

# Shin-Ichiro Nishimura

## List of Publications by Year in descending order

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127  
papers

5,243  
citations

53794

45  
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106344

65  
g-index

134  
all docs

134  
docs citations

134  
times ranked

5152  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antifreeze Glycoproteins: Elucidation of the Structural Motifs That Are Essential for Antifreeze Activity. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 856-862.	13.8	186
2	High-Throughput Protein Glycomics: Combined Use of Chemoselective Glycoblotting and MALDI-TOF/TOF Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 91-96.	13.8	165
3	Tumor suppressor p16 <sup>INK4a</sup> is a modulator of glycomic profile and galectin-1 expression to increase susceptibility to carbohydrate-dependent induction of anoikis in pancreatic carcinoma cells. <i>FEBS Journal</i> , 2007, 274, 3233-3256.	4.7	141
4	Comprehensive Approach to Structural and Functional Glycomics Based on Chemoselective Glycoblotting and Sequential Tag Conversion. <i>Analytical Chemistry</i> , 2008, 80, 1094-1101.	6.5	136
5	Germ Cell Survival Through Carbohydrate-Mediated Interaction with Sertoli Cells. <i>Science</i> , 2002, 295, 124-127.	12.6	134
6	Cloning and expression of a human gene encoding an N-acetylgalactosamine-2,6-sialyltransferase (ST6GalNAc I): a candidate for synthesis of cancer-associated sialyl-Tn antigens. <i>Glycobiology</i> , 1999, 9, 1213-1224.	2.5	123
7	Rapid and Simple Solid-Phase Esterification of Sialic Acid Residues for Quantitative Glycomics by Mass Spectrometry. <i>Chemistry - A European Journal</i> , 2007, 13, 4797-4804.	3.3	115
8	CLEC10A Is a Specific Marker for Human CD1c+ Dendritic Cells and Enhances Their Toll-Like Receptor 7/8-Induced Cytokine Secretion. <i>Frontiers in Immunology</i> , 2018, 9, 744.	4.8	110
9	Tumour suppressor p16 <sup>INK4a</sup> favours decrease in N-glycan/cell surface sialylation by downregulation of enzymes in sialic acid biosynthesis in tandem in a pancreatic carcinoma model. <i>FEBS Journal</i> , 2012, 279, 4062-4080.	4.7	108
10	Rapid Microwave-Assisted Solid-Phase Glycopeptide Synthesis. <i>Organic Letters</i> , 2005, 7, 877-880.	4.6	107
11	Quantitative Glycomics of Human Whole Serum Glycoproteins Based on the Standardized Protocol for Liberating N-Glycans. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1437-1445.	3.8	105
12	Attomolar Detection of Influenza A Virus Hemagglutinin Human H1 and Avian H5 Using Glycan-Blotted Field Effect Transistor Biosensor. <i>Analytical Chemistry</i> , 2013, 85, 5641-5644.	6.5	95
13	Transfer of Ganglioside GM3 Oligosaccharide from a Water Soluble Polymer to Ceramide by Ceramide Glycanase. A Novel Approach for the Chemical-Enzymatic Synthesis of Glycosphingolipids. <i>Journal of the American Chemical Society</i> , 1997, 119, 10555-10556.	13.7	87
14	Combinatorial Synthesis of MUC1 Glycopeptides: Polymer Blotting Facilitates Chemical and Enzymatic Synthesis of Highly Complicated Mucin Glycopeptides. <i>Journal of the American Chemical Society</i> , 2005, 127, 11804-11818.	13.7	86
15	Identification of novel serum biomarkers of hepatocellular carcinoma using glycomic analysis. <i>Hepatology</i> , 2013, 57, 2314-2325.	7.3	86
16	Importance of Sialic Acid Residues Illuminated by Live Animal Imaging Using Phosphorylcholine Self-Assembled Monolayer-Coated Quantum Dots. <i>Journal of the American Chemical Society</i> , 2011, 133, 12507-12517.	13.7	83
17	Sialic Acid-focused Quantitative Mouse Serum Glycoproteomics by Multiple Reaction Monitoring Assay. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2354-2368.	3.8	81
18	Glycoblotting-Assisted N-Glycomics: Ammonium Carbamate Allows for Highly Efficient N-Glycan Release from Glycoproteins. <i>Analytical Chemistry</i> , 2010, 82, 10021-10029.	6.5	79

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19	BlotGlycoABC <sup>®</sup> , an Integrated Glycoblotting Technique for Rapid and Large Scale Clinical Glycomics. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 370-377.	3.8	77
20	An Essential Epitope of Anti-MUC1 Monoclonal Antibody KL-6 Revealed by Focused Glycopeptide Library. <i>Journal of the American Chemical Society</i> , 2009, 131, 17102-17109.	13.7	76
21	High performance polymer supports for enzyme-assisted synthesis of glycoconjugates. <i>Carbohydrate Research</i> , 1997, 305, 443-461.	2.3	74
22	Effects of synthetic antifreeze glycoprotein analogue on islet cell survival and function during cryopreservation. <i>Cryobiology</i> , 2006, 52, 90-98.	0.7	74
23	Allying with armored snails: the complete genome of gammaproteobacterial endosymbiont. <i>ISME Journal</i> , 2014, 8, 40-51.	9.8	72
24	Construction of Highly Glycosylated Mucin-Type Glycopeptides Based on Microwave-Assisted Solid-Phase Syntheses and Enzymatic Modifications. <i>Journal of Organic Chemistry</i> , 2006, 71, 3051-3063.	3.2	69
25	Structural and Functional Glycosphingolipidomics by Glycoblotting with an Aminoxy-Functionalized Gold Nanoparticle. <i>Biochemistry</i> , 2009, 48, 583-594.	2.5	69
26	Glycoblotting method allows for rapid and efficient glycome profiling of human Alzheimer's disease brain, serum and cerebrospinal fluid towards potential biomarker discovery. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1716-1727.	2.4	68
27	Essential and mutually compensatory roles of $\alpha$ -mannosidase II and $\alpha$ -mannosidase IIx in N-glycan processing in vivo in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8983-8988.	7.1	65
28	Chemoenzymatic Synthesis of Glycosylated Glucagon-like Peptide 1: Effect of Glycosylation on Proteolytic Resistance and in Vivo Blood Glucose-Lowering Activity. <i>Journal of the American Chemical Society</i> , 2009, 131, 6237-6245.	13.7	64
29	Toward automated glycan analysis. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2011, 65, 219-271.	0.9	61
30	Efficient and versatile synthesis of mucin-like glycoprotein mimics. <i>Tetrahedron</i> , 2002, 58, 10213-10224.	1.9	59
31	Direct and Efficient Monitoring of Glycosyltransferase Reactions on Gold Colloidal Nanoparticles by Using Mass Spectrometry. <i>Chemistry - A European Journal</i> , 2006, 12, 6478-6485.	3.3	59
32	Mechanism-based Fluorescent Labeling of $\beta$ -Galactosidases. <i>Journal of Biological Chemistry</i> , 2004, 279, 44704-44712.	3.4	58
33	Profiling of N- and O-glycopeptides of erythropoietin by capillary zwitterionic type of hydrophilic interaction chromatography/electrospray ionization mass spectrometry. <i>Journal of Separation Science</i> , 2008, 31, 1585-1593.	2.5	58
34	Analysis of N-glycan in serum glycoproteins from db/db mice and humans with type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1069-E1077.	3.5	57
35	Synthesis of an antifreeze glycoprotein analogue: efficient preparation of sequential glycopeptide polymers. <i>Chemical Communications</i> , 1996, , 2779.	4.1	55
36	Threshold in Stage-specific Embryonic Glycotypes Uncovered by a Full Portrait of Dynamic N-Glycan Expression during Cell Differentiation. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 523-537.	3.8	53

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37	Reverse Glycoblotting Allows Rapid Enrichment Glycoproteomics of Biopharmaceuticals and Disease-Related Biomarkers. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8808-8813.	13.8	51
38	Construction and Structural Characterization of Versatile Lactosaminoglycan-Related Compound Library for the Synthesis of Complex Glycopeptides and Glycosphingolipids. <i>Journal of Organic Chemistry</i> , 2006, 71, 9609-9621.	3.2	50
39	Artificial Golgi Apparatus: Globular Protein-like Dendrimer Facilitates Fully Automated Enzymatic Glycan Synthesis. <i>Journal of the American Chemical Society</i> , 2010, 132, 16651-16656.	13.7	50
40	Potent inhibitor scaffold against <i>Trypanosoma cruzi</i> trans-sialidase. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 1633-1640.	3.0	48
41	Clinical utility of high-throughput glycome analysis in patients with pancreatic cancer. <i>Journal of Gastroenterology</i> , 2013, 48, 1171-1179.	5.1	48
42	Serum tri- and tetra-antennary N-glycan is a potential predictive biomarker for castration-resistant prostate cancer. <i>Prostate</i> , 2014, 74, 1521-1529.	2.3	48
43	A comprehensive glycome profiling of Huntington's disease transgenic mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1704-1718.	2.4	48
44	Serum Glycan Markers for Evaluation of Disease Activity and Prediction of Clinical Course in Patients with Ulcerative Colitis. <i>PLoS ONE</i> , 2013, 8, e74861.	2.5	47
45	Delineating Binding Modes of Gal/GalNAc and Structural Elements of the Molecular Recognition of Tumor-Associated Mucin Glycopeptides by the Human Macrophage Galactose-Type Lectin. <i>Chemistry - A European Journal</i> , 2014, 20, 16147-16155.	3.3	46
46	Alterations of high-mannose type N-glycosylation in human and mouse osteoarthritis cartilage. <i>Arthritis and Rheumatism</i> , 2011, 63, 3428-3438.	6.7	44
47	Molecular Transporter Between Polymer Platforms: Highly Efficient Chemoenzymatic Glycopeptide Synthesis by the Combined Use of Solid-Phase and Water-Soluble Polymer Supports. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2534-2537.	13.8	40
48	Functional Neoglycopeptides: Synthesis and Characterization of a New Class of MUC1 Glycoprotein Models Having Core 2-Based O-Glycan and Complex-Type N-Glycan Chains. <i>Biochemistry</i> , 2009, 48, 11117-11133.	2.5	37
49	Chemical Synthesis, Folding, and Structural Insights into O-Fucosylated Epidermal Growth Factor-like Repeat 12 of Mouse Notch-1 Receptor. <i>Journal of the American Chemical Society</i> , 2010, 132, 14857-14865.	13.7	37
50	Serum N-Glycan Alteration Associated with Renal Cell Carcinoma Detected by High Throughput Glycan Analysis. <i>Journal of Urology</i> , 2014, 191, 805-813.	0.4	37
51	Healthy human serum N-glycan profiling reveals the influence of ethnic variation on the identified cancer-relevant glycan biomarkers. <i>PLoS ONE</i> , 2018, 13, e0209515.	2.5	37
52	Glycomics for Drug Discovery: Metabolic Perturbation in Androgen-Independent Prostate Cancer Cells Induced by Unnatural Hexosamine Mimics. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3386-3390.	13.8	36
53	The Quest for Anticancer Vaccines: Deciphering the Fine-Epitope Specificity of Cancer-Related Monoclonal Antibodies by Combining Microarray Screening and Saturation Transfer Difference NMR. <i>Journal of the American Chemical Society</i> , 2015, 137, 12438-12441.	13.7	35
54	Insight into Glycan Diversity and Evolutionary Lineage Based on Comparative Avio-N-glycomics and Sialic Acid Analysis of 88 Egg Whites of Galloanserae. <i>Biochemistry</i> , 2011, 50, 4757-4774.	2.5	34

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55	The Use of Fluoroprolin in MUC1 Antigen Enables Efficient Detection of Antibodies in Patients with Prostate Cancer. <i>Journal of the American Chemical Society</i> , 2017, 139, 18255-18261.	13.7	33
56	Sequential Glycoproteins: A Practical Method for the Synthesis of Antifreeze Glycoprotein Models Containing Base Labile Groups. <i>Macromolecules</i> , 2004, 37, 6771-6779.	4.8	31
57	A new class of mechanism-based inhibitors for <i>Trypanosoma cruzi</i> trans-sialidase and their influence on parasite virulence. <i>Glycobiology</i> , 2010, 20, 1034-1045.	2.5	31
58	Site-Specific Conformational Alteration Induced by Sialylation of MUC1 Tandem Repeating Glycopeptides at an Epitope Region for the Anti-KL-6 Monoclonal Antibody. <i>Biochemistry</i> , 2013, 52, 402-414.	2.5	31
59	A straightforward protocol for the preparation of high performance microarray displaying synthetic MUC1 glycopeptides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1105-1116.	2.4	30
60	Effects of the multiple O-glycosylation states on antibody recognition of the immunodominant motif in MUC1 extracellular tandem repeats. <i>MedChemComm</i> , 2016, 7, 1102-1122.	3.4	30
61	Exploring serum and immunoglobulin G N-glycome as diagnostic biomarkers for early detection of breast cancer in Ethiopian women. <i>BMC Cancer</i> , 2019, 19, 588.	2.6	30
62	An Efficient Approach for the Characterization of Mucin $\alpha$ -Type Glycopeptides: The Effect of O $\alpha$ -Glycosylation on the Conformation of Synthetic Mucin Peptides. <i>Chemistry - A European Journal</i> , 2011, 17, 2393-2404.	3.3	29
63	Aberrant N-Glycosylation Profile of Serum Immunoglobulins is a Diagnostic Biomarker of Urothelial Carcinomas. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2632.	4.1	29
64	Characterization of <i>Vibrio cholerae</i> Neuraminidase by a Novel Mechanism-Based Fluorescent Labeling Reagent. <i>Biochemistry</i> , 2005, 44, 11669-11675.	2.5	28
65	Unusual N-Glycan Structures in $\alpha$ -Mannosidase II/III Double Null Embryos Identified by a Systematic Glycomics Approach Based on Two-dimensional LC Mapping and Matrix-dependent Selective Fragmentation Method in MALDI-TOF/TOF Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 2146-2157.	3.8	28
66	Detection of Carcinoembryonic Antigens Using a Surface Plasmon Resonance Biosensor. <i>Sensors</i> , 2008, 8, 4282-4295.	3.8	28
67	Highly Efficient and Versatile Synthesis of Proteoglycan Core Structures from 1,6-Anhydro- $\beta$ -lactose as a Key Starting Material. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3074-3079.	13.8	27
68	Use of non $\alpha$ -invasive serum glycan markers to distinguish non $\alpha$ -alcoholic steatohepatitis from simple steatosis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2015, 30, 528-534.	2.8	26
69	A New Approach for the Synthesis of Hyperbranched N-Glycan Core Structures from Locust Bean Gum. <i>Organic Letters</i> , 2013, 15, 6278-6281.	4.6	24
70	Convergent Solid-Phase Synthesis of Macromolecular MUC1 Models Truly Mimicking Serum Glycoprotein Biomarkers of Interstitial Lung Diseases. <i>Journal of the American Chemical Society</i> , 2016, 138, 8392-8395.	13.7	24
71	Glycopeptides as Targets for Dendritic Cells: Exploring MUC1 Glycopeptides Binding Profile toward Macrophage Galactose-Type Lectin (MGL) Orthologs. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9012-9021.	6.4	24
72	Synthesis, conformational analysis and <i>in vivo</i> assays of an anti-cancer vaccine that features an unnatural antigen based on an sp <sup>2</sup> -iminosugar fragment. <i>Chemical Science</i> , 2020, 11, 3996-4006.	7.4	24

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73	Glycosylation Specific for Adhesion Molecules in Epidermis and Its Receptor Revealed by Glycoform-focused Reverse Genomics. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 232-244.	3.8	23
74	An efficient protocol for the solid-phase synthesis of glycopeptides under microwave irradiation. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1612.	2.8	23
75	Highly efficient oligosaccharide synthesis on water-soluble polymeric primers by recombinant glycosyltransferases immobilised on solid supports. <i>Chemical Communications</i> , 2001, , 1944-1945.	4.1	22
76	Impaired ATP6V0A2 expression contributes to Golgi dispersion and glycosylation changes in senescent cells. <i>Scientific Reports</i> , 2015, 5, 17342.	3.3	22
77	Synthetic Mucin-Like Glycopeptides as Versatile Tools to Measure Effects of Glycan Structure/Density/Position on the Interaction with Adhesion/Growth-Regulatory Galectins in Arrays. <i>Chemistry - an Asian Journal</i> , 2017, 12, 159-167.	3.3	22
78	An Engineered Hyaluronan Synthase. <i>Journal of Biological Chemistry</i> , 2004, 279, 2341-2349.	3.4	21
79	Quantitative glycomics monitoring of induced pluripotent- and embryonic stem cells during neuronal differentiation. <i>Stem Cell Research</i> , 2014, 13, 454-464.	0.7	21
80	Serum glycan as a prognostic marker in patients with advanced hepatocellular carcinoma treated with sorafenib. <i>Hepatology</i> , 2014, 59, 355-356.	7.3	21
81	Rapid Endolysosomal Escape and Controlled Intracellular Trafficking of Cell Surface Mimetic Quantum-Dots-Anchored Peptides and Glycopeptides. <i>ACS Chemical Biology</i> , 2015, 10, 2073-2086.	3.4	21
82	Generation of Novel Anti-MUC1 Monoclonal Antibodies with Designed Carbohydrate Specificities Using MUC1 Glycopeptide Library. <i>ACS Omega</i> , 2017, 2, 7493-7505.	3.5	21
83	An Engineered Biocatalyst for the Synthesis of Glycoconjugates: Utilization of $\beta$ 1,3-N-Acetyl-D-glucosaminyltransferase from <i>Streptococcus agalactiae</i> Type Ia Expressed in <i>Escherichia coli</i> as a Fusion with Maltose-Binding Protein. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 61.	4.3	20
84	Discovery of novel differentiation markers in the early stage of chondrogenesis by glycoform-focused reverse proteomics and genomics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 645-655.	2.4	19
85	Identification of glycosylated exendin-4 analogue with prolonged blood glucose-lowering activity through glycosylation scanning substitution. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4631-4634.	2.2	18
86	Aglycone-focused randomization of 2-difluoromethylphenyl-type sialoside suicide substrates for neuraminidases. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 2739-2746.	3.0	18
87	Synthetic Human NOTCH1 EGF Modules Unraveled Molecular Mechanisms for the Structural and Functional Roles of Calcium Ions and N-Glycans in the Ligand-Binding Region. <i>Biochemistry</i> , 2016, 55, 776-787.	2.5	18
88	Alteration of N-Glycan Profiles in Diabetic Retinopathy. , 2015, 56, 5316.		17
89	Glycosyltransferase Microarray Displayed on the Glycolipid LB Membrane. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 729-734.	4.3	16
90	A straightforward approach to antibodies recognising cancer specific glycopeptidic neoepitopes. <i>Chemical Science</i> , 2020, 11, 4999-5006.	7.4	16



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91	Effects of Single Genetic Damage in Carbohydrate-Recognizing Proteins in Mouse Serum N-Glycan Profile Revealed by Simple Glycotyping Analysis. <i>ChemBioChem</i> , 2012, 13, 451-464.	2.6	15
92	Effect of Ganglioside GM3 Synthase Gene Knockout on the Glycoprotein N-Glycan Profile of Mouse Embryonic Fibroblast. <i>ChemBioChem</i> , 2013, 14, 73-82.	2.6	15
93	Novel Thiosialosides Tethered to Metal Nanoparticles as Potent Influenza A Virus Haemagglutinin Blockers. <i>Antiviral Chemistry and Chemotherapy</i> , 2013, 23, 59-65.	0.6	15
94	Efficient synthesis of non-natural ganglioside (pseudo-GM3) and fluorescent labelled lysoGM3 on the basis of polymer-assisted enzymatic strategy. <i>Chemical Communications</i> , 1999, , 507-508.	4.1	14
95	Amplified Detection of Breast Cancer Autoantibodies Using MUC1-Based Tn Antigen Mimics. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8524-8533.	6.4	14
96	Cell growth arrest by sialic acid clusters in ganglioside GM3 mimetic polymers. <i>Glycobiology</i> , 2007, 17, 568-577.	2.5	13
97	Membrane-Bound Stable Glycosyltransferases: Highly Oriented Protein Immobilization by a C-Terminal Cationic Amphipathic Peptide. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1328-1331.	13.8	13
98	Serum N-Glycan Profiling Predicts Prognosis in Patients Undergoing Hemodialysis. <i>Scientific World Journal</i> , The, 2013, 2013, 1-10.	2.1	13
99	Serum N-glycan profiles in patients with intraductal papillary mucinous neoplasms of the pancreas. <i>Pancreatology</i> , 2015, 15, 432-438.	1.1	13
100	Microwave-Assisted Solid-Phase Synthesis of Antifreeze Glycopeptides. <i>Chemistry - A European Journal</i> , 2013, 19, 3913-3920.	3.3	12
101	Antiadhesive Nanosomes Facilitate Targeting of the Lysosomal GlcNAc Salvage Pathway through Derailed Cancer Endocytosis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14513-14518.	13.8	12
102	Impaired O-Glycosylation at Consecutive Threonine TTX Motifs in Mucins Generates Conformationally Restricted Cancer Neopeptides. <i>Biochemistry</i> , 2020, 59, 1221-1241.	2.5	12
103	Fast Epitope Mapping for the Anti-MUC1 Monoclonal Antibody by Combining a One-Bead-One-Glycopeptide Library and a Microarray Platform. <i>Chemistry - A European Journal</i> , 2014, 20, 15891-15902.	3.3	11
104	Large-Scale Glycomics of Livestock: Discovery of Highly Sensitive Serum Biomarkers Indicating an Environmental Stress Affecting Immune Responses and Productivity of Holstein Dairy Cows. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10578-10590.	5.2	11
105	Serum Aberrant N-Glycan Profile as a Marker Associated with Early Antibody-Mediated Rejection in Patients Receiving a Living Donor Kidney Transplant. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1731.	4.1	11
106	A Strategy for Neuraminidase Inhibitors Using Mechanism-Based Labeling Information. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1048-1056.	3.3	10
107	Synthesis of neoglycosphingolipid from methoxyamino-functionalized ceramide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1197-1200.	2.2	10
108	Alteration of serum N-glycan profile in patients with autoimmune pancreatitis. <i>Pancreatology</i> , 2016, 16, 44-51.	1.1	10

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109	Synthetic glycopeptides reveal specific binding pattern and conformational change at O-mannosylated position of $\beta$ -dystroglycan by POMGnT1 catalyzed GlcNAc modification. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2822-2831.	3.0	10
110	Chemical Synthesis Demonstrates That Dynamic O-Glycosylation Regulates the Folding and Functional Conformation of a Pivotal EGF12 Domain of the Human NOTCH1 Receptor. <i>Biochemistry</i> , 2017, 56, 4379-4391.	2.5	9
111	Synthetic Glycopeptides Allow for the Quantitation of Scarce Nonfucosylated IgG Fc $\alpha$ -Glycans of Therapeutic Antibody. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 889-894.	2.8	9
112	Serum N-glycan profiling can predict biopsy-proven graft rejection after living kidney transplantation. <i>Clinical and Experimental Nephrology</i> , 2020, 24, 174-184.	1.6	9
113	Antiadhesive nanosome elicits role of glycocalyx of tumor cell-derived exosomes in the organotropic cancer metastasis. <i>Biomaterials</i> , 2022, 280, 121314.	11.4	9
114	Toward Green and Sustainable Chemical Glycosylation: Enhanced Lewis Acidity of Recyclable Solid Super Acid Catalyst, SO <sub>4</sub> /ZrO <sub>2</sub> by CaCl <sub>2</sub> Doping. <i>Journal of Carbohydrate Chemistry</i> , 2011, 30, 575-586.	1.1	7
115	Macrocyclic Mechanism-Based Inhibitor for Neuraminidases. <i>Chemistry - A European Journal</i> , 2013, 19, 1364-1372.	3.3	7
116	Glycoblotting of Egg White Reveals Diverse $\alpha$ -Glycan Expression in Quail Species. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 531-540.	5.2	7
117	Glycoblotting-based high throughput protocol for the structural characterization of hyaluronan degradation products during enzymatic fragmentation. <i>Glycoconjugate Journal</i> , 2013, 30, 171-182.	2.7	6
118	Effect of Site-Specific $\alpha$ -Glycosylation on the Structural Behavior of NOTCH1 Receptor Extracellular EGF-like Domains 11 and 10. <i>Chemistry - A European Journal</i> , 2020, 26, 12363-12372.	3.3	6
119	Molecular shuttle between extracellular and cytoplasmic space allows for monitoring of GAG biosynthesis in human articular chondrocytes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1391-1398.	2.4	5
120	Synthetic glycopeptides as a designated standard in focused glycoproteomics to discover serum cancer biomarkers. <i>MedChemComm</i> , 2018, 9, 1351-1358.	3.4	5
121	BlotGlyco and glycoblotting for large scale, high throughput glycomics. <i>Trends in Glycoscience and Glycotechnology</i> , 2008, 20, 17-27.	0.1	5
122	Artificial Golgi Apparatus: Direct Monitoring of Glycosylation Reactions on Automated Glycosynthesizer. <i>ACS Symposium Series</i> , 2004, , 113-124.	0.5	3
123	Phosphorylcholine Self-Assembled Monolayer-Coated Quantum Dots: Real-Time Imaging of Live Animals by Cell Surface Mimetic Glyco-Nanoparticles. <i>Clinics in Laboratory Medicine</i> , 2012, 32, 73-87.	1.4	3
124	An Efficient Glycoblotting-Based Analysis of Oxidized Lipids in Liposomes and a Lipoprotein. <i>ChemBioChem</i> , 2017, 18, 1903-1909.	2.6	2
125	Antiadhesive Nanosomes Facilitate Targeting of the Lysosomal GlcNAc Salvage Pathway through Derailed Cancer Endocytosis. <i>Angewandte Chemie</i> , 2019, 131, 14655-14660.	2.0	2
126	Frontispiece: Effect of Site-Specific $\alpha$ -Glycosylation on the Structural Behavior of NOTCH1 Receptor Extracellular EGF-like Domains 11 and 10. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0



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127	Differentiation Biomarkers of Osteoarthritis Determined by Glycoblotting. Biomarkers in Disease, 2016, , 1-25.	0.1	0