Mingxia Gao

List of Publications by Year in Descending Order

61 papers	1,313 citations	23 h-index	33 g-index
63 ext. papers	1,557 ext. citations	5.7 avg, IF	4.92 L-index

#	Paper	IF	Citations
61	A novel hydrophilic MOFs-303-functionalized magnetic probe for the highly efficient analysis of N-linked glycopeptides.. *Journal of Materials Chemistry B*, **2022**,	7.3	1
60	Strategy for high-throughput identification of protein complexes by array-based multi-dimensional liquid chromatography-mass spectrometry. *Journal of Chromatography A*, **2021**, 1652, 462351	4.5	4
59	Pollen-like silica nanoparticles as a nanocarrier for tumor targeted and pH-responsive drug delivery. *Talanta*, **2021**, 231, 122402	6.2	6
58	Microliter-level multi-channel fraction collector for high-throughput separation system. *Journal of Chromatography A*, **2021**, 1656, 462535	4.5	0
57	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. *Analytical Methods*, **2021**, 13, 2804-2811	3.2	2
56	Deconstruction of Heterogeneity of Size-Dependent Exosome Subpopulations from Human Urine by Profiling N-Glycoproteomics and Phosphoproteomics Simultaneously. *Analytical Chemistry*, **2020** , 92, 9239-9246	7.8	27
55	Characterization of Urinary Exosomes Purified with Size Exclusion Chromatography and Ultracentrifugation. *Journal of Proteome Research*, **2020**, 19, 2217-2225	5.6	25
54	Aminophenylboronic Acid-Functionalized Thorny-Trap-Shaped Monolayer Microarray for Efficient Capture and Release of Circulating Tumor Cells. *Analytical Chemistry*, **2020**, 92, 3403-3408	7.8	8
53	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. *Journal of*	3.4	
52	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. *Nanoscale*, **2019**, 11, 3701-3709	7.7	25
51	Size-dependent sub-proteome analysis of urinary exosomes. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 4141-4149	4.4	3
50	Titanium(IV)-functionalized zirconium-organic frameworks as dual-metal affinity probe for recognition of endogenous phosphopeptides prior to mass spectrometric quantification. *Mikrochimica Acta*, **2019**, 186, 829	5.8	10
49	Magnetic Binary Metal□Organic Framework As a Novel Affinity Probe for Highly Selective Capture of Endogenous Phosphopeptides. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 4382-4389	8.3	53
48	Facile synthesis of terminal-alkyne bioorthogonal molecules for live -cell surface-enhanced Raman scattering imaging through Au-core and silver/dopamine-shell nanotags. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 2203-2210	4.4	4
47	Novel synthesis of glucose functionalized magnetic graphene hydrophilic nanocomposites via facile thiolation for high-efficient enrichment of glycopeptides. *Talanta*, **2018**, 179, 377-385	6.2	29
46	Facile and easily popularized synthesis of L-cysteine-functionalized magnetic nanoparticles based on one-step functionalization for highly efficient enrichment of glycopeptides. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 989-998	4.4	21
45	Magnetic capture of polydopamine-encapsulated Hela cells for the analysis of cell surface proteins. *Journal of Proteomics*, **2018**, 172, 76-81	3.9	10

44	Recent advances in covalent organic frameworks for separation and analysis of complex samples. *TrAC - Trends in Analytical Chemistry*, **2018**, 108, 98-109	14.6	57
43	Integrated Proteome Analysis Device for Fast Single-Cell Protein Profiling. *Analytical Chemistry*, **2018**, 90, 14003-14010	7.8	56
42	Selective enrichment of glycopeptides/phosphopeptides using FeO@Au-B(OH)@mTiO core-shell microspheres. *Talanta*, **2017**, 166, 154-161	6.2	22
41	Highly selective SiO-NH@TiO hollow microspheres for simultaneous enrichment of phosphopeptides and glycopeptides. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 1607-1614	4.4	23
40	High-sensitive bioorthogonal SERS tag for live cancer cell imaging by self-assembling core-satellites structure gold-silver nanocomposite. *Talanta*, **2017**, 172, 176-181	6.2	16
39	Unprecedented highly efficient capture of glycopeptides by FeO@Mg-MOF-74 core-shell nanoparticles. *Chemical Communications*, **2017**, 53, 4018-4021	5.8	51
38	Functional dual hydrophilic dendrimer-modified metal-organic framework for the selective enrichment of N-glycopeptides. *Proteomics*, **2017**, 17, e1700005	4.8	26
37	Self-assembling covalent organic framework functionalized magnetic graphene hydrophilic biocomposites as an ultrasensitive matrix for N-linked glycopeptide recognition. *Nanoscale*, **2017**, 9, 10750-10756	7.7	65
36	Highly efficient enrichment of low-abundance intact proteins by core-shell structured FeO-chitosan@graphene composites. *Talanta*, **2017**, 174, 845-852	6.2	26
35	A novel carbon material with nanopores prepared using a metal-organic framework as precursor for highly selective enrichment of N-linked glycans. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 431-438	4.4	20
34	Surface-enhanced Raman scattering (SERS) imaging-guided real-time photothermal ablation of target cancer cells using polydopamine-encapsulated gold nanorods as multifunctional agents. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 4915-4926	4.4	23
33	Dendrimer-assisted hydrophilic magnetic nanoparticles as sensitive substrates for rapid recognition and enhanced isolation of target tumor cells. *Talanta*, **2016**, 161, 925-931	6.2	18
32	Synthesis of bifunctional TiO2@SiO2-B(OH)2@Fe3O4@TiO2 sandwich-like nanosheets for sequential selective enrichment of phosphopeptides and glycopeptides for mass spectrometric analysis. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 5489-97	4.4	17
31	Facile synthesis of hydrophilic polyamidoxime polymers as a novel solid-phase extraction matrix for sequential characterization of glyco- and phosphoproteomes. *Analytica Chimica Acta*, **2016**, 907, 69-76	6.6	16
30	Array-Based Online Two Dimensional Liquid Chromatography System Applied to Effective Depletion of High-Abundance Proteins in Human Plasma. *Analytical Chemistry*, **2016**, 88, 2440-5	7.8	19
29	Integrated system for extraction, purification, and digestion of membrane proteins. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 3495-502	4.4	1
28	A novel method to isolate protein N-terminal peptides from proteome samples using sulfydryl tagging and gold-nanoparticle-based depletion. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 441-8	4.4	9
27	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. *Talanta*, **2016**, 158, 315-321	6.2	15

26	Versatile metal-organic framework-functionalized magnetic graphene nanoporous composites: As deft matrix for high-effective extraction and purification of the N-linked glycans. *Analytica Chimica Acta*, **2016**, 932, 41-8	6.6	27
25	Ultrasensitive enrichment of phosphopeptides with Ti(4+) immobilized SiO2 graphene-like multilayer nanosheets. *Analyst, The*, **2016**, 141, 3421-7	5	14
24	Functional dendrimer modified ultra-hydrophilic trapping copolymer network towards highly efficient cell capture. *Talanta*, **2016**, 153, 366-71	6.2	7
23	A novel double-component MOAC honeycomb composite with pollen grains as a template for phosphoproteomics research. *Talanta*, **2016**, 154, 141-9	6.2	15
22	Development of Versatile Metal-Organic Framework Functionalized Magnetic Graphene Core-Shell Biocomposite for Highly Specific Recognition of Glycopeptides. *ACS Applied Materials & Interfaces*, **2016**, 8, 27482-27489	9.5	54
21	Ultrasensitive Proteome Profiling for 100 Living Cells by Direct Cell Injection, Online Digestion and Nano-LC-MS/MS Analysis. *Analytical Chemistry*, **2015**, 87, 6674-80	7.8	53
20	Multilayer Hydrophilic Poly(phenol-formaldehyde resin)-Coated Magnetic Graphene for Boronic Acid Immobilization as a Novel Matrix for Glycoproteome Analysis. *ACS Applied Materials & Interfaces*, **2015**, 7, 16011-7	9.5	59
19	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. *Analytica Chimica Acta*, **2015**, 880, 77-83	6.6	5
18	Facilely synthesized polydopamine encapsulated surface-enhanced Raman scattering (SERS) probes for multiplex tumor associated cell surface antigen detection using SERS imaging. *RSC Advances*, **2015**, 5, 72369-72372	3.7	19
17	Membrane protein isolation and identification by covalent binding for proteome research. *Proteomics*, **2015**, 15, 3892-900	4.8	3
16	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. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 8883-92	4.4	45
15	Efficient Proteolysis of Glycoprotein Using a Hydrophilic Immobilized Enzyme Reactor Coupled with MALDI-QIT-TOF-MS Detection and HPLC Analysis. *Chromatographia*, **2014**, 77, 413-418	2.1	6
14	Multiple technical routes to obtain a proteomics expression profile of French liver samples. *Analytical Methods*, **2014**, 6, 2950-2958	3.2	
13	Novel nitrocellulose membrane substrate for efficient analysis of circulating tumor cells coupled with surface-enhanced Raman scattering imaging. *ACS Applied Materials & Interfaces*, **2014**, 6, 370-6	9.5	54
12	Combination of extraction tip and MALDI-TOF-MS for efficient separation and analysis of cysteine-containing peptides. *Science China Chemistry*, **2014**, 57, 703-707	7.9	3
11	Magnetic nanoparticles-based digestion and enrichment methods in proteomics analysis. *Expert Review of Proteomics*, **2011**, 8, 379-90	4.2	19
10	Development of multidimensional liquid chromatography and application in proteomic analysis. *Expert Review of Proteomics*, **2010**, 7, 665-78	4.2	17
9	Recent advances in proteolysis and peptide/protein separation by chromatographic strategies. *Science China Chemistry*, **2010**, 53, 685-694	7.9	5

8	Novel monolithic enzymatic microreactor based on single-enzyme nanoparticles for highly efficient proteolysis and its application in multidimensional liquid chromatography. *Journal of Chromatography A*, **2009**, 1216, 7472-7	4.5	26
7	Integrated strong cation exchange/capillary reversed-phase liquid chromatography/on-target digestion coupled with mass spectrometry for identification of intact human liver tissue proteins. *Analyst, The*, **2008**, 133, 1261-7	5	12
6	Large scale depletion of the high-abundance proteins and analysis of middle- and low-abundance proteins in human liver proteome by multidimensional liquid chromatography. *Proteomics*, **2008**, 8, 939-47	4.8	50
5	Multi-dimensional capillary electrophoresis and chromatography for proteomic analysis. *Methods in Molecular Biology*, **2008**, 384, 783-801	1.4	2
4	Recent developments and contributions from Chinese scientists in multidimensional separations for proteomics and traditional Chinese medicines. *Journal of Separation Science*, **2007**, 30, 785-91	3.4	18
3	A simple pathway to the synthesis of magnetic nanoparticles with immobilized metal ions for the fast removal of microcystins in water. *Small*, **2007**, 3, 1714-7	11	36
2	Comparison of 2-D LC and 3-D LC with post- and pre-tryptic-digestion SEC fractionation for proteome analysis of normal human liver tissue. *Proteomics*, **2007**, 7, 500-512	4.8	26
1	Novel strategy of high-abundance protein depletion using multidimensional liquid chromatography. *Journal of Proteome Research*, **2006**, 5, 2853-60	5.6	25