enrichment of glycopeptides using boronic acid-modified gold nanoparticles for direct MALDI-QIT-TOF MS analysis. <i>Proteomics</i> , 2009 , 9, 5046-55	4.8	106
195	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	4.5	106

194	Hydrophilic Mesoporous Silica Materials for Highly Specific Enrichment of N-Linked Glycopeptide. <i>Analytical Chemistry</i> , 2017 , 89, 1764-1771	7.8	98
193	Facile Synthesis of Mercaptophenylboronic Acid-Functionalized Core-Shell Structure Fe ₃ O ₄ @Magnetic Microspheres for Selective Enrichment of Glycopeptides and Glycoproteins. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9221-9226	3.8	96
192	Rational synthesis of novel recyclable Fe ₃ O ₄ @MOF nanocomposites for enzymatic digestion. <i>Chemical Communications</i> , 2015 , 51, 8116-9	5.8	91
191	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, 407-13	3.2	83
190	Preparation of magnetic graphene @polydopamine @Zr-MOF material for the extraction and analysis of bisphenols in water samples. <i>Talanta</i> , 2015 , 144, 1329-35	6.2	82
189	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, 149-55	4.5	78
188	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, 115-20	4.5	76
187	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	3.2	76
186	Recent developments in sample preparation techniques for chromatography analysis of traditional Chinese medicines. <i>Journal of Chromatography A</i> , 2007 , 1153, 90-6	4.5	75
185	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, 11799-804	9.5	72
184	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, 13104-12	9.5	72
183	A Facile Synthesis Approach to C8-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	24	72
182	Designed synthesis of MOF-derived magnetic nanoporous carbon materials for selective enrichment of glycans for glycomics analysis. <i>Nanoscale</i> , 2015 , 7, 6487-91	7.7	71
181	Hydrophilic tripeptide-functionalized magnetic metal-organic frameworks for the highly efficient enrichment of N-linked glycopeptides. <i>Nanoscale</i> , 2018 , 10, 12149-12155	7.7	71
180	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, 7330-4	9.5	68
179	Concanavalin A-immobilized magnetic nanoparticles for selective enrichment of glycoproteins and application to glycoproteomics in hepatocellular carcinoma cell line. <i>Proteomics</i> , 2010 , 10, 2000-14	4.8	64
178	On-demand CO release for amplification of chemotherapy by MOF functionalized magnetic carbon nanoparticles with NIR irradiation. <i>Biomaterials</i> , 2019 , 195, 51-62	15.6	62
177	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	7.8	57

176	Highly selective enrichment of N-linked glycan by carbon-functionalized ordered graphene/mesoporous silica composites. <i>Analytical Chemistry</i> , 2014 , 86, 2246-50	7.8	57
175	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, 1715-20	2.2	57
174	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		56
173	Integrated Proteome Analysis Device for Fast Single-Cell Protein Profiling. <i>Analytical Chemistry</i> , 2018 , 90, 14003-14010	7.8	56
172	Simultaneous Analysis of Organophosphorus Pesticides in Water by Magnetic Solid-Phase Extraction Coupled with GC/MS. <i>Chromatographia</i> , 2013 , 76, 535-540	2.1	55
171	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	8.3	53
170	Phosphate-functionalized magnetic microspheres for immobilization of Zr(4+) ions for selective enrichment of the phosphopeptides. <i>Journal of Chromatography A</i> , 2010 , 1217, 2606-17	4.5	53
169	Selective separation and enrichment of peptides for MS analysis using the microspheres composed of Fe ₃ O ₄ @nSiO ₂ core and perpendicularly aligned mesoporous SiO ₂ shell. <i>Proteomics</i> , 2010 , 10, 930-9	4.8	53
168	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, 193-8	4.5	52
167	Functionalized magnetic nanomaterials as solid-phase extraction adsorbents for organic pollutants in environmental analysis. <i>Analytical Methods</i> , 2014 , 6, 7130	3.2	51
166	Highly efficient enrichment of phosphopeptides by a magnetic lanthanide metal-organic framework. <i>Talanta</i> , 2016 , 159, 1-6	6.2	50
165	Metal oxide affinity chromatography platform-polydopamine coupled functional two-dimensional titania graphene nanohybrid for phosphoproteome research. <i>Analytical Chemistry</i> , 2014 , 86, 4327-32	7.8	49
164	Preparation of sandwich-structured graphene/mesoporous silica composites with C8-modified pore wall for highly efficient selective enrichment of endogenous peptides for mass spectrometry analysis. <i>Proteomics</i> , 2012 , 12, 2784-91	4.8	49
163	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	4.5	48
162	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, 2558-64	2.2	48
161	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, 235-40	3.2	48
160	Highly efficient and selective enrichment of glycopeptides using easily synthesized magG/PDA/Au/I-Cys composites. <i>Proteomics</i> , 2016 , 16, 1311-20	4.8	47
159	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, 1892-900	7.7	47

158	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	6.2	47
157	Headspace single-drop microextraction with in-drop derivatization for aldehyde analysis. <i>Journal of Separation Science</i> , 2005 , 28, 2301-5	3.4	46
156	Designed synthesis of a "One for Two" hydrophilic magnetic amino-functionalized metal-organic framework for highly efficient enrichment of glycopeptides and phosphopeptides. <i>Scientific Reports</i> , 2017 , 7, 1162	4.9	45
155	Hydrophilic Nb ₂ O 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	6.6	45
154	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, 8451-6	9.5	44
153	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	4.5	44
152	Magnetic binary metal oxides affinity probe for highly selective enrichment of phosphopeptides. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11775-82	9.5	44
151	Facile synthesis of magnetic poly(styrene-co-4-vinylbenzene-boronic acid) microspheres for selective enrichment of glycopeptides. <i>Proteomics</i> , 2015 , 15, 2158-65	4.8	44
150	Facile synthesis of superparamagnetic Fe ₃ O ₄ @Au nanoparticles for photothermal destruction of cancer cells. <i>Chemical Communications</i> , 2011 , 47, 11692-4	5.8	44
149	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, 326-31	3.5	44
148	Development of magnetic graphene @hydrophilic polydopamine for the enrichment and analysis of phthalates in environmental water samples. <i>Talanta</i> , 2015 , 132, 753-9	6.2	43
147	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	4.5	43
146	Designed synthesis of titania nanoparticles coated hierarchially ordered macro/mesoporous silica for selective enrichment of phosphopeptides. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5467-71	9.5	43
145	Facile synthesis of hydrophilic magnetic graphene@metal-organic framework for highly selective enrichment of phosphopeptides. <i>RSC Advances</i> , 2015 , 5, 35361-35364	3.7	42
144	Facile synthesis of FeO@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	6.2	42
143	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, 182-93	4.5	41
142	Synthesis of zwitterionic hydrophilic magnetic mesoporous silica materials for endogenous glycopeptide analysis in human saliva. <i>Nanoscale</i> , 2018 , 10, 5335-5341	7.7	40
141	Recent advances in metal-organic frameworks for separation and enrichment in proteomics analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 110, 66-80	14.6	40

140	Hydrophilic probe in mesoporous pore for selective enrichment of endogenous glycopeptides in biological samples. <i>Analytica Chimica Acta</i> , 2018 , 1024, 84-92	6.6	39
139	Recent advances in mesoporous materials for sample preparation in proteomics research. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 99, 88-100	14.6	39
138	Development of immobilized Sn affinity chromatography material for highly selective enrichment of phosphopeptides. <i>Proteomics</i> , 2016 , 16, 2733-2741	4.8	38
137	Facile synthesis of 4-mercaptophenylboronic acid functionalized gold nanoparticles for selective enrichment of glycopeptides. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 3493-500	2.2	38
136	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, 2227-34	2.2	38
135	Nanomaterials in Proteomics. <i>Advanced Functional Materials</i> , 2019 , 29, 1900253	15.6	37
134	Facile preparation of magnetic graphene double-sided mesoporous composites for the selective enrichment and analysis of endogenous peptides. <i>Proteomics</i> , 2013 , 13, 2243-50	4.8	37
133	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	7.7	36
132	Rapid determination of panaxynol in a traditional Chinese medicine of <i>Saposhnikovia divaricata</i> by pressurized hot water extraction followed by liquid-phase microextraction and gas chromatography-mass spectrometry. <i>Talanta</i> , 2005 , 68, 6-11	6.2	36
131	Rapid synthesis of titanium(IV)-immobilized magnetic mesoporous silica nanoparticles for endogenous phosphopeptides enrichment. <i>Proteomics</i> , 2017 , 17, 1600320	4.8	35
130	An aptamer based on-plate microarray for high-throughput insulin detection by MALDI-TOF MS. <i>Chemical Communications</i> , 2012 , 48, 2689-91	5.8	35
129	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	2.8	35
128	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, 1237-43	3.4	35
127	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	5.8	34
126	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	8.5	34
125	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	6.2	34
124	Development of Hf(4+)-immobilized polydopamine-coated magnetic graphene for highly selective enrichment of phosphopeptides. <i>Talanta</i> , 2016 , 149, 91-97	6.2	34
123	Advances in hydrophilic nanomaterials for glycoproteomics. <i>Chemical Communications</i> , 2019 , 55, 10359-10375	10.75	34

122	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, 261-8	3.2	34
121	Smart Hydrophilic Modification of Magnetic Mesoporous Silica with Zwitterionic L-Cysteine for Endogenous Glycopeptides Recognition. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2844-2851	8.3	34
120	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	4.5	33
119	Development of microwave-assisted extraction followed by headspace solid-phase microextraction and gas chromatography-mass spectrometry for quantification of camphor and borneol in Flos Chrysanthemi Indici. <i>Analytica Chimica Acta</i> , 2006 , 575, 120-5	6.6	33
118	Advanced nanomaterials as sample technique for bio-analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 135, 116168	14.6	33
117	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	6.6	32
116	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	6.2	31
115	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	6.2	31
114	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, 282-9	6.2	31
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, 6055-8	16.4	31
112	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, 115-20	3.2	31
111	Magnetic microspheres modified with Ti(IV) and Nb(V) for enrichment of phosphopeptides. <i>Mikrochimica Acta</i> , 2018 , 185, 309	5.8	31
110	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, 1281-7	2.2	30
109	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	6.2	29
108	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	6.2	29
107	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	9.5	28
106	Polydopamine-coated eppendorf tubes for Ti ⁴⁺ immobilization for selective enrichment of phosphopeptides. <i>Talanta</i> , 2014 , 127, 88-93	6.2	28
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	4.5	26

104	Design and synthesis of magnetic binary metal oxides nanocomposites through dopamine chemistry for highly selective enrichment of phosphopeptides. <i>Proteomics</i> , 2016 , 16, 915-9	4.8	26
103	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	4.9	25
102	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, 647-53	2.2	25
101	Diagnosis of congenital adrenal hyperplasia by rapid determination of 17 α -hydroxyprogesterone in dried blood spots by gas chromatography/mass spectrometry following microwave-assisted silylation. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 2974-8	2.2	24
100	Highly selective SiO-NH@TiO hollow microspheres for simultaneous enrichment of phosphopeptides and glycopeptides. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 1607-1614	4.4	23
99	High efficiency enrichment of low-abundance peptides by novel dual-platform graphene@SiO ₂ @PMMA. <i>Nanoscale</i> , 2012 , 4, 6948-50	7.7	23
98	Application of HS-SPME and GC-MS to characterization of volatile compounds emitted from Osmanthus flowers. <i>Annali Di Chimica</i> , 2004 , 94, 921-7		23
97	Selective enrichment of glycopeptides/phosphopeptides using FeO@Au-B(OH) ₃ @mTiO core-shell microspheres. <i>Talanta</i> , 2017 , 166, 154-161	6.2	22
96	Immobilized metal ion affinity chromatography ZipTip pipette tip with polydopamine modification and TiO ₂ immobilization for selective enrichment and isolation of phosphopeptides. <i>Talanta</i> , 2015 , 143, 464-468	6.2	22
95	Rapid Analysis of the Essential Oil of Acorus tatarinowii Schott by Microwave Distillation, SPME, and GC-MS. <i>Chromatographia</i> , 2006 , 63, 591-594	2.1	22
94	Rapid determination of volatile compounds emitted from Chimonanthus praecox flowers by HS-SPME-GC-MS. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004 , 59, 636-40	1.7	22
93	Gas chromatography-mass spectrometry with solid-phase microextraction method for determination of methyl salicylate and other volatile compounds in leaves of Lycopersicon esculentum. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 518-22	4.4	22
92	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	6.6	21
91	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	4.4	21
90	Designed synthesis of carbon-functional magnetic graphene mesoporous silica materials using polydopamine as carbon precursor for the selective enrichment of N-linked glycan. <i>Talanta</i> , 2016 , 148, 439-43	6.2	21
89	Preparation of a TiO-NH modified MALDI plate for on-plate simultaneous enrichment of phosphopeptides and glycopeptides. <i>Talanta</i> , 2017 , 175, 427-434	6.2	21
88	Recent advances in nanoporous materials as sample preparation techniques for peptidome research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115658	14.6	20
87	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	6.2	20

86	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	5.8	20
85	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	6.2	20
84	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	6.2	20
83	Rapid determination of C6-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, 172-6	3.4	20
82	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	6.6	19
81	Preparation of C ₁₈ -functionalized magnetic polydopamine microspheres for the enrichment and analysis of alkylphenols in water samples. <i>Talanta</i> , 2016 , 148, 387-92	6.2	19
80	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	2.1	19
79	A capillary column packed with a zirconium(IV)-based organic framework for enrichment of endogenous phosphopeptides. <i>Mikrochimica Acta</i> , 2018 , 185, 562	5.8	19
78	Recent advances in nanomaterials for sample pre-treatment in phosphoproteomics research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115655	14.6	18
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75	Synthesis of bifunctional TiO ₂ @SiO ₂ -B(OH) ₂ @Fe ₃ O ₄ @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, 5489-97	4.4	17
74	Preparation of Ti(4+)-immobilized modified silica capillary trapping column for on-line selective enrichment of phosphopeptides. <i>Talanta</i> , 2016 , 153, 285-94	6.2	16
73	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, 81-6	6.2	16
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64	Fabrication of hydrophilic multilayer magnetic probe for salivary glycopeptidome analysis. <i>Journal of Chromatography A</i> , 2019 , 1587, 24-33	4.5	15
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53	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	8.1	11
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