

# Shin-Yi Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

977  
citations

430874

18  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1311  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Critical functions of N-glycans in L-selectin-mediated lymphocyte homing and recruitment. <i>Nature Immunology</i> , 2007, 8, 409-418.  | 14.5 | 169       |
| 2  | Comparison of Methods for Profiling O-Glycosylation. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 719-727.   | 3.8  | 136       |
| 3  | Distinctive characteristics of MALDI-Q/TOF and TOF/TOF tandem mass spectrometry for sequencing of permethylated complex type N-glycans. <i>Glycoconjugate Journal</i> , 2006, 23, 355-369.  | 2.7  | 73        |
| 4  | Core3 O-Glycan Synthase Suppresses Tumor Formation and Metastasis of Prostate Carcinoma PC3 and LNCaP Cells through Down-regulation of $\beta$ 1 Integrin Complex. <i>Journal of Biological Chemistry</i> , 2009, 284, 17157-17169.           | 3.4  | 66        |
| 5  | Systems glycomics of adult zebrafish identifies organ-specific sialylation and glycosylation patterns. <i>Nature Communications</i> , 2018, 9, 4647.  | 12.8 | 65        |
| 6  | Enabling techniques and strategic workflow for sulfoglycomics based on mass spectrometry mapping and sequencing of permethylated sulfated glycans. <i>Glycobiology</i> , 2009, 19, 1136-1149.   | 2.5  | 60        |
| 7  | The expression of sialylated high-antennary N-glycans in edible bird's nest. <i>Carbohydrate Research</i> , 2008, 343, 1373-1377.   | 2.3  | 47        |
| 8  | Mass Spectrometric Analysis of Sulfated N- and O-Glycans. <i>Methods in Enzymology</i> , 2010, 478, 3-26.   | 1.0  | 40        |
| 9  | Prominent expression of sialyl Lewis X capped core branched N-glycans on high endothelial venule-like vessels in gastric MALT lymphoma. <i>Journal of Pathology</i> , 2011, 224, 67-77.   | 4.5  | 37        |
| 10 | KSGal6ST generates galactose-6-O-sulfate in high endothelial venules but does not contribute to L-selectin-dependent lymphocyte homing. <i>Glycobiology</i> , 2013, 23, 381-394.  | 2.5  | 34        |
| 11 | Investigating the function of Gdt1p in yeast Golgi glycosylation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 394-402.  | 2.4  | 29        |
| 12 | Glycomic mapping of O- and N-linked glycans from major rat sublingual mucin. <i>Glycoconjugate Journal</i> , 2008, 25, 199-212.   | 2.7  | 26        |
| 13 | Glycomic mapping of pseudomucinous human ovarian cyst glycoproteins: Identification of Lewis and sialyl Lewis glycotopes. <i>Proteomics</i> , 2007, 7, 3699-3717.   | 2.2  | 24        |
| 14 | Concerted mass spectrometry-based glycomic approach for precision mapping of sulfo sialylated N-glycans on human peripheral blood mononuclear cells and lymphocytes. <i>Glycobiology</i> , 2018, 28, 9-20.                                    | 2.5  | 24        |
| 15 | Distinct substrate specificities of human GlcNAc-6-sulfotransferases revealed by mass spectrometry-based sulfoglycomic analysis. <i>Journal of Biological Chemistry</i> , 2018, 293, 15163-15177.   | 3.4  | 24        |
| 16 | Core2 O-Glycan Structure Is Essential for the Cell Surface Expression of Sucrase Isomaltase and Dipeptidyl Peptidase-IV during Intestinal Cell Differentiation. <i>Journal of Biological Chemistry</i> , 2010, 285, 37683-37692.              | 3.4  | 23        |
| 17 | Analysis of protein-linked glycosylation in a sperm somatic cell adhesion system. <i>Glycobiology</i> , 2007, 17, 553-567.  | 2.5  | 21        |
| 18 | Identification of Further Elongation and Branching of Dimeric Type 1 Chain on Lactosylceramides from Colonic Adenocarcinoma by Tandem Mass Spectrometry Sequencing Analyses. <i>Journal of Biological Chemistry</i> , 2008, 283, 16455-16468. | 3.4  | 21        |

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|----|--|------|-----------|
| 19 | Priming mass spectrometry-based sulfoglycomic mapping for identification of terminal sulfated lacdiNAc glycotope. <i>Glycoconjugate Journal</i> , 2013, 30, 183-194.   | 2.7  | 16        |
| 20 | N-Glycosylation profiling of turtle egg yolk: expression of galabiose structure. <i>Carbohydrate Research</i> , 2010, 345, 442-448.  | 2.3  | 11        |
| 21 | Identification of blood group A/A <sup>b/y</sup> and B/B <sup>b/y</sup> active glycotopes co-expressed on the O <sup>b</sup> glycans isolated from two distinct human ovarian cyst fluids. <i>Proteomics</i> , 2009, 9, 3445-3462. | 2.2  | 8         |
| 22 | Heteropolysaccharides from <i>S. cerevisiae</i> show anti-adhesive properties against <i>E. coli</i> associated with Crohn's disease. <i>Carbohydrate Polymers</i> , 2021, 271, 118415.  | 10.2 | 8         |
| 23 | A single step method for purification of sulfated oligosaccharides. <i>Glycoconjugate Journal</i> , 2008, 25, 903-915.   | 2.7  | 6         |
| 24 | Tumor-Associated Glycans and Their Functional Roles in the Multistep Process of Human Cancer Progression. , 2015, , 139-158.   |      | 3         |
| 25 | <i>Macrobrachium rosenbergii</i> nodavirus virus-like particles attach to fucosylated glycans in the gills of the giant freshwater prawn. <i>Cellular Microbiology</i> , 2020, 22, e13258.   | 2.1  | 2         |
| 26 | Negative Ion Mode nanoLC-ESI-MS/MS Analyses of Permethylated Sulfated Glycans. <i>Bio-protocol</i> , 2020, 10, e3618.  | 0.4  | 2         |
| 27 | Permethylation and Microfractionation of Sulfated Glycans for MS Analysis. <i>Bio-protocol</i> , 2020, 10, e3617.  | 0.4  | 2         |