Ola Blixt

List of Publications by Year in descending order

63 papers	4,132 citations	236612 25 h-index	123241 61 g-index
65 all docs	65 docs citations	65 times ranked	4494 citing authors

#	Article	IF	Citations
1	Printed covalent glycan array for ligand profiling of diverse glycan binding proteins. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17033-17038.	3.3	1,039
2	Galectin-1, -2, and -3 Exhibit Differential Recognition of Sialylated Glycans and Blood Group Antigens. Journal of Biological Chemistry, 2008, 283, 10109-10123.	1.6	374
3	Carbohydrate microarrays. Chemical Society Reviews, 2013, 42, 4310-4326.	18.7	230
4	Cancer Biomarkers Defined by Autoantibody Signatures to Aberrant O-Glycopeptide Epitopes. Cancer Research, 2010, 70, 1306-1313.	0.4	227
5	Sialoside Specificity of the Siglec Family Assessed Using Novel Multivalent Probes. Journal of Biological Chemistry, 2003, 278, 31007-31019.	1.6	200
6	RIFINs are adhesins implicated in severe Plasmodium falciparum malaria. Nature Medicine, 2015, 21, 314-317.	15.2	166
7	Autoantibodies to aberrantly glycosylated MUC1 in early stage breast cancer are associated with a better prognosis. Breast Cancer Research, 2011, 13, R25.	2.2	165
8	Dimeric Galectin-1 Binds with High Affinity to Î±2,3-Sialylated and Non-sialylated Terminal N-Acetyllactosamine Units on Surface-bound Extended Glycans. Journal of Biological Chemistry, 2005, 280, 5549-5562.	1.6	142
9	Seromic profiling of colorectal cancer patients with novel glycopeptide microarray. International Journal of Cancer, 2011, 128, 1860-1871.	2.3	122
10	High-level expression of the Neisseria meningitidis lgtA gene in Escherichia coli and characterization of the encoded N-acetylglucosaminyltransferase as a useful catalyst in the synthesis of GlcNAcÂ1->3Gal and GalNAcÂ1->3Gal linkages. Glycobiology, 1999, 9, 1061-1071.	1.3	96
11	Chemoenzymatic synthesis of 2-azidoethyl-ganglio-oligosaccharides GD3, GT3, GM2, GD2, GT2, GM1, and GD1a. Carbohydrate Research, 2005, 340, 1963-1972.	1.1	95
12	Sialoside Analogue Arrays for Rapid Identification of High Affinity Siglec Ligands. Journal of the American Chemical Society, 2008, 130, 6680-6681.	6.6	88
13	A High-Throughput O-Glycopeptide Discovery Platform for Seromic Profiling. Journal of Proteome Research, 2010, 9, 5250-5261.	1.8	84
14	Efficient Chemoenzymatic Synthesis of O-Linked Sialyl Oligosaccharides. Journal of the American Chemical Society, 2002, 124, 5739-5746.	6.6	79
15	Glycan microarrays for screening sialyltransferase specificities. Glycoconjugate Journal, 2008, 25, 59-68.	1.4	77
16	Immunization with DNA Plasmids Coding for Crimean-Congo Hemorrhagic Fever Virus Capsid and Envelope Proteins and/or Virus-Like Particles Induces Protection and Survival in Challenged Mice. Journal of Virology, 2017, 91, .	1.5	73
17	Efficient Preparation of Natural and Synthetic Galactosides with a Recombinant Î²-1,4-Galactosyltransferase-/UDP-4â€˜-Gal Epimerase Fusion Protein. Journal of Organic Chemistry, 2001, 66, 2442-2448.	1.7	72
18	Pathogen specific carbohydrate antigen microarrays: a chip for detection of Salmonella O-antigen specific antibodies. Glycoconjugate Journal, 2008, 25, 27-36.	1.4	63

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19	Chemoenzymatic Synthesis of Glycan Libraries. Methods in Enzymology, 2006, 415, 137-153.	0.4	61
20	Biocatalytic Preparation of N-Glycolylneuraminic Acid, Deaminoneuraminic Acid (KDN) and 9-Azido-9-deoxysialic Acid Oligosaccharides. Advanced Synthesis and Catalysis, 2003, 345, 687-690.	2.1	40
21	Analysis of Tn antigenicity with a panel of new IgM and IgG1 monoclonal antibodies raised against leukemic cells. Glycobiology, 2012, 22, 529-542.	1.3	36
22	Primary Breast Cancer Tumours Contain High Amounts of IgA1 Immunoglobulin: An Immunohistochemical Analysis of a Possible Carrier of the Tumour-Associated Tn Antigen. PLoS ONE, 2013, 8, e61749.	1.1	36
23	Chemoselective Reagents for Covalent Capture and Display of Glycans in Microarrays. European Journal of Organic Chemistry, 2010, 2010, 540-554.	1.2	35
24	Random Glycopeptide Bead Libraries for Seromic Biomarker Discovery. Journal of Proteome Research, 2010, 9, 6705-6714.	1.8	31
25	Characterization of the Viral O -Glycopeptidome: a Novel Tool of Relevance for Vaccine Design and Serodiagnosis. Journal of Virology, 2012, 86, 6268-6278.	1.5	30
26	A Diverse Range of Bacterial and Eukaryotic Chitinases Hydrolyzes the LacNAc (GalÎ²1â€“4GlcNAc) and LacdiNAc (GalNAcÎ²1â€“4GlcNAc) Motifs Found on Vertebrate and Insect Cells. Journal of Biological Chemistry, 2015, 290, 5354-5366.	1.6	25
27	Host Range of Influenza A Virus H1 to H16 in Eurasian Ducks Based on Tissue and Receptor Binding Studies. Journal of Virology, 2021, 95, .	1.5	23
28	Arraying the post-translational glycoproteome (PTG). Current Opinion in Chemical Biology, 2014, 18, 62-69.	2.8	22
29	Effect of Noncanonical Amino Acids on Proteinâ€“Carbohydrate Interactions: Structure, Dynamics, and Carbohydrate Affinity of a Lectin Engineered with Fluorinated Tryptophan Analogs. ACS Chemical Biology, 2018, 13, 2211-2219.	1.6	22
30	Epitope-mapping of the glycoprotein from Crimean-Congo hemorrhagic fever virus using a microarray approach. PLoS Neglected Tropical Diseases, 2018, 12, e0006598.	1.3	22
31	New derivatives of reducing oligosaccharides and their use in enzymatic reactions: efficient synthesis of sialyl Lewis a and sialyl dimeric Lewis x glycoconjugates. Carbohydrate Research, 2000, 328, 525-531.	1.1	21
32	Characterization of avian influenza virus attachment patterns to human and pig tissues. Scientific Reports, 2018, 8, 12215.	1.6	20
33	Intra-tumour IgA1 is common in cancer and is correlated with poor prognosis in bladder cancer.. Heliyon, 2016, 2, e00143.	1.4	19
34	Diverse IgG serum response to novel glycopeptide epitopes detected within immunodominant stretches of Epstein-Barr virus glycoprotein 350/220: diagnostic potential of O-glycopeptide microarrays. Glycoconjugate Journal, 2013, 30, 633-640.	1.4	18
35	A novel monoclonal antibody to a defined peptide epitope in MUC16. Glycobiology, 2015, 25, 1172-1182.	1.3	17
36	Recombinant Glycoprotein E of Varicella Zoster Virus Contains Glycan-Peptide Motifs That Modulate B Cell Epitopes into Discrete Immunological Signatures. International Journal of Molecular Sciences, 2019, 20, 954.	1.8	17

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37	A Graphene-Based Glycan Biosensor for Electrochemical Label-Free Detection of a Tumor-Associated Antibody. Sensors, 2019, 19, 5409.	2.1	17
38	Characterization of an immunodominant cancer-specific O-glycopeptide epitope in murine podoplanin (OTS8). Glycoconjugate Journal, 2010, 27, 571-582.	1.4	16
39	Cytotoxic activity against human neuroblastoma and melanoma cells mediated by <scp>IgM</scp> antibodies derived from peripheral blood of healthy donors. International Journal of Cancer, 2016, 138, 2963-2973.	2.3	16
40	Specificity of human natural antibodies referred to as anti-Tn. Molecular Immunology, 2020, 120, 74-82.	1.0	16
41	Epitope mapping of a new anti-Tn antibody detecting gastric cancer cells. Glycobiology, 2017, 27, 635-645.	1.3	15
42	Synthesis of Cholesterolâ€Substituted Glycopeptides for Tailorâ€Made Glycocalyxification of Artificial Membrane Systems. ChemBioChem, 2016, 17, 1403-1406.	1.3	14
43	Viral Oâ€GalNAc peptide epitopes: a novel potential target in viral envelope glycoproteins. Reviews in Medical Virology, 2016, 26, 34-48.	3.9	14
44	PODO447: a novel antibody to a tumor-restricted epitope on the cancer antigen podocalyxin. , 2020, 8, e001128.		14
45	Combining Click Reactions for the One-Pot Synthesis of Modular Biomolecule Mimetics. Organic Letters, 2019, 21, 7544-7548.	2.4	12
46	Synthesis of BODIPYâ€Labeled Cholesterylated Glycopeptides by Tandem Click Chemistry for Glycocalyxification of Giant Unilamellar Vesicles (GUVs). Chemistry - A European Journal, 2017, 23, 9472-9476.	1.7	10
47	Repertoire of Abs primed by bacteria in gnotobiotic mice. Innate Immunity, 2018, 24, 180-187.	1.1	10
48	Optimization of the Small Glycan Presentation for Binding a Tumor-Associated Antibody: Application to the Construction of an Ultrasensitive Glycan Biosensor. Langmuir, 2017, 33, 2709-2716.	1.6	9
49	Facile solid-phase ruthenium assisted azide-alkyne cycloaddition (RuAAC) utilizing the Cpâ^—RuCl(COD)-catalyst. Tetrahedron Letters, 2017, 58, 2272-2275.	0.7	9
50	Synthesis of O-Glycopeptides and Construction of Glycopeptide Microarrays. Methods in Molecular Biology, 2013, 1047, 201-214.	0.4	9
51	Linear Multiepitope (Glyco)peptides for Type-Specific Serology of Herpes Simplex Virus (HSV) Infections. ACS Infectious Diseases, 2017, 3, 360-367.	1.8	8
52	A novel monoclonal antibody targeting carboxymethyllysine, an advanced glycation end product in atherosclerosis and pancreatic cancer. PLoS ONE, 2018, 13, e0191872.	1.1	8
53	ABO Blood Group Antigen Decorated Giant Unilamellar Vesicles Exhibit Distinct Interactions with Plasmodium falciparum Infected Red Blood Cells. ACS Chemical Biology, 2018, 13, 2421-2426.	1.6	7
54	Strategies for Synthesis of an Oligosaccharide Library Using a Chemoenzymatic Approach. ACS Symposium Series, 2004, , 93-112.	0.5	6

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55	Clustering of Giant Unilamellar Vesicles Promoted by Covalent and Noncovalent Bonding of Functional Groups at Membrane-Embedded Peptides. Bioconjugate Chemistry, 2019, 30, 2156-2164.	1.8	6
56	A Combinatory Antibodyâ€“Antigen Microarray Assay for High-Content Screening of Single-Chain Fragment Variable Clones from Recombinant Libraries. PLoS ONE, 2016, 11, e0168761.	1.1	6
57	Synthetic glycobiology. Interface Focus, 2019, 9, 20190004.	1.5	5
58	Glycan Microarray Analysis of Tumor-Associated Antibodies. , 2012, , 283-306.		4
59	Reversible derivatization of sugars with carbobenzyloxy groups and use of the derivatives in solution-phase enzymatic oligosaccharide synthesis. Carbohydrate Research, 2021, 502, 108272.	1.1	4
60	Evaluation of Sialyl-Lactotetra as a Marker for Epithelial Ovarian Tumors. Frontiers in Oncology, 2020, 10, 561888.	1.3	3
61	Amplified suspension magnetic bead-based assay for sensitive detection of anti-glycan antibodies as potential cancer biomarkers. Analytica Chimica Acta, 2022, 1195, 339444.	2.6	3
62	Synthesis of Oligo-(alkyne-triplet)peptide Constructs. Organic Letters, 2017, 19, 6522-6525.	2.4	2
63	Engineering the Ligand Specificity of the Human Galectinâ€1 by Incorporation of Tryptophan Analogues. ChemBioChem, 2022, , .	1.3	2