# Christina M Woo

List of Publications by Year
in descending order



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|---|---|---|---|
| 34 papers | 1,292 citations | 471371 17 h-index | 377752 34 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 1192 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Isotope-targeted glycoproteomics (IsoTaG): a mass-independent platform for intact N- and O-glycopeptide discovery and analysis. Nature Methods, 2015, 12, 561-567. | 9.0 | 238 |
| 2 | Mapping and Quantification of Over 2000 O-linked Glycopeptides in Activated Human T Cells with Isotope-Targeted Glycoproteomics (Isotag). Molecular and Cellular Proteomics, 2018, 17, 764-775. | 2.5 | 138 |
| 3 | Engineering a Proximity-Directed O-GlcNAc Transferase for Selective Protein O-GlcNAcylation in Cells. ACS Chemical Biology, 2020, 15, 1059-1066. | 1.6 | 92 |
| 4 | Labeling Preferences of Diazirines with Protein Biomolecules. Journal of the American Chemical Society, 2021, 143, 6691-6700. | 6.6 | 92 |
| 5 | Development of IsoTaG, a Chemical Glycoproteomics Technique for Profiling Intact N- and O-Glycopeptides from Whole Cell Proteomes. Journal of Proteome Research, 2017, 16, 1706-1718. | 1.8 | 82 |
| 6 | Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. Nature Methods, 2021, 18, 1304-1316. | 9.0 | 74 |
| 7 | Small Molecule Interactome Mapping by Photoaffinity Labeling Reveals Binding Site Hotspots for the NSAIDs. Journal of the American Chemical Society, 2018, 140, 4259-4268. | 6.6 | 67 |
| 8 | Target protein deglycosylation in living cells by a nanobody-fused split O-GlcNAcase. Nature Chemical Biology, 2021, 17, 593-600. | 3.9 | 62 |
| 9 | Aspartate Residues Far from the Active Site Drive O-GlcNAc Transferase Substrate Selection. Journal of the American Chemical Society, 2019, 141, 12974-12978. | 6.6 | 53 |
| 10 | The Metabolic Chemical Reporter 6-Azido-6-deoxy-glucose Further Reveals the Substrate Promiscuity of O-GlcNAc Transferase and Catalyzes the Discovery of Intracellular Protein Modification by O-Glucose. Journal of the American Chemical Society, 2018, 140, 7092-7100. | 6.6 | 47 |
| 11 | A Binding Site Hotspot Map of the FKBP12â€“Rapamycinâ€“FRB Ternary Complex by Photoaffinity Labeling and Mass Spectrometry-Based Proteomics. Journal of the American Chemical Society, 2019, 141, 11759-11764. | 6.6 | 38 |
| 12 | Isotope-targeted glycoproteomics (IsoTaG) analysis of sialylated N- and O-glycopeptides on an Orbitrap Fusion Tribrid using azido and alkynyl sugars. Analytical and Bioanalytical Chemistry, 2017, 409, 579-588. | 1.9 | 26 |
| 13 | The O-GlcNAc Modification on Kinases. ACS Chemical Biology, 2020, 15, 602-617. | 1.6 | 24 |
| 14 | A metabolic labeling approach for glycoproteomic analysis reveals altered glycoprotein expression upon GALNT3 knockdown in ovarian cancer cells. Journal of Proteomics, 2016, 145, 91-102. | 1.2 | 21 |
| 15 | Mapping the Small Molecule Interactome by Mass Spectrometry. Biochemistry, 2018, 57, 186-193. | 1.2 | 21 |
| 16 | Development of Photolenalidomide for Cellular Target Identification. Journal of the American Chemical Society, 2022, 144, 606-614. | 6.6 | 20 |
| 17 | Discovery of a Celecoxib Binding Site on Prostaglandin E Synthase (PTGES) with a Cleavable Chelation-Assisted Biotin Probe. ACS Chemical Biology, 2019, 14, 2527-2532. | 1.6 | 19 |
| 18 | O-Acetylated Chemical Reporters of Glycosylation Can Display Metabolism-Dependent Background Labeling of Proteins but Are Generally Reliable Tools for the Identification of Glycoproteins. Frontiers in Chemistry, 2020, 8, 318. | 1.8 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Synthesis of an electronically-tuned minimally interfering alkynyl photo-affinity label to measure small moleculeâ€“protein interactions. Tetrahedron, 2018, 74, 3273-3277. | 1.0 | 17 |
| 20 | Isotope Targeted Glycoproteomics (IsoTaG) to Characterize Intact, Metabolically Labeled Glycopeptides from Complex Proteomes. Current Protocols in Chemical Biology, 2016, 8, 59-82. | 1.7 | 15 |
| 21 | Small Molecule Interactome Mapping by Photoâ€Affinity Labeling (SIMâ€PAL) to Identify Binding Sites of Small Molecules on a Proteomeâ€Wide Scale. Current Protocols in Chemical Biology, 2019, 11, e75. | 1.7 | 13 |
| 22 | Enantioselective Synthesis and Biological Evaluation of Sanglifehrinâ€...A and B and Analogs. Angewandte Chemie - International Edition, 2021, 60, 17045-17052. | 7.2 | 13 |
| 23 | Oâ€GlcNAc Engineering on a Target Protein in Cells with Nanobodyâ€OGT and Nanobodyâ€splitOGA. Current Protocols, 2021, 1, e117. | 1.3 | 12 |
| 24 | Truncation of the TPR domain of OGT alters substrate and glycosite selection. Analytical and Bioanalytical Chemistry, 2021, 413, 7385-7399. | 1.9 | 12 |
| 25 | The schizophrenia-associated variant in SLC39A8 alters protein glycosylation in the mouse brain. Molecular Psychiatry, 2022, 27, 1405-1415. | 4.1 | 11 |
| 26 | Writing and Erasing O-GlcNAc on Casein Kinase 2 Alpha Alters the Phosphoproteome. ACS Chemical Biology, 2022, 17, 1111-1121. | 1.6 | 10 |
| 27 | A chiral trick to map protein ligandability. Nature Chemistry, 2019, 11, 1080-1082. | 6.6 | 9 |
| 28 | A Chemoproteomics Approach to Profile Phospholipase D-Derived Phosphatidyl Alcohol Interactions. ACS Chemical Biology, 2022, 17, 3276-3283. | 1.6 | 9 |
| 29 | Proteomic dataset for altered glycoprotein expression upon GALNT3 knockdown in ovarian cancer cells. Data in Brief, 2016, 8, 342-349. | 0.5 | 7 |
| 30 | 4-Deoxy-4-fluoro-GalNAz (4FGalNAz) Is a Metabolic Chemical Reporter of O-GlcNAc Modifications, Highlighting the Notable Substrate Flexibility of O-GlcNAc Transferase. ACS Chemical Biology, 2022, 17, 159-170. | 1.6 | 6 |
| 31 | Ironing out New Antibiotic Mechanisms with Xanthocillin X. ACS Central Science, 2021, 7, 403-405. | 5.3 | 4 |
| 32 | The Crossroads of Glycoscience, Infection, and Immunology. Frontiers in Microbiology, 2021, 12, 731008. | 1.5 | 3 |
| 33 | Writing and erasing O-GlcNAc from target proteins in cells. Biochemical Society Transactions, 2021, 49, 2891-2901. | 1.6 | 3 |
| 34 | Enantioselective Synthesis and Biological Evaluation of Sanglifehrinâ€...A and B and Analogs. Angewandte Chemie, 2021, 133, 17182-17189. | 1.6 | 2 |