

Xiangmin Zhang

List of Publications by Year in Descending Order

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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.

237 papers	11,416 citations	57 h-index	94 g-index
243 ext. papers	12,112 ext. citations	5.4 avg, IF	6.45 L-index

#	Paper	IF	Citations
237	A novel hydrophilic MOFs-303-functionalized magnetic probe for the highly efficient analysis of N-linked glycopeptides.. <i>Journal of Materials Chemistry B</i> , 2022 ,	7.3	1
236	Effective Enrichment Strategy Using Boronic Acid-Functionalized Mesoporous Graphene-Silica Composites for Intact N- and O-Linked Glycopeptide Analysis in Human Serum. <i>Analytical Chemistry</i> , 2021 , 93, 6682-6691	7.8	6
235	Strategy for high-throughput identification of protein complexes by array-based multi-dimensional liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1652, 462351	4.5	4
234	Pollen-like silica nanoparticles as a nanocarrier for tumor targeted and pH-responsive drug delivery. <i>Talanta</i> , 2021 , 231, 122402	6.2	6
233	Microliter-level multi-channel fraction collector for high-throughput separation system. <i>Journal of Chromatography A</i> , 2021 , 1656, 462535	4.5	0
232	Rapid and sensitive detection of and based on bacitracin-modified FeO@PDA magnetic beads combined with matrix-assisted laser desorption ionization-time of flight mass spectrometry. <i>Analytical Methods</i> , 2021 , 13, 2804-2811	3.2	2
231	High Performance Liquid Chromatography-Quadrupole/Time of Flight Tandem Mass Spectrometry for the Characterization of Components in Bacitracin. <i>Chromatographia</i> , 2020 , 83, 647-662	2.1	2
230	Deconstruction of Heterogeneity of Size-Dependent Exosome Subpopulations from Human Urine by Profiling N-Glycoproteomics and Phosphoproteomics Simultaneously. <i>Analytical Chemistry</i> , 2020 , 92, 9239-9246	7.8	27
229	Characterization of Urinary Exosomes Purified with Size Exclusion Chromatography and Ultracentrifugation. <i>Journal of Proteome Research</i> , 2020 , 19, 2217-2225	5.6	25
228	Aminophenylboronic Acid-Functionalized Thorny-Trap-Shaped Monolayer Microarray for Efficient Capture and Release of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2020 , 92, 3403-3408	7.8	8
227	Synergistic integration of FeNi magnetic nanoparticles with graphene-based porous carbon for efficient capture of N-linked glycans. <i>Nanoscale</i> , 2020 , 12, 24188-24195	7.7	2
226	A new strategy of studying protein-protein interactions: Integrated strong anion exchange/reversed-phase chromatography/immunoprecipitation coupled with mass spectrometry for large-scale identification of proteins interact with immunoglobulin G in HeLa cells. <i>Journal of Separation Science</i> , 2020 , 43, 3913-3920	3.4	
225	Core-shell magnetic bimetallic MOF material for synergistic enrichment of phosphopeptides. <i>Talanta</i> , 2020 , 206, 120165	6.2	31
224	Preparation of a thickness-controlled Mg-MOFs-based magnetic graphene composite as a novel hydrophilic matrix for the effective identification of the glycopeptide in the human urine. <i>Nanoscale</i> , 2019 , 11, 3701-3709	7.7	25
223	A rapid and efficient method for N-termini analysis in short-lived proteins. <i>Talanta</i> , 2019 , 204, 367-371	6.2	3
222	Single-cell analysis for proteome and related researches. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115666	14.6	3
221	Transition-metal-free decarboxylative C3-difluoroarylmethylation of quinoxalin-2(1H)-ones with difluoroacetic acids. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 1173-1182	5.2	74

220	Size-dependent sub-proteome analysis of urinary exosomes. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4141-4149	4.4	3
219	Titanium(IV)-functionalized zirconium-organic frameworks as dual-metal affinity probe for recognition of endogenous phosphopeptides prior to mass spectrometric quantification. <i>Mikrochimica Acta</i> , 2019 , 186, 829	5.8	10
218	Investigating the proteomic expression profile of tobacco (<i>Nicotiana tabacum</i>) leaves during four growth stages using the iTRAQ method. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 403-411	4.4	2
217	Facile synthesis of terminal-alkyne bioorthogonal molecules for live -cell surface-enhanced Raman scattering imaging through Au-core and silver/dopamine-shell nanotags. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 2203-2210	4.4	4
216	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
215	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
214	Magnetic capture of polydopamine-encapsulated Hela cells for the analysis of cell surface proteins. <i>Journal of Proteomics</i> , 2018 , 172, 76-81	3.9	10
213	Recent advances in covalent organic frameworks for separation and analysis of complex samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 98-109	14.6	57
212	Integrated Proteome Analysis Device for Fast Single-Cell Protein Profiling. <i>Analytical Chemistry</i> , 2018 , 90, 14003-14010	7.8	56
211	Establishment of a two-dimensional liquid chromatography-tandem mass spectrometry system for detection of four tobacco-specific N-nitrosamines. <i>Analytical Methods</i> , 2017 , 9, 761-767	3.2	11
210	Selective enrichment of glycopeptides/phosphopeptides using FeO@Au-B(OH)@mTiO core-shell microspheres. <i>Talanta</i> , 2017 , 166, 154-161	6.2	22
209	Rapid synthesis of titanium(IV)-immobilized magnetic mesoporous silica nanoparticles for endogenous phosphopeptides enrichment. <i>Proteomics</i> , 2017 , 17, 1600320	4.8	35
208	Design of five-layer gold nanoparticles self-assembled in a liquid open tubular column for ultrasensitive nano-LC-MS/MS proteomic analysis of 80 living cells. <i>Proteomics</i> , 2017 , 17, 1600463	4.8	12
207	Quantitative method for analysis of tobacco-specific N-nitrosamines in mainstream cigarette smoke by using heart-cutting two-dimensional liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2017 , 40, 1920-1927	3.4	10
206	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
205	High-sensitive bioorthogonal SERS tag for live cancer cell imaging by self-assembling core-satellites structure gold-silver nanocomposite. <i>Talanta</i> , 2017 , 172, 176-181	6.2	16
204	Unprecedented highly efficient capture of glycopeptides by FeO@Mg-MOF-74 core-shell nanoparticles. <i>Chemical Communications</i> , 2017 , 53, 4018-4021	5.8	51
203	Functional dual hydrophilic dendrimer-modified metal-organic framework for the selective enrichment of N-glycopeptides. <i>Proteomics</i> , 2017 , 17, e1700005	4.8	26

202	Self-assembling covalent organic framework functionalized magnetic graphene hydrophilic biocomposites as an ultrasensitive matrix for N-linked glycopeptide recognition. <i>Nanoscale</i> , 2017 , 9, 10750-10756	7.7	65
201	Highly efficient enrichment of low-abundance intact proteins by core-shell structured FeO-chitosan@graphene composites. <i>Talanta</i> , 2017 , 174, 845-852	6.2	26
200	A novel carbon material with nanopores prepared using a metal-organic framework as precursor for highly selective enrichment of N-linked glycans. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 431-438	4.4	20
199	Surface-enhanced Raman scattering (SERS) imaging-guided real-time photothermal ablation of target cancer cells using polydopamine-encapsulated gold nanorods as multifunctional agents. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4915-4926	4.4	23
198	Dendrimer-assisted hydrophilic magnetic nanoparticles as sensitive substrates for rapid recognition and enhanced isolation of target tumor cells. <i>Talanta</i> , 2016 , 161, 925-931	6.2	18
197	A novel protocol for enzymatic digestion based on covalent binding by protein immobilization. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 8437-8445	4.4	1
196	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
195	Facile synthesis of hydrophilic polyamidoxime polymers as a novel solid-phase extraction matrix for sequential characterization of glyco- and phosphoproteomes. <i>Analytica Chimica Acta</i> , 2016 , 907, 69-76	6.6	16
194	Array-Based Online Two Dimensional Liquid Chromatography System Applied to Effective Depletion of High-Abundance Proteins in Human Plasma. <i>Analytical Chemistry</i> , 2016 , 88, 2440-5	7.8	19
193	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
192	Integrated system for extraction, purification, and digestion of membrane proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 3495-502	4.4	1
191	A novel method to isolate protein N-terminal peptides from proteome samples using sulfhydryl tagging and gold-nanoparticle-based depletion. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 441-8	4.4	9
190	Laser-assisted proteolysis for accelerating and enhancing protein N-termini analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 1398-402	2.2	3
189	Facile synthesis of thiol and alkynyl contained SERS reporter molecular and its usage in assembly of polydopamine protected bioorthogonal SERS tag for live cell imaging. <i>Talanta</i> , 2016 , 158, 315-321	6.2	15
188	Facile synthesis of Cu(2+)-modified mesoporous silica-coated magnetic graphene composite for enrichment of microcystin-LR followed by mass spectrometry analysis. <i>Talanta</i> , 2016 , 154, 183-9	6.2	11
187	Versatile metal-organic framework-functionalized magnetic graphene nanoporous composites: As deft matrix for high-effective extraction and purification of the N-linked glycans. <i>Analytica Chimica Acta</i> , 2016 , 932, 41-8	6.6	27
186	Ultrasensitive enrichment of phosphopeptides with Ti(4+) immobilized SiO ₂ graphene-like multilayer nanosheets. <i>Analyst, The</i> , 2016 , 141, 3421-7	5	14
185	Functional dendrimer modified ultra-hydrophilic trapping copolymer network towards highly efficient cell capture. <i>Talanta</i> , 2016 , 153, 366-71	6.2	7

184	A novel double-component MOAC honeycomb composite with pollen grains as a template for phosphoproteomics research. <i>Talanta</i> , 2016 , 154, 141-9	6.2	15
183	A high-throughput method for measurement of glycohemoglobin in blood samples utilizing laser-accelerated proteolysis and MALDI-TOF MS. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 1507-15	4.4	5
182	Development of Versatile Metal-Organic Framework Functionalized Magnetic Graphene Core-Shell Biocomposite for Highly Specific Recognition of Glycopeptides. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27482-27489	9.5	54
181	Isolation of acetylated and free N-terminal peptides from proteomic samples based on tresyl-functionalized microspheres. <i>Talanta</i> , 2015 , 144, 122-8	6.2	7
180	Ultrasensitive Proteome Profiling for 100 Living Cells by Direct Cell Injection, Online Digestion and Nano-LC-MS/MS Analysis. <i>Analytical Chemistry</i> , 2015 , 87, 6674-80	7.8	53
179	Multilayer Hydrophilic Poly(phenol-formaldehyde resin)-Coated Magnetic Graphene for Boronic Acid Immobilization as a Novel Matrix for Glycoproteome Analysis. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16011-7	9.5	59
178	An effective and in-situ method based tresyl-functionalized porous polymer material for enrichment and digestion of membrane proteins and its application in extraction tips. <i>Analytica Chimica Acta</i> , 2015 , 880, 77-83	6.6	5
177	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
176	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
175	Facilely synthesized polydopamine encapsulated surface-enhanced Raman scattering (SERS) probes for multiplex tumor associated cell surface antigen detection using SERS imaging. <i>RSC Advances</i> , 2015 , 5, 72369-72372	3.7	19
174	Membrane protein isolation and identification by covalent binding for proteome research. <i>Proteomics</i> , 2015 , 15, 3892-900	4.8	3
173	Applying multiple proteases to direct digestion of hundred-scale cell samples for proteome analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 1389-94	2.2	8
172	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
171	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
170	A rapid and simple method for efficient capture and accurate discrimination of circulating tumor cells using aptamer conjugated magnetic beads and surface-enhanced Raman scattering imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 8883-92	4.4	45
169	Direct digestion of proteins in living cells into peptides for proteomic analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1027-32	4.4	11
168	Efficient Proteolysis of Glycoprotein Using a Hydrophilic Immobilized Enzyme Reactor Coupled with MALDI-QIT-TOF-MS Detection and HPLC Analysis. <i>Chromatographia</i> , 2014 , 77, 413-418	2.1	6
167	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

166	Selective enrichment of phosphopeptides by titania nanoparticles coated magnetic carbon nanotubes. <i>Talanta</i> , 2014 , 118, 14-20	6.2	34
165	Hydrophilic polydopamine-coated magnetic graphene nanocomposites for highly efficient tryptic immobilization. <i>Proteomics</i> , 2014 , 14, 1457-63	4.8	22
164	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
163	Novel nitrocellulose membrane substrate for efficient analysis of circulating tumor cells coupled with surface-enhanced Raman scattering imaging. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 370-6	9.5	54
162	Synthesis of C-Functionalized Magnetic Graphene with a Polydopamine Coating for the Enrichment of Low-Abundance Peptides. <i>ChemPlusChem</i> , 2014 , 79, 359-365	2.8	13
161	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
160	Functionalized magnetic nanomaterials as solid-phase extraction adsorbents for organic pollutants in environmental analysis. <i>Analytical Methods</i> , 2014 , 6, 7130	3.2	51
159	Combination of extraction tip and MALDI-TOF-MS for efficient separation and analysis of cysteine-containing peptides. <i>Science China Chemistry</i> , 2014 , 57, 703-707	7.9	3
158	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
157	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
156	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
155	Polydopamine-coated eppendorf tubes for Ti ⁴⁺ immobilization for selective enrichment of phosphopeptides. <i>Talanta</i> , 2014 , 127, 88-93	6.2	28
154	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
153	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
152	Titanium(IV)-Immobilized Hydrophilic Hierarchically Ordered Macro-/Mesoporous Silica for Fast Enrichment of Phosphopeptides. <i>ChemPlusChem</i> , 2014 , 79, 662-666	2.8	18
151	Functionalized magnetic nanoparticles for sample preparation in proteomics and peptidomics analysis. <i>Chemical Society Reviews</i> , 2013 , 42, 8517-39	58.5	135
150	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
149	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

148	Synthesis of highly water-dispersible polydopamine-modified multiwalled carbon nanotubes for matrix-assisted laser desorption/ionization mass spectrometry analysis. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7770-6	9.5	86
147	Characterization of saccharide using high fluorescent 5-(((2-(carbohydrazino)methyl)thio)acetyl)-aminofluorescein tag by Capillary-HPLC-LIF and MALDI-TOF-MS. <i>Talanta</i> , 2013 , 117, 229-34	6.2	3
146	Facile synthesis of magnetic metal organic frameworks for the enrichment of low-abundance peptides for MALDI-TOF MS analysis. <i>Proteomics</i> , 2013 , 13, 3387-92	4.8	45
145	Open tubular columns with mixed-mode reversed-phase and weak anion-exchange stationary phase for capillary electrochromatography. <i>Journal of Separation Science</i> , 2013 , 36, 1996-2002	3.4	6
144	Facile synthesis of Fe ₃ O ₄ @mesoporous TiO ₂ microspheres for selective enrichment of phosphopeptides for phosphoproteomics analysis. <i>Talanta</i> , 2013 , 105, 20-7	6.2	41
143	Hierarchically ordered macro/mesoporous alumina nanoreactor with multi-functions in phosphoproteomics. <i>Analytical Methods</i> , 2013 , 5, 6572	3.2	2
142	A rapid and simple separation and direct detection of glutathione by gold nanoparticles and graphene-based MALDI-TOF-MS. <i>Journal of Separation Science</i> , 2013 , 36, 629-35	3.4	21
141	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
140	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
139	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
138	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</i> , 2013 , 125, 6171-6174	3.6	1
137	Developing a strong anion exchange/RP (SAX/RP) 2D LC system for high-abundance proteins depletion in human plasma. <i>Proteomics</i> , 2012 , 12, 3451-63	4.8	11
136	Highly sensitive thrombin detection by matrix assisted laser desorption ionization-time of flight mass spectrometry with aptamer functionalized core-shell Fe ₃ O ₄ @C@Au magnetic microspheres. <i>Talanta</i> , 2012 , 88, 295-302	6.2	46
135	An accurate proteomic quantification method: fluorescence labeling absolute quantification (FLAQ) using multidimensional liquid chromatography and tandem mass spectrometry. <i>Proteomics</i> , 2012 , 12, 2258-70	4.8	3
134	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
133	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
132	High throughput detection of tetracycline residues in milk using graphene or graphene oxide as MALDI-TOF MS matrix. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 1424-7	3.5	38
131	Detection of chlorogenic acid in honeysuckle using infrared-assisted extraction followed by capillary electrophoresis with UV detector. <i>Journal of Chromatographic Science</i> , 2012 , 50, 76-80	1.4	18

130	Magnetic nanoparticles-based digestion and enrichment methods in proteomics analysis. <i>Expert Review of Proteomics</i> , 2011 , 8, 379-90	4.2	19
129	A quick analytical method using direct solid sample introduction and GC-ECD for pesticide residues analysis in crops. <i>Talanta</i> , 2011 , 85, 1766-71	6.2	13
128	Preparation of magnetic core mesoporous shell microspheres with C18-modified interior pore-walls for fast extraction and analysis of phthalates in water samples. <i>Journal of Chromatography A</i> , 2011 , 1218, 6232-9	4.5	61
127	Preparation of polypyrrole-coated magnetic particles for micro solid-phase extraction of phthalates in water by gas chromatography-mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2011 , 1218, 1585-91	4.5	145
126	High throughput enzyme inhibitor screening by functionalized magnetic carbonaceous microspheres and graphene oxide-based MALDI-TOF-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 2188-98	3.5	18
125	Development of oleic acid-functionalized magnetite nanoparticles as hydrophobic probes for concentrating peptides with MALDI-TOF-MS analysis. <i>Proteomics</i> , 2011 , 11, 890-7	4.8	26
124	Preparation of magnetic core-mesoporous shell microspheres with C8-modified interior pore-walls and their application in selective enrichment and analysis of mouse brain peptidome. <i>Proteomics</i> , 2011 , 11, 4503-13	4.8	44
123	Graphene and graphene oxide: two ideal choices for the enrichment and ionization of long-chain fatty acids free from matrix-assisted laser desorption/ionization matrix interference. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 3223-34	2.2	63
122	High throughput identification of components from traditional Chinese medicine herbs by utilizing graphene or graphene oxide as MALDI-TOF-MS matrix. <i>Journal of Mass Spectrometry</i> , 2011 , 46, 804-15	2.2	50
121	Preparation of Fe ₃ O ₄ @C@PANI magnetic microspheres for the extraction and analysis of phenolic compounds in water samples by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 2841-7	4.5	119
120	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
119	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
118	Development of multidimensional liquid chromatography and application in proteomic analysis. <i>Expert Review of Proteomics</i> , 2010 , 7, 665-78	4.2	17
117	Thermal expansion pump for capillary high-performance liquid chromatography. <i>Analytical Chemistry</i> , 2010 , 82, 842-7	7.8	10
116	Recent advances in proteolysis and peptide/protein separation by chromatographic strategies. <i>Science China Chemistry</i> , 2010 , 53, 685-694	7.9	5
115	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</i> , 2010 , 122, 617-621	3.6	32
114	Facile Synthesis of Copper(II) Immobilized on Magnetic Mesoporous Silica Microspheres for Selective Enrichment of Peptides for Mass Spectrometry Analysis. <i>Angewandte Chemie</i> , 2010 , 122, 7719-7723	3.6	30
113	Efficient Tryptic Proteolysis Accelerated by Laser Radiation for Peptide Mapping in Proteome Analysis. <i>Angewandte Chemie</i> , 2010 , 122, 8361-8365	3.6	6

112	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
111	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
110	Efficient tryptic proteolysis accelerated by laser radiation for peptide mapping in proteome analysis. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8185-9	16.4	19
109	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
108	Development of mesoporous TiO(2) microspheres with high specific surface area for selective enrichment of phosphopeptides by mass spectrometric analysis. <i>Journal of Chromatography A</i> , 2010 , 1217, 2197-205	4.5	41
107	Intact-protein trapping columns for proteomic analysis in capillary high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2010 , 1217, 6875-81	4.5	7
106	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
105	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
104	Synthesis of Core/Shell Colloidal Magnetic Zeolite Microspheres for the Immobilization of Trypsin. <i>Advanced Materials</i> , 2009 , 21, 1377-1382	24	259
103	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
102	Preparation of C60-functionalized magnetic silica microspheres for the enrichment of low-concentration peptides and proteins for MALDI-TOF MS analysis. <i>Proteomics</i> , 2009 , 9, 380-7	4.8	58
101	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
100	Novel monolithic enzymatic microreactor based on single-enzyme nanoparticles for highly efficient proteolysis and its application in multidimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 7472-7	4.5	26
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