

Mingxia Gao

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8627777/mingxia-gao-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Self-assembling covalent organic framework functionalized magnetic graphene hydrophilic biocomposites as an ultrasensitive matrix for N-linked glycopeptide recognition. <i>Nanoscale</i> , 2017 , 9, 10750-10756	7.7	65
60	Multilayer Hydrophilic Poly(phenol-formaldehyde resin)-Coated Magnetic Graphene for Boronic Acid Immobilization as a Novel Matrix for Glycoproteome Analysis. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16011-7	9.5	59
59	Recent advances in covalent organic frameworks for separation and analysis of complex samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 98-109	14.6	57
58	Integrated Proteome Analysis Device for Fast Single-Cell Protein Profiling. <i>Analytical Chemistry</i> , 2018 , 90, 14003-14010	7.8	56
57	Novel nitrocellulose membrane substrate for efficient analysis of circulating tumor cells coupled with surface-enhanced Raman scattering imaging. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 370-6	9.5	54
56	Development of Versatile Metal-Organic Framework Functionalized Magnetic Graphene Core-Shell Biocomposite for Highly Specific Recognition of Glycopeptides. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27482-27489	9.5	54
55	Ultrasensitive Proteome Profiling for 100 Living Cells by Direct Cell Injection, Online Digestion and Nano-LC-MS/MS Analysis. <i>Analytical Chemistry</i> , 2015 , 87, 6674-80	7.8	53
54	Magnetic Binary Metal-Organic Framework As a Novel Affinity Probe for Highly Selective Capture of Endogenous Phosphopeptides. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4382-4389	8.3	53
53	Unprecedented highly efficient capture of glycopeptides by FeO@Mg-MOF-74 core-shell nanoparticles. <i>Chemical Communications</i> , 2017 , 53, 4018-4021	5.8	51
52	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
51	A rapid and simple method for efficient capture and accurate discrimination of circulating tumor cells using aptamer conjugated magnetic beads and surface-enhanced Raman scattering imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 8883-92	4.4	45
50	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
49	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
48	Deconstruction of Heterogeneity of Size-Dependent Exosome Subpopulations from Human Urine by Profiling N-Glycoproteomics and Phosphoproteomics Simultaneously. <i>Analytical Chemistry</i> , 2020 , 92, 9239-9246	7.8	27
47	Versatile metal-organic framework-functionalized magnetic graphene nanoporous composites: As deft matrix for high-effective extraction and purification of the N-linked glycans. <i>Analytica Chimica Acta</i> , 2016 , 932, 41-8	6.6	27
46	Functional dual hydrophilic dendrimer-modified metal-organic framework for the selective enrichment of N-glycopeptides. <i>Proteomics</i> , 2017 , 17, e1700005	4.8	26
45	Highly efficient enrichment of low-abundance intact proteins by core-shell structured FeO-chitosan@graphene composites. <i>Talanta</i> , 2017 , 174, 845-852	6.2	26

44	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
43	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. <i>Proteomics</i> , 2007 , 7, 500-512	4.8	26
42	Preparation of a thickness-controlled Mg-MOFs-based magnetic graphene composite as a novel hydrophilic matrix for the effective identification of the glycopeptide in the human urine. <i>Nanoscale</i> , 2019 , 11, 3701-3709	7.7	25
41	Characterization of Urinary Exosomes Purified with Size Exclusion Chromatography and Ultracentrifugation. <i>Journal of Proteome Research</i> , 2020 , 19, 2217-2225	5.6	25
40	Novel strategy of high-abundance protein depletion using multidimensional liquid chromatography. <i>Journal of Proteome Research</i> , 2006 , 5, 2853-60	5.6	25
39	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
38	Surface-enhanced Raman scattering (SERS) imaging-guided real-time photothermal ablation of target cancer cells using polydopamine-encapsulated gold nanorods as multifunctional agents. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4915-4926	4.4	23
37	Selective enrichment of glycopeptides/phosphopeptides using FeO@Au-B(OH)@mTiO core-shell microspheres. <i>Talanta</i> , 2017 , 166, 154-161	6.2	22
36	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
35	A novel carbon material with nanopores prepared using a metal-organic framework as precursor for highly selective enrichment of N-linked glycans. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 431-438	4.4	20
34	Facilely synthesized polydopamine encapsulated surface-enhanced Raman scattering (SERS) probes for multiplex tumor associated cell surface antigen detection using SERS imaging. <i>RSC Advances</i> , 2015 , 5, 72369-72372	3.7	19
33	Array-Based Online Two Dimensional Liquid Chromatography System Applied to Effective Depletion of High-Abundance Proteins in Human Plasma. <i>Analytical Chemistry</i> , 2016 , 88, 2440-5	7.8	19
32	Magnetic nanoparticles-based digestion and enrichment methods in proteomics analysis. <i>Expert Review of Proteomics</i> , 2011 , 8, 379-90	4.2	19
31	Dendrimer-assisted hydrophilic magnetic nanoparticles as sensitive substrates for rapid recognition and enhanced isolation of target tumor cells. <i>Talanta</i> , 2016 , 161, 925-931	6.2	18
30	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
29	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
28	Development of multidimensional liquid chromatography and application in proteomic analysis. <i>Expert Review of Proteomics</i> , 2010 , 7, 665-78	4.2	17
27	High-sensitive bioorthogonal SERS tag for live cancer cell imaging by self-assembling core-satellites structure gold-silver nanocomposite. <i>Talanta</i> , 2017 , 172, 176-181	6.2	16

26	Facile synthesis of hydrophilic polyamidoxime polymers as a novel solid-phase extraction matrix for sequential characterization of glyco- and phosphoproteomes. <i>Analytica Chimica Acta</i> , 2016 , 907, 69-76	6.6	16
25	Facile synthesis of thiol and alkynyl contained SERS reporter molecular and its usage in assembly of polydopamine protected bioorthogonal SERS tag for live cell imaging. <i>Talanta</i> , 2016 , 158, 315-321	6.2	15
24	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
23	Ultrasensitive enrichment of phosphopeptides with Ti(4+) immobilized SiO ₂ graphene-like multilayer nanosheets. <i>Analyst, The</i> , 2016 , 141, 3421-7	5	14
22	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
21	Magnetic capture of polydopamine-encapsulated Hela cells for the analysis of cell surface proteins. <i>Journal of Proteomics</i> , 2018 , 172, 76-81	3.9	10
20	Titanium(IV)-functionalized zirconium-organic frameworks as dual-metal affinity probe for recognition of endogenous phosphopeptides prior to mass spectrometric quantification. <i>Mikrochimica Acta</i> , 2019 , 186, 829	5.8	10
19	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
18	Aminophenylboronic Acid-Functionalized Thorny-Trap-Shaped Monolayer Microarray for Efficient Capture and Release of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2020 , 92, 3403-3408	7.8	8
17	Functional dendrimer modified ultra-hydrophilic trapping copolymer network towards highly efficient cell capture. <i>Talanta</i> , 2016 , 153, 366-71	6.2	7
16	Efficient Proteolysis of Glycoprotein Using a Hydrophilic Immobilized Enzyme Reactor Coupled with MALDI-QIT-TOF-MS Detection and HPLC Analysis. <i>Chromatographia</i> , 2014 , 77, 413-418	2.1	6
15	Pollen-like silica nanoparticles as a nanocarrier for tumor targeted and pH-responsive drug delivery. <i>Talanta</i> , 2021 , 231, 122402	6.2	6
14	An effective and in-situ method based tresyl-functionalized porous polymer material for enrichment and digestion of membrane proteins and its application in extraction tips. <i>Analytica Chimica Acta</i> , 2015 , 880, 77-83	6.6	5
13	Recent advances in proteolysis and peptide/protein separation by chromatographic strategies. <i>Science China Chemistry</i> , 2010 , 53, 685-694	7.9	5
12	Facile synthesis of terminal-alkyne bioorthogonal molecules for live -cell surface-enhanced Raman scattering imaging through Au-core and silver/dopamine-shell nanotags. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 2203-2210	4.4	4
11	Strategy for high-throughput identification of protein complexes by array-based multi-dimensional liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1652, 462351	4.5	4
10	Combination of extraction tip and MALDI-TOF-MS for efficient separation and analysis of cysteine-containing peptides. <i>Science China Chemistry</i> , 2014 , 57, 703-707	7.9	3
9	Membrane protein isolation and identification by covalent binding for proteome research. <i>Proteomics</i> , 2015 , 15, 3892-900	4.8	3

8	Size-dependent sub-proteome analysis of urinary exosomes. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4141-4149	4.4	3
7	Multi-dimensional capillary electrophoresis and chromatography for proteomic analysis. <i>Methods in Molecular Biology</i> , 2008 , 384, 783-801	1.4	2
6	Rapid and sensitive detection of and based on bacitracin-modified FeO@PDA magnetic beads combined with matrix-assisted laser desorption ionization-time of flight mass spectrometry. <i>Analytical Methods</i> , 2021 , 13, 2804-2811	3.2	2
5	Integrated system for extraction, purification, and digestion of membrane proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 3495-502	4.4	1
4	A novel hydrophilic MOFs-303-functionalized magnetic probe for the highly efficient analysis of N-linked glycopeptides.. <i>Journal of Materials Chemistry B</i> , 2022 ,	7.3	1
3	Microliter-level multi-channel fraction collector for high-throughput separation system. <i>Journal of Chromatography A</i> , 2021 , 1656, 462535	4.5	0
2	Multiple technical routes to obtain a proteomics expression profile of French liver samples. <i>Analytical Methods</i> , 2014 , 6, 2950-2958	3.2	
1	A new strategy of studying protein-protein interactions: Integrated strong anion exchange/reversed-phase chromatography/immunoprecipitation coupled with mass spectrometry for large-scale identification of proteins interact with immunoglobulin G in HeLa cells. <i>Journal of Separation Science</i> , 2020 , 43, 3913-3920	3.4	