

Chunhui Deng

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300
papers

13,665
citations

62
h-index

98
g-index

303
ext. papers

14,757
ext. citations

5.5
avg, IF

6.86
L-index

#	Paper	IF	Citations
300	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
299	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
298	Synthesis of Core/Shell Colloidal Magnetic Zeolite Microspheres for the Immobilization of Trypsin. <i>Advanced Materials</i> , 2009 , 21, 1377-1382	24	259
297	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
296	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
295	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
294	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
293	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
292	Metabolomic profiling of human urine in hepatocellular carcinoma patients using gas chromatography/mass spectrometry. <i>Analytica Chimica Acta</i> , 2009 , 648, 98-104	6.6	137
291	Functionalized magnetic nanoparticles for sample preparation in proteomics and peptidomics analysis. <i>Chemical Society Reviews</i> , 2013 , 42, 8517-39	58.5	135
290	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
289	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
288	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
287	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
286	Immobilization of trypsin on superparamagnetic nanoparticles for rapid and effective proteolysis. <i>Journal of Proteome Research</i> , 2007 , 6, 3849-55	5.6	126
285	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
284	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

283	Novel approach for the synthesis of Fe ₃ O ₄ @TiO ₂ core-shell microspheres and their application to the highly specific capture of phosphopeptides for MALDI-TOF MS analysis. <i>Chemical Communications</i> , 2008 , 564-6	5.8	125
282	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
281	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
280	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
279	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
278	Fast and efficient proteolysis by microwave-assisted protein digestion using trypsin-immobilized magnetic silica microspheres. <i>Analytical Chemistry</i> , 2008 , 80, 3655-65	7.8	105
277	Metabolomic investigation of gastric cancer tissue using gas chromatography/mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 1385-95	4.4	101
276	Investigation of volatile biomarkers in liver cancer blood using solid-phase microextraction and gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 1181-6	2.2	100
275	Hydrophilic Mesoporous Silica Materials for Highly Specific Enrichment of N-Linked Glycopeptide. <i>Analytical Chemistry</i> , 2017 , 89, 1764-1771	7.8	98
274	Preparation, characterization and application of magnetic silica nanoparticle functionalized multi-walled carbon nanotubes. <i>Chemical Communications</i> , 2005 , 5548-50	5.8	98
273	Facile Synthesis of Mercaptophenylboronic Acid-Functionalized CoreShell 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
272	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
271	Efficient on-chip proteolysis system based on functionalized magnetic silica microspheres. <i>Proteomics</i> , 2007 , 7, 2330-9	4.8	88
270	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
269	GC/MS-based metabolomic approach to validate the role of urinary sarcosine and target biomarkers for human prostate cancer by microwave-assisted derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 635-46	4.4	86
268	Magnetically Responsive Fe ₃ O ₄ @C@SnO ₂ CoreShell Microspheres: Synthesis, Characterization and Application in Phosphoproteomics. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15854-15861	3.8	85
267	Highly selective and rapid enrichment of phosphorylated peptides using gallium oxide-coated magnetic microspheres for MALDI-TOF-MS and nano-LC-ESI-MS/MS/MS analysis. <i>Proteomics</i> , 2008 , 8, 238-49	4.8	85
266	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

265	Gas chromatography-mass spectrometric analysis of hexanal and heptanal in human blood by headspace single-drop microextraction with droplet derivatization. <i>Analytical Biochemistry</i> , 2005 , 342, 318-26	3.1	83
264	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
263	Metabolomic study for diagnostic model of oesophageal cancer using gas chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 3111-7	3.2	81
262	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
261	Fast determination of curcumol, 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
260	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
259	Determination of essential oil in a traditional Chinese medicine, <i>Fructus amomi</i> by pressurized hot water extraction followed by liquid-phase microextraction and gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2005 , 536, 237-244	6.6	76
258	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
257	Cerium ion-chelated magnetic silica microspheres for enrichment and direct determination of phosphopeptides by matrix-assisted laser desorption ionization mass spectrometry. <i>Journal of Proteome Research</i> , 2008 , 7, 1767-77	5.6	74
256	A serum metabolomic investigation on hepatocellular carcinoma patients by chemical derivatization followed by gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 3061-8	2.2	74
255	Development of C18-functionalized magnetic silica nanoparticles as sample preparation technique for the determination of ergosterol in cigarettes by microwave-assisted derivatization and gas chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1198-1199, 27-33	4.5	74
254	Microchip reactor packed with metal-ion chelated magnetic silica microspheres for highly efficient proteolysis. <i>Journal of Proteome Research</i> , 2007 , 6, 2367-75	5.6	73
253	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
252	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
251	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
250	Enrichment of peptides in serum by C(8)-functionalized magnetic nanoparticles for direct matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2008 , 1185, 93-101	4.5	72
249	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
248	Field analysis of benzene, toluene, ethylbenzene and xylene in water by portable gas chromatography-microflame ionization detector combined with headspace solid-phase microextraction. <i>Talanta</i> , 2006 , 69, 894-9	6.2	70

247	Rapid determination of essential oil compounds in <i>Artemisia Selengensis</i> Turcz by gas chromatography-mass spectrometry with microwave distillation and simultaneous solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2006 , 556, 289-294	6.6	69
246	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
245	Facile synthesis of TiO ₂ /graphene composites for selective enrichment of phosphopeptides. <i>Nanoscale</i> , 2012 , 4, 1577-80	7.7	67
244	Facile synthesis of zirconium phosphonate-functionalized magnetic mesoporous silica microspheres designed for highly selective enrichment of phosphopeptides. <i>Nanoscale</i> , 2011 , 3, 1225-33	7.7	66
243	On-chip enzymatic microreactor using trypsin-immobilized superparamagnetic nanoparticles for highly efficient proteolysis. <i>Journal of Chromatography A</i> , 2007 , 1176, 169-77	4.5	66
242	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
241	Novel microwave-assisted digestion by trypsin-immobilized magnetic nanoparticles for proteomic analysis. <i>Journal of Proteome Research</i> , 2008 , 7, 1297-307	5.6	64
240	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
239	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
238	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
237	Development of core-shell structure Fe ₃ O ₄ @Ta ₂ O ₅ microspheres for selective enrichment of phosphopeptides for mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2009 , 1216, 5533-9	4.5	61
236	Recent development of multi-dimensional chromatography strategies in proteome research. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 866, 123-32	3.2	60
235	Determination of acetone, hexanal and heptanal in blood samples by derivatization with pentafluorobenzyl hydroxylamine followed by headspace single-drop microextraction and gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2005 , 540, 317-323	6.6	59
234	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
233	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
232	Facile synthesis of C8-functionalized magnetic silica microspheres for enrichment of low-concentration peptides for direct MALDI-TOF MS analysis. <i>Proteomics</i> , 2008 , 8, 2778-84	4.8	57
231	Gas chromatography-mass spectrometry following microwave distillation and headspace solid-phase microextraction for fast analysis of essential oil in dry traditional Chinese medicine. <i>Journal of Chromatography A</i> , 2006 , 1133, 29-34	4.5	57
230	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

229	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
228	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
227	Development of gas chromatography-mass spectrometry following headspace single-drop microextraction and simultaneous derivatization for fast determination of the diabetes biomarker, acetone in human blood samples. <i>Analytica Chimica Acta</i> , 2006 , 569, 91-96	6.6	54
226	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
225	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
224	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
223	Functionalized magnetic nanomaterials as solid-phase extraction adsorbents for organic pollutants in environmental analysis. <i>Analytical Methods</i> , 2014 , 6, 7130	3.2	51
222	Quantitative determination of chlorogenic acid in Honeysuckle using microwave-assisted extraction followed by nano-LC-ESI mass spectrometry. <i>Talanta</i> , 2009 , 77, 1299-303	6.2	51
221	Highly efficient enrichment of phosphopeptides by a magnetic lanthanide metal-organic framework. <i>Talanta</i> , 2016 , 159, 1-6	6.2	50
220	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
219	Large scale depletion of the high-abundance proteins and analysis of middle- and low-abundance proteins in human liver proteome by multidimensional liquid chromatography. <i>Proteomics</i> , 2008 , 8, 939-47	4.8	50
218	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
217	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
216	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
215	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
214	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
213	Highly efficient and selective enrichment of glycopeptides using easily synthesized magG/PDA/Au/l-Cys composites. <i>Proteomics</i> , 2016 , 16, 1311-20	4.8	47
212	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

211	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
210	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
209	Rapid determination of volatile constituents of <i>Michelia alba</i> flowers by gas chromatography-mass spectrometry with solid-phase microextraction. <i>Journal of Chromatography A</i> , 2002 , 942, 283-8	4.5	46
208	Headspace single-drop microextraction with in-drop derivatization for aldehyde analysis. <i>Journal of Separation Science</i> , 2005 , 28, 2301-5	3.4	46
207	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
206	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
205	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
204	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
203	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
202	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
201	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
200	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
199	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
198	Rapid analysis of essential oil from <i>Fructus Amomi</i> 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
197	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
196	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
195	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
194	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

193	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
192	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
191	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
190	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
189	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
188	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
187	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
186	Development of immobilized Sn affinity chromatography material for highly selective enrichment of phosphopeptides. <i>Proteomics</i> , 2016 , 16, 2733-2741	4.8	38
185	Development of magnetic multiwalled carbon nanotubes combined with near-infrared radiation-assisted desorption for the determination of tissue distribution of doxorubicin liposome injects in rats. <i>Journal of Chromatography A</i> , 2011 , 1218, 4619-26	4.5	38
184	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
183	Development of microwave-assisted protein digestion based on trypsin-immobilized magnetic microspheres for highly efficient proteolysis followed by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 3910-8	2.2	38
182	Comprehensive two-dimensional separation in coupling of reversed-phase chromatography with capillary isoelectric focusing followed by MALDI-MS identification using on-target digestion for intact protein analysis. <i>Electrophoresis</i> , 2006 , 27, 2100-10	3.6	38
181	Capillary array reversed-phase liquid chromatography-based multidimensional separation system coupled with MALDI-TOF-TOF-MS detection for high-throughput proteome analysis. <i>Journal of Proteome Research</i> , 2006 , 5, 3186-96	5.6	38
180	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
179	Nanomaterials in Proteomics. <i>Advanced Functional Materials</i> , 2019 , 29, 1900253	15.6	37
178	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
177	Enzyme inhibitor screening by electrospray mass spectrometry with immobilized enzyme on magnetic silica microspheres. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 865-73	3.5	37
176	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

175	Gas chromatography-mass spectrometry following pressurized hot water extraction and solid-phase microextraction for quantification of eucalyptol, camphor, and borneol in Chrysanthemum flowers. <i>Journal of Separation Science</i> , 2007 , 30, 86-9	3.4	36
174	A simple pathway to the synthesis of magnetic nanoparticles with immobilized metal ions for the fast removal of microcystins in water. <i>Small</i> , 2007 , 3, 1714-7	11	36
173	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
172	Rapid synthesis of titanium(IV)-immobilized magnetic mesoporous silica nanoparticles for endogenous phosphopeptides enrichment. <i>Proteomics</i> , 2017 , 17, 1600320	4.8	35
171	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
170	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
169	Functionalized magnetic carbonaceous microspheres for trypsin immobilization and the application to fast proteolysis. <i>Journal of Chromatography A</i> , 2008 , 1215, 82-91	4.5	35
168	Headspace solid-phase microextraction and capillary gas chromatographic-mass spectrometric determination of rivastigmine in canine plasma samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004 , 806, 271-6	3.2	35
167	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
166	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
165	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
164	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
163	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
162	Advances in hydrophilic nanomaterials for glycoproteomics. <i>Chemical Communications</i> , 2019 , 55, 10359-10375	10.3	34
161	Selective enrichment of phosphopeptides by titania nanoparticles coated magnetic carbon nanotubes. <i>Talanta</i> , 2014 , 118, 14-20	6.2	34
160	On-plate digestion of proteins using novel trypsin-immobilized magnetic nanospheres for MALDI-TOF-MS analysis. <i>Proteomics</i> , 2007 , 7, 3661-71	4.8	34
159	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
158	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

157	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
156	Facile synthesis and application of mesoporous silica coated magnetic carbon nanotubes. <i>Chemical Communications</i> , 2011 , 47, 1210-2	5.8	33
155	Separation and identification of volatile constituents in <i>Artemisia argyi</i> flowers by GC-MS with SPME and steam distillation. <i>Journal of Chromatographic Science</i> , 2008 , 46, 401-5	1.4	33
154	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, 120-5	6.6	33
153	Advanced nanomaterials as sample technique for bio-analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 135, 116168	14.6	33
152	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}	3.6	32
151	Field analysis of acetaldehyde in mainstream tobacco smoke using solid-phase microextraction and a portable gas chromatograph. <i>Journal of Chromatography A</i> , 2008 , 1198-1199, 34-7	4.5	32
150	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
149	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
148	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
147	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
146	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
145	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
144	Magnetic microspheres modified with Ti(IV) and Nb(V) for enrichment of phosphopeptides. <i>Mikrochimica Acta</i> , 2018 , 185, 309	5.8	31
143	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}	3.6	30
142	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
141	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
140	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

139	Facile synthesis of alumina hollow spheres for on-plate-selective enrichment of phosphopeptides. <i>Chemical Communications</i> , 2011 , 47, 5334-6	5.8	29
138	Fast determination of paeonol in plasma by headspace solid-phase microextraction followed by gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2007 , 585, 76-80	6.6	29
137	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
136	Polydopamine-coated eppendorf tubes for TiO ₂ immobilization for selective enrichment of phosphopeptides. <i>Talanta</i> , 2014 , 127, 88-93	6.2	28
135	Development of magnetic multiwalled carbon nanotubes as solid-phase extraction technique for the determination of p-hydroxybenzoates in beverage. <i>Journal of Separation Science</i> , 2012 , 35, 1667-74	3.4	27
134	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
133	Facile synthesis of water-soluble multi-wall carbon nanotubes and polyaniline composites and their application in detection of small metabolites by matrix assisted laser desorption/ionization mass spectrometry. <i>Chemical Communications</i> , 2011 , 47, 11017-9	5.8	26
132	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
131	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
130	Determination of volatile organic acids in tobacco by single-drop microextraction with in-syringe derivatization followed by GC-MS. <i>Journal of Separation Science</i> , 2010 , 33, 212-7	3.4	26
129	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
128	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
127	Novel strategy of high-abundance protein depletion using multidimensional liquid chromatography. <i>Journal of Proteome Research</i> , 2006 , 5, 2853-60	5.6	25
126	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
125	Fast determination of Z-ligustilide in plasma by gas chromatography/mass spectrometry following headspace single-drop microextraction. <i>Journal of Separation Science</i> , 2007 , 30, 1318-25	3.4	24
124	Fast field analysis of short-chain aliphatic amines in water using solid-phase microextraction and a portable gas chromatograph. <i>Journal of Separation Science</i> , 2008 , 31, 3225-30	3.4	24
123	Quantification of trimethylsilyl derivatives of amino acid disease biomarkers in neonatal blood samples by gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 384, 931-8	4.4	24
122	Diagnosis of congenital adrenal hyperplasia by rapid determination of 17alpha-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

121	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
120	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
119	Morphine-induced conditioned place preference in mice: metabolomic profiling of brain tissue to find "molecular switch" of drug abuse by gas chromatography/mass spectrometry. <i>Analytica Chimica Acta</i> , 2012 , 710, 125-30	6.6	23
118	Development of high performance liquid chromatography with immobilized enzyme onto magnetic nanospheres for screening enzyme inhibitor. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 871, 67-71	3.2	23
117	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
116	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
115	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
114	Hydrophilic polydopamine-coated magnetic graphene nanocomposites for highly efficient tryptic immobilization. <i>Proteomics</i> , 2014 , 14, 1457-63	4.8	22
113	Microwave-assisted extraction followed by CE for determination of catechin and epicatechin in green tea. <i>Journal of Separation Science</i> , 2010 , 33, 1079-84	3.4	22
112	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
111	Gas chromatography-mass spectrometry with solid-phase microextraction method for determination of methyl salicylate and other volatile compounds in leaves of Lycopodium obscurum. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 518-22	4.4	22
110	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
109	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
108	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
107	Facile synthesis of titania nanoparticles coated carbon nanotubes for selective enrichment of phosphopeptides for mass spectrometry analysis. <i>Talanta</i> , 2013 , 107, 30-5	6.2	21
106	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
105	Decyl-perfluorinated magnetic mesoporous microspheres for extraction and analysis perfluorinated compounds in water using ultrahigh-performance liquid chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2012 , 35, 2629-36	3.4	21
104	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

103	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
102	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
101	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
100	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
99	Monodisperse magnetites anchored onto carbon nanotubes: a platform for cell imaging, magnetic manipulation and enhanced photothermal treatment of tumors. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 1939-1946	7.3	20
98	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
97	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
96	Preparation of CEfunctionalized magnetic polydopamine microspheres for the enrichment and analysis of alkylphenols in water samples. <i>Talanta</i> , 2016 , 148, 387-92	6.2	19
95	Magnetic nanoparticles-based digestion and enrichment methods in proteomics analysis. <i>Expert Review of Proteomics</i> , 2011 , 8, 379-90	4.2	19
94	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
93	On-column tryptic mapping of proteins using metal-ion-chelated magnetic silica microspheres by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 2263-8	2.2	19
92	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
91	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
90	Recent advances in nanomaterials for sample pre-treatment in phosphoproteomics research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115655	14.6	18
89	Titanium(IV)-Immobilized Hydrophilic Hierarchically Ordered Macro-/Mesoporous Silica for Fast Enrichment of Phosphopeptides. <i>ChemPlusChem</i> , 2014 , 79, 662-666	2.8	18
88	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
87	Recent developments and contributions from Chinese scientists in multidimensional separations for proteomics and traditional Chinese medicines. <i>Journal of Separation Science</i> , 2007 , 30, 785-91	3.4	18
86	Development of gas chromatography/mass spectrometry following headspace solid-phase microextraction for fast determination of asarones in plasma. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 2120-6	2.2	18

85	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
84	Development of multidimensional liquid chromatography and application in proteomic analysis. <i>Expert Review of Proteomics</i> , 2010 , 7, 665-78	4.2	17
83	Determination of methylmalonic acid and glutaric acid in urine by aqueous-phase derivatization followed by headspace solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2007 , 30, 266-71	3.4	17
82	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
81	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
80	Headspace solid-phase microextraction and gas chromatography-mass spectrometry analysis of free volatile compounds in Mango. <i>Chromatographia</i> , 2002 , 55, 737-741	2.1	16
79	Rapid determination of methyl salicylate, a plant-signaling compound, in tomato leaves by direct sample introduction and thermal desorption followed by GC-MS. <i>Journal of Separation Science</i> , 2005 , 28, 1137-42	3.4	16
78	A novel miniaturized flame ionization detector for portable gas chromatography. <i>Journal of Chromatographic Science</i> , 2005 , 43, 355-7	1.4	16
77	Hydrophilic polydopamine-derived mesoporous channels for loading Ti(IV) ions for salivary phosphoproteome research. <i>Analytica Chimica Acta</i> , 2021 , 1146, 53-60	6.6	16
76	Hydrophilic tripeptide combined with magnetic titania as a multipurpose platform for universal enrichment of phospho- and glycopeptides. <i>Journal of Chromatography A</i> , 2019 , 1595, 1-10	4.5	15
75	Designed synthesis of fluorine-functionalized magnetic mesoporous microspheres for specific enrichment of phosphopeptides with fluorine derivatization. <i>Proteomics</i> , 2016 , 16, 1051-8	4.8	15
74	Development of magnetic graphene as an adsorbent and matrix for selective enrichment and detection of crotonaldehyde in saliva by MALDI-TOF-MS. <i>Analytical Methods</i> , 2013 , 5, 4585	3.2	15
73	Preparation of phenyl group-functionalized magnetic mesoporous silica microspheres for fast extraction and analysis of acetaldehyde in mainstream cigarette smoke by gas chromatography-mass spectrometry. <i>Talanta</i> , 2013 , 115, 427-34	6.2	15
72	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
71	Fabrication of hydrophilic multilayer magnetic probe for salivary glycopeptidome analysis. <i>Journal of Chromatography A</i> , 2019 , 1587, 24-33	4.5	15
70	Aptamer-functionalized magnetic metal organic framework as nanoprobe for biomarkers in human serum. <i>Analytica Chimica Acta</i> , 2019 , 1087, 69-75	6.6	14
69	Determination of camphor and borneol in Flos Chrysanthemi Indici by UAE and GC-FID. <i>Journal of Chromatographic Science</i> , 2009 , 47, 287-90	1.4	14
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66	Quality assessment of Flos <i>Chrysanthemi Indici</i> from different growing areas in China by solid-phase microextraction-gas chromatography-mass spectrometry 2004 , 1047, 281-281		14
65	Ultrasensitive enrichment of phosphopeptides with Ti(4+) immobilized SiO ₂ graphene-like multilayer nanosheets. <i>Analyst, The</i> , 2016 , 141, 3421-7	5	14
64	The synthesis of Zr-metal-organic framework functionalized magnetic graphene nanocomposites as an adsorbent for fast determination of multi-pesticide residues in tobacco samples. <i>Journal of Chromatography A</i> , 2018 , 1577, 1-7	4.5	14
63	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
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60	Integrated strong cation exchange/capillary reversed-phase liquid chromatography/on-target digestion coupled with mass spectrometry for identification of intact human liver tissue proteins. <i>Analyst, The</i> , 2008 , 133, 1261-7	5	12
59	Solid-Phase Microextraction Followed by Gas Chromatography-Mass Spectrometry Analysis of the Volatile Components of Flos <i>Chrysanthemi Indici</i> in Different Growing Areas. <i>Chromatographia</i> , 2004 , 59,	2.1	12
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57	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	15.6	12
56	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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53	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
52	Magnetic mesoporous silica of loading copper metal ions for enrichment and LC-MS/MS analysis of salivary endogenous peptides. <i>Talanta</i> , 2020 , 207, 120313	6.2	11
51	One-pot preparation of hydrophilic citric acid-magnetic nanoparticles for identification of glycopeptides in human saliva. <i>Talanta</i> , 2020 , 206, 120178	6.2	11
50	Rapid isolation and proteome analysis of urinary exosome based on double interactions of FeO@TiO ₂ -DNA aptamer. <i>Talanta</i> , 2021 , 221, 121571	6.2	11

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48	Highly selective enrichment of baicalin in rat plasma by boronic acid-functionalized core-shell magnetic microspheres: Validation and application to a pharmacokinetic study. <i>Talanta</i> , 2016 , 147, 501-9	6.2	10
47	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
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45	Magnetic metal phenolic networks: expanding the application of a promising nanoprobe to phosphoproteomics research. <i>Chemical Communications</i> , 2020 , 56, 11299-11302	5.8	9
44	Microwave-assisted silylation followed by gas chromatography/mass spectrometry for rapid determination of ergosterol in cigarettes. <i>Journal of Separation Science</i> , 2008 , 31, 2451-6	3.4	8
43	Fast Diagnosis of Neonatal Phenylketonuria by Gas Chromatography-Mass Spectrometry Following Microwave-Assisted Silylation. <i>Chromatographia</i> , 2005 , 62, 617-621	2.1	8
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41	Magnetic metal oxide affinity chromatography-based molecularly imprinted approach for effective separation of serous and urinary phosphoprotein biomarker. <i>Talanta</i> , 2021 , 226, 122143	6.2	8
40	Fast determination of aristolochic acid I (AAI) in traditional Chinese medicine soup with magnetic solid-phase extraction by high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2020 , 1609, 460455	4.5	8
39	Specific enrichment and glycosylation discrepancy profiling of cellular exosomes using a dual-affinity probe. <i>Chemical Communications</i> , 2021 , 57, 6249-6252	5.8	8
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