

# Single-Step Enrichment of *N*-Glycopeptides and Multifunctional Ti<sup>4+</sup>-Immobilized Dendritic Nanomaterials

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Development of Gd <sup>3+</sup> -immobilized glutathione-coated magnetic nanoparticles for highly selective enrichment of phosphopeptides. <i>Talanta</i> , 2018, 180, 368-375.	2.9	33
3	Two-Dimensional MoS <sub>2</sub> -Based Zwitterionic Hydrophilic Interaction Liquid Chromatography Material for the Specific Enrichment of Glycopeptides. <i>Analytical Chemistry</i> , 2018, 90, 6651-6659.	3.2	76
4	Hydrophilic Phytic Acid-Coated Magnetic Graphene for Titanium(IV) Immobilization as a Novel Hydrophilic Interaction Liquid Chromatography Immobilized Metal Affinity Chromatography Platform for Glyco- and Phosphopeptide Enrichment with Controllable Selectivity. <i>Analytical Chemistry</i> , 2018, 90, 11008-11015.	3.2	78
5	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.	2.9	44
6	Finding the Sweet Spot in ERLIC Mobile Phase for Simultaneous Enrichment of N-Glyco and Phosphopeptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2491-2501.	1.2	23
7	Advances in hydrophilic nanomaterials for glycoproteomics. <i>Chemical Communications</i> , 2019, 55, 10359-10375.	2.2	62
8	Asymptotic analysis to Von Kármán swirling-flow problem. <i>Modern Physics Letters B</i> , 2019, 33, 1950298.	1.0	2
9	Novel Ti <sup>4+</sup> -Chelated Polyoxometalate/Polydopamine Composite Microspheres for Highly Selective Isolation and Enrichment of Phosphoproteins. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37471-37478.	4.0	20
10	Facile Fabrication of Biomimetic Chitosan Membrane with Honeycomb-Like Structure for Enrichment of Glycosylated Peptides. <i>Analytical Chemistry</i> , 2019, 91, 2985-2993.	3.2	56
11	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.	2.5	47
12	A sensitive and selective phosphopeptide enrichment strategy by combining polyoxometalates and cysteamine hydrochloride-modified chitosan through layer-by-layer assembly. <i>Analytica Chimica Acta</i> , 2019, 1066, 58-68.	2.6	29
13	Nanomaterials in Proteomics. <i>Advanced Functional Materials</i> , 2019, 29, 1900253.	7.8	64
14	Scalable, Non-denaturing Purification of Phosphoproteins Using Ga <sup>3+</sup> -IMAC: N2A and M1M2 Titin Components as Study case. <i>Protein Journal</i> , 2019, 38, 181-189.	0.7	12
15	Glutathione-Functionalized Magnetic Covalent Organic Framework Microspheres with Size Exclusion for Endogenous Glycopeptide Recognition in Human Saliva. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 47218-47226.	4.0	54
16	Simultaneous analysis of phosphopeptides and intact glycopeptides from secretome with mode switchable solid phase extraction. <i>Analytical Methods</i> , 2019, 11, 5243-5249.	1.3	8
17	GO-META-TiO <sub>2</sub> composite monolithic columns for in-tube solid-phase microextraction of phosphopeptides. <i>Talanta</i> , 2019, 192, 360-367.	2.9	26
18	Facile Fabrication of Magnetic Metal-Organic Framework Nanofibers for Specific Capture of Phosphorylated Peptides. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2245-2254.	3.2	33
19	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.	3.2	45

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20	Novel Nanomaterials for Protein Analysis. , 2019, , 37-88.		2
21	Hydrophilic phytic acid-functionalized magnetic dendritic mesoporous silica nanospheres with immobilized Ti <sup>4+</sup> : A dual-purpose affinity material for highly efficient enrichment of glycopeptides/phosphopeptides. <i>Talanta</i> , 2019, 197, 77-85.	2.9	45
22	Developing Workflow for Simultaneous Analyses of Phosphopeptides and Glycopeptides. <i>ACS Chemical Biology</i> , 2019, 14, 58-66.	1.6	31
23	Recent advances in hydrophilic interaction liquid interaction chromatography materials for glycopeptide enrichment and glycan separation. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115570.	5.8	103
24	A one-pot synthesis of hydrophilic poly(glycerol methacrylate) chitosan for highly selective enrichment of glycopeptides. <i>Chemical Communications</i> , 2020, 56, 908-911.	2.2	9
25	Amino Acid-Functionalized Two-Dimensional Hollow Cobalt Sulfide Nanoleaves for the Highly Selective Enrichment of N-Linked Glycopeptides. <i>Analytical Chemistry</i> , 2020, 92, 2151-2158.	3.2	37
26	Affinity chromatography: A review of trends and developments over the past 50 years. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1157, 122332.	1.2	93
27	<p></p>Phosphoproteomics Reveals Key Regulatory Kinases and Modulated Pathways Associated with Ovarian Cancer Tumors<p></p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 3595-3605.	1.0	4
28	Coupling hydrophilic interaction chromatography materials with immobilized Fe <sup>3+</sup> for phosphopeptide and glycopeptide enrichment and separation. <i>RSC Advances</i> , 2020, 10, 22176-22182.	1.7	8
29	High-Efficiency Phosphopeptide and Glycopeptide Simultaneous Enrichment by Hydrogen Bond-based Bifunctional Smart Polymer. <i>Analytical Chemistry</i> , 2020, 92, 6269-6277.	3.2	42
30	Facile synthesis of hydrophilic magnetic graphene nanocomposites via dopamine self-polymerization and Michael addition for selective enrichment of N-linked glycopeptides. <i>Scientific Reports</i> , 2020, 10, 71.	1.6	18
31	Bifunctional Magnetic Supramolecular-Organic Framework: A Nanoprobe for Simultaneous Enrichment of Glycosylated and Phosphorylated Peptides. <i>Analytical Chemistry</i> , 2020, 92, 2680-2689.	3.2	76
32	Phosphopeptide enrichment for phosphoproteomic analysis - A tutorial and review of novel materials. <i>Analytica Chimica Acta</i> , 2020, 1129, 158-180.	2.6	41
33	Facile preparation of bifunctional adsorbents for efficiently enriching N-glycopeptides and phosphopeptides. <i>Analytica Chimica Acta</i> , 2021, 1144, 111-120.	2.6	29
34	A Pragmatic Guide to Enrichment Strategies for Mass Spectrometry-based Glycoproteomics. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100029.	2.5	121
35	Relative Quantification of Phosphorylated and Glycosylated Peptides from the Same Sample Using Isobaric Chemical Labelling with a Two-Step Enrichment Strategy. <i>Methods in Molecular Biology</i> , 2021, 2228, 185-203.	0.4	5
36	Simultaneous Application of Nanomaterials to Separation of Phosphorylated and Glycosylated Proteins. <i>Nanostructure Science and Technology</i> , 2021, , 297-323.	0.1	0
37	Hollow MnFe <sub>2</sub> O <sub>4</sub> @C@APBA Nanospheres with Size Exclusion and pH Response for Efficient Enrichment of Endogenous Glycopeptides. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9714-9728.	4.0	14

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38	Advanced nanomaterials as sample technique for bio-analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116168.	5.8	70
39	Facile synthesis of titanium(IV) ion-immobilized arsenate-modified poly(glycidyl methacrylate) microparticles and the application to the specific enrichment of phosphoproteins. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2893-2901.	1.9	4
40	Hydrophilic carrageenan functionalized magnetic carbon-based framework linked by silane coupling agent for the enrichment of N-glycopeptides from human saliva. <i>Journal of Separation Science</i> , 2021, 44, 2143-2152.	1.3	4
41	Current Methods of Post-Translational Modification Analysis and Their Applications in Blood Cancers. <i>Cancers</i> , 2021, 13, 1930.	1.7	24
42	Post-synthesis of biomimetic chitosan with honeycomb-like structure for sensitive recognition of phosphorylated peptides. <i>Journal of Chromatography A</i> , 2021, 1643, 462072.	1.8	10
43	Dual-functionalized magnetic bimetallic metal-organic framework composite for highly specific enrichments of phosphopeptides and glycopeptides. <i>Analytica Chimica Acta</i> , 2021, 1158, 338412.	2.6	32
44	Controllable preparation and performance of bio-based poly(lactic acid-iminodiacetic acid) as sustained-release Pb <sup>2+</sup> chelating agent. <i>IScience</i> , 2021, 24, 102518.	1.9	7
45	Dual-Functional Ti(IV)-IMAC Material Enables Simultaneous Enrichment and Separation of Diverse Glycopeptides and Phosphopeptides. <i>Analytical Chemistry</i> , 2021, 93, 8568-8576.	3.2	32
46	Facile synthesis of bifunctional polymer monolithic column for tunable and specific capture of glycoproteins and phosphoproteins. <i>Journal of Chromatography A</i> , 2021, 1651, 462329.	1.8	7
47	TiO <sub>2</sub> Simultaneous Enrichment, On-Line Deglycosylation, and Sequential Analysis of Glyco- and Phosphopeptides. <i>Frontiers in Chemistry</i> , 2021, 9, 703176.	1.8	3
48	Bifunctional magnetic covalent organic framework for simultaneous enrichment of phosphopeptides and glycopeptides. <i>Analytica Chimica Acta</i> , 2021, 1177, 338761.	2.6	18
49	Mass Spectrometry-Based Methods for Immunoglobulin G N-Glycosylation Analysis. <i>Experientia Supplementum (2012)</i> , 2021, 112, 73-135.	0.5	0
51	Analysis of carbohydrates and glycoconjugates by matrix-assisted laser desorption/ionization mass spectrometry: An update for 2017-2018. <i>Mass Spectrometry Reviews</i> , 2023, 42, 227-431.	2.8	10
52	Free-standing lamellar 3D architectures assembled from chitosan as a reusable titanium-immobilized affinity membrane for efficiently capturing phosphopeptides. <i>Green Chemistry</i> , 2022, 24, 238-250.	4.6	13
53	Synergistic synthesis of hydrophilic hollow zirconium organic frameworks for simultaneous recognition and capture of phosphorylated and glycosylated peptides. <i>Analytica Chimica Acta</i> , 2022, 1198, 339552.	2.6	23
54	Tailoring a multifunctional magnetic cationic metal-organic framework composite for synchronous enrichment of phosphopeptides/glycopeptides. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3560-3566.	2.9	15
55	One-step preparation of magnetic zwitterionic-hydrophilic dual functional nanospheres for in-depth glycopeptides analysis in Alzheimer's disease patients' serum. <i>Journal of Chromatography A</i> , 2022, 1669, 462929.	1.8	9
56	Metal organic frameworks as advanced adsorbent materials for separation and analysis of complex samples. <i>Journal of Chromatography A</i> , 2022, 1671, 462971.	1.8	11

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57	Inherently hydrophilic mesoporous channel coupled with metal oxide for fishing endogenous salivary glycopeptides and phosphopeptides. <i>Chinese Chemical Letters</i> , 2022, 33, 4695-4699.	4.8	24
58	Design and fabrication of highly hydrophilic magnetic material by anchoring l-cysteine onto chitosan for efficient enrichment of glycopeptides. <i>Chinese Chemical Letters</i> , 2023, 34, 107498.	4.8	9
59	Design of two-dimensional molybdenum trioxide-immobilized magnetic graphite nitride nanocomposites with multiple affinity sites for phosphopeptide enrichment. <i>Journal of Chromatography A</i> , 2022, 1678, 463374.	1.8	6
60	Hydrophilic, dual amino acidâ€functionalized zinc sulfide quantum dot for specific identification of glycopeptides from biological samples. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, .	0.7	1
61	Simultaneous enrichment and sequential separation of glycopeptides and phosphopeptides with poly-histidine functionalized microspheres. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	2
62	Materials, workflows and applications of IMAC for phosphoproteome profiling in the recent decade: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 158, 116862.	5.8	5
63	(Glycan Binding) Activityâ€Based Protein Profiling in Cells Enabled by Mass Spectrometryâ€Based Proteomics. <i>Israel Journal of Chemistry</i> , 2023, 63, .	1.0	0
64	Construction of dual-hydrophilic metal-organic framework with hierarchical porous structure for efficient glycopeptide enrichment. <i>Talanta</i> , 2023, 259, 124505.	2.9	5