

Chunhui Deng

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.

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	Simultaneous analysis of cellular glycoproteome and phosphoproteome in cervical carcinoma by one-pot specific enrichment.. <i>Analytica Chimica Acta</i> , 2022 , 1195, 338693	6.6	3
299	Metal organic frameworks as advanced extraction adsorbents for separation and analysis in proteomics and environmental research. <i>Science China Chemistry</i> , 2022 , 65, 650-677	7.9	2
298	Functionalized nanomaterials in separation and analysis of extracellular vesicles and their contents. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 153, 116652	14.6	0
297	Amphiphilic copolymers grafted on monodisperse magnetic microspheres as an efficient adsorbent for the extraction of saffrole in the plasma.. <i>Journal of Chromatography A</i> , 2021 , 1662, 462733	4.5	1
296	Probing serum N-glycan patterns for rapid and precise detection of Crohn's disease. <i>Chemical Communications</i> , 2021 , 57, 11362-11365	5.8	1
295	Advances in aptamer-based nanomaterials for separation and analysis of non-genetic biomarkers in biofluids. <i>Science China Chemistry</i> , 2021 , 64, 932-947	7.9	1
294	Magnetic metal oxide affinity chromatography-based molecularly imprinted approach for effective separation of serum and urinary phosphoprotein biomarker. <i>Talanta</i> , 2021 , 226, 122143	6.2	8
293	Rapid isolation and proteome analysis of urinary exosome based on double interactions of FeO@TiO-DNA aptamer. <i>Talanta</i> , 2021 , 221, 121571	6.2	11
292	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
291	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
290	Simultaneous Application of Nanomaterials to Separation of Phosphorylated and Glycosylated Proteins. <i>Nanostructure Science and Technology</i> , 2021 , 297-323	0.9	
289	Application of Nanomaterials to Separation of Phosphorylated Proteins. <i>Nanostructure Science and Technology</i> , 2021 , 79-178	0.9	
288	Magnetic porous carbon-dependent platform for the determination of N-glycans from urine exosomes. <i>Mikrochimica Acta</i> , 2021 , 188, 66	5.8	5
287	Advanced nanomaterials as sample technique for bio-analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 135, 116168	14.6	33
286	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
285	Enhanced specificity of bimetallic ions via mesoporous confinement for phosphopeptides in human saliva. <i>Talanta</i> , 2021 , 233, 122587	6.2	2
284	One-step fabrication of strongly hydrophilic mesoporous silica for comprehensive analysis of serum glycopeptidome. <i>Talanta</i> , 2021 , 234, 122713	6.2	5

283	Application of Nanomaterials to Separation of Low-Abundance Proteins. <i>Nanostructure Science and Technology</i> , 2021 , 37-77	0.9	
282	Application of Nanomaterials to Separation of Glycosylated Proteins. <i>Nanostructure Science and Technology</i> , 2021 , 179-296	0.9	
281	Application of Nanomaterials to Separation of Endogenous Peptides. <i>Nanostructure Science and Technology</i> , 2021 , 325-418	0.9	
280	An Overview of Proteomics and Related Nanomaterials. <i>Nanostructure Science and Technology</i> , 2021 , 1-35	0.9	
279	Dual metal cations coated magnetic mesoporous silica probe for highly selective capture of endogenous phosphopeptides in biological samples. <i>Mikrochimica Acta</i> , 2020 , 187, 400	5.8	10
278	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
277	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
276	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
275	Preparation of zwitterionic cysteine-modified silica microsphere capillary packed columns for the on-column enrichment and analysis of glycopeptides in human saliva. <i>Analytica Chimica Acta</i> , 2020 , 1096, 1-8	6.6	5
274	A rational route to hybrid aptamer-molecularly imprinted magnetic nanoprobe for recognition of protein biomarkers in human serum. <i>Analytica Chimica Acta</i> , 2020 , 1128, 1-10	6.6	12
273	Synthesis of magnetic core-shell FeO@PDA@Cu-MOFs composites for enrichment of microcystin-LR by MALDI-TOF MS analysis.. <i>RSC Advances</i> , 2020 , 10, 29061-29067	3.7	1
272	Recognition of urinary N-linked glycopeptides in kidney cancer patients by hydrophilic carbohydrate functionalized magnetic metal organic framework combined with LC-MS/MS. <i>Mikrochimica Acta</i> , 2020 , 187, 616	5.8	6
271	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
270	Boric-acid-modified FeO@PDA@UiO-66 for enrichment and detection of glucose by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 8083-8092	4.4	3
269	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
268	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
267	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
266	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

265	Recent advances in nanomaterials for sample pre-treatment in phosphoproteomics research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115655	14.6	18
264	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
263	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
262	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
261	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
260	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
259	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
258	Nanomaterials in Proteomics. <i>Advanced Functional Materials</i> , 2019 , 29, 1900253	15.6	37
257	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
256	Fabrication of functionalized magnetic microspheres based on monodispersed polystyrene for quantitation of allyl-benzodioxoles coupled with gas chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1607, 460402	4.5	6
255	Advances in hydrophilic nanomaterials for glycoproteomics. <i>Chemical Communications</i> , 2019 , 55, 10359-10375	10.8	34
254	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
253	Fabrication of hydrophilic multilayer magnetic probe for salivary glycopeptidome analysis. <i>Journal of Chromatography A</i> , 2019 , 1587, 24-33	4.5	15
252	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
251	Magnetic metal-organic framework nanocomposites for enrichment and direct detection of environmental pollutants by negative-ion matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Talanta</i> , 2019 , 194, 329-335	6.2	13
250	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
249	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
248	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

247	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
246	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
245	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
244	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
243	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
242	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
241	Preparation of iminodiacetic acid functionalized silica capillary trap column for on-column selective enrichment of N-linked glycopeptides. <i>Talanta</i> , 2018 , 188, 499-506	6.2	7
240	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
239	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
238	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
237	Magnetic microspheres modified with Ti(IV) and Nb(V) for enrichment of phosphopeptides. <i>Mikrochimica Acta</i> , 2018 , 185, 309	5.8	31
236	Selective enrichment of glycopeptides/phosphopeptides using FeO@Au-B(OH) ₃ @mTiO ₂ core-shell microspheres. <i>Talanta</i> , 2017 , 166, 154-161	6.2	22
235	Rapid synthesis of titanium(IV)-immobilized magnetic mesoporous silica nanoparticles for endogenous phosphopeptides enrichment. <i>Proteomics</i> , 2017 , 17, 1600320	4.8	35
234	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
233	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
232	Highly selective SiO ₂ -NH ₂ @TiO ₂ hollow microspheres for simultaneous enrichment of phosphopeptides and glycopeptides. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 1607-1614	4.4	23
231	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
230	Hydrophilic Mesoporous Silica Materials for Highly Specific Enrichment of N-Linked Glycopeptide. <i>Analytical Chemistry</i> , 2017 , 89, 1764-1771	7.8	98

229	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
228	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
227	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
226	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
225	Development of immobilized Sn affinity chromatography material for highly selective enrichment of phosphopeptides. <i>Proteomics</i> , 2016 , 16, 2733-2741	4.8	38
224	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
223	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
222	Designed synthesis of fluorour-functionalized magnetic mesoporous microspheres for specific enrichment of phosphopeptides with fluorour derivatization. <i>Proteomics</i> , 2016 , 16, 1051-8	4.8	15
221	Highly efficient enrichment of phosphopeptides by a magnetic lanthanide metal-organic framework. <i>Talanta</i> , 2016 , 159, 1-6	6.2	50
220	Fluorour modified magnetic mesoporous silica composites-incorporated fluorour 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
219	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
218	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
217	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
216	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
215	Integrated system for extraction, purification, and digestion of membrane proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 3495-502	4.4	1
214	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
213	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
212	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

211	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
210	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
209	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
208	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
207	Porous anatase TiO ₂ derived from a titanium metal-organic framework as a multifunctional phospho-oriented nanoreactor integrating accelerated digestion of proteins and in situ enrichment. <i>RSC Advances</i> , 2016 , 6, 51670-51674	3.7	13
206	Ultrasensitive enrichment of phosphopeptides with Ti(4+) immobilized SiO ₂ graphene-like multilayer nanosheets. <i>Analyst</i> , 2016 , 141, 3421-7	5	14
205	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
204	Immobilized metal ion affinity chromatography ZipTip pipette tip with polydopamine modification and Ti ^{IV} immobilization for selective enrichment and isolation of phosphopeptides. <i>Talanta</i> , 2015 , 143, 464-468	6.2	22
203	Hydrophilic Nb ^V -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
202	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
201	Rational synthesis of novel recyclable Fe ³⁺ @MOF nanocomposites for enzymatic digestion. <i>Chemical Communications</i> , 2015 , 51, 8116-9	5.8	91
200	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
199	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
198	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
197	Membrane protein isolation and identification by covalent binding for proteome research. <i>Proteomics</i> , 2015 , 15, 3892-900	4.8	3
196	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
195	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
194	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

193	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
192	Selective enrichment of phosphopeptides by titania nanoparticles coated magnetic carbon nanotubes. <i>Talanta</i> , 2014 , 118, 14-20	6.2	34
191	Hydrophilic polydopamine-coated magnetic graphene nanocomposites for highly efficient tryptic immobilization. <i>Proteomics</i> , 2014 , 14, 1457-63	4.8	22
190	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
189	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
188	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
187	Functionalized magnetic nanomaterials as solid-phase extraction adsorbents for organic pollutants in environmental analysis. <i>Analytical Methods</i> , 2014 , 6, 7130	3.2	51
186	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
185	Designed synthesis of titania nanoparticles coated hierarchically ordered macro/mesoporous silica for selective enrichment of phosphopeptides. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5467-71	9.5	43
184	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
183	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
182	Polydopamine-coated eppendorf tubes for Ti ^{IV} immobilization for selective enrichment of phosphopeptides. <i>Talanta</i> , 2014 , 127, 88-93	6.2	28
181	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
180	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
179	Titanium(IV)-Immobilized Hydrophilic Hierarchically Ordered Macro-/Mesoporous Silica for Fast Enrichment of Phosphopeptides. <i>ChemPlusChem</i> , 2014 , 79, 662-666	2.8	18
178	Synthesis of Polyboronic Acid Functionalized Hierarchically Ordered Macro-/Mesoporous Silica for Selective Enrichment of Glycopeptides for Mass Spectrometric Analysis. <i>ChemPlusChem</i> , 2014 , 79, 31-34	2.8	11
177	Functionalized magnetic nanoparticles for sample preparation in proteomics and peptidomics analysis. <i>Chemical Society Reviews</i> , 2013 , 42, 8517-39	58.5	135
176	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

175	Development of microwave-assisted headspace solid-phase microextraction followed by gas chromatography-mass spectrometry for the analysis of phenol in a cigarette pad. <i>Analytical Methods</i> , 2013 , 5, 4655	3.2	3
174	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
173	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
172	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
171	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
170	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
169	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
168	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
167	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
166	Hierarchically ordered macro/mesoporous alumina nanoreactor with multi-functions in phosphoproteomics. <i>Analytical Methods</i> , 2013 , 5, 6572	3.2	2
165	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
164	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
163	Simultaneous Analysis of Organophosphorus Pesticides in Water by Magnetic Solid-Phase Extraction Coupled with GCMS. <i>Chromatographia</i> , 2013 , 76, 535-540	2.1	55
162	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
161	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
160	Enrichment and determination of crotonaldehyde using magnetic multiwalled carbon nanotubes as an adsorbent and a matrix for matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 847-50	2.2	7
159	Highly sensitive MC-LR detection by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry with magnetic mesoporous silica for fast extraction. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 2515-8	2.2	4
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25	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
24	Comparison of Solid-Phase Microextraction, Supercritical Fluid Extraction, Steam Distillation, and Solvent Extraction Techniques for Analysis of Volatile Constituents in <i>Fructus Amomi</i> . <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 418-423	1.7	8
23	A novel miniaturized flame ionization detector for portable gas chromatography. <i>Journal of Chromatographic Science</i> , 2005 , 43, 355-7	1.4	16
22	Solid-Phase Microextraction Followed by Gas Chromatography-Mass Spectrometry Analysis of the Volatile Components of <i>Flos Chrysanthemi indici</i> in Different Growing Areas. <i>Chromatographia</i> , 2004 , 59,	2.1	12
21	Comparison of Essential Oil Composition of <i>Artemisia argyi</i> Leaves at Different Collection Times by Headspace Solid-Phase Microextraction and Gas Chromatography-Mass Spectrometry. <i>Chromatographia</i> , 2004 , 59,	2.1	14
20	Gas chromatography-mass spectrometry with solid-phase microextraction method for determination of methyl salicylate and other volatile compounds in leaves of <i>Lycopersicon esculentum</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 518-22	4.4	22
19	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
18	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
17	Application of HS-SPME and GC-MS to characterization of volatile compounds emitted from <i>Osmanthus</i> flowers. <i>Annali Di Chimica</i> , 2004 , 94, 921-7		23
16	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
15	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
14	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

13	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
12	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
11	Quality assessment of Flos Chrysanthemi Indici from different growing areas in China by solid-phase microextraction-gas chromatography-mass spectrometry 2004 , 1047, 281-281		14
10	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
9	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
8	Determination of the volatile constituents of Chinese <i>Coriandrum sativum</i> L. by gas chromatography-mass spectrometry with solid-phase microextraction. <i>Chromatographia</i> , 2003 , 57, 357-361	2.1	14
7	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
6	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
5	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
4	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
3	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
2	Investigation of Urinary Exosome Metabolic Patterns in Membranous Nephropathy by Titania-Assisted Intact Exosome Mass Spectrometry. <i>Small Science</i> , 2100118		0
1	Precise Detection of Cataracts with Specific High-Risk Factors by Layered Binary Co-Ionizers Assisted Aqueous Humor Metabolic Analysis. <i>Advanced Science</i> , 2105905	13.6	0