

Aristotelis Antonopoulos

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,194
citations

212478

28
h-index

263392

45
g-index

56
all docs

56
docs citations

56
times ranked

4149
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of erythrocyte membrane mannoses to assess splenic function. <i>British Journal of Haematology</i> , 2022, , .	1.2	3
2	Site-specific characterization of SARS-CoV-2 spike glycoprotein receptor-binding domain. <i>Glycobiology</i> , 2021, 31, 181-187.	1.3	40
3	Red blood cell mannoses as phagocytic ligands mediating both sickle cell anaemia and malaria resistance. <i>Nature Communications</i> , 2021, 12, 1792.	5.8	16
4	Loss of α 2-6 sialylation promotes the transformation of synovial fibroblasts into a pro-inflammatory phenotype in arthritis. <i>Nature Communications</i> , 2021, 12, 2343.	5.8	28
5	Efficient inhibition of O-glycan biosynthesis using the hexosamine analog Ac5GalNTGc. <i>Cell Chemical Biology</i> , 2021, 28, 699-710.e5.	2.5	11
6	Major differences in glycosylation and fucosyltransferase expression in low-grade versus high-grade bladder cancer cell lines. <i>Glycobiology</i> , 2021, 31, 1444-1463.	1.3	8
7	Metabolic precision labeling enables selective probing of O-linked <i>N</i> -acetylgalactosamine glycosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25293-25301.	3.3	55
8	Vulpeculin: a novel and abundant lipocalin in the urine of the common brushtail possum, <i>Trichosurus vulpecula</i> . <i>Open Biology</i> , 2020, 10, 200218.	1.5	2
9	Analysis of N- and O-Linked Glycosylation: Differential Glycosylation after Rat Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 1954-1962.	1.7	10
10	Altered glycosylation of glycodelin in endometrial carcinoma. <i>Laboratory Investigation</i> , 2020, 100, 1014-1025.	1.7	16
11	Discovery of O-Linked Carbohydrate on HIV-1 Envelope and Its Role in Shielding against One Category of Broadly Neutralizing Antibodies. <i>Cell Reports</i> , 2020, 30, 1862-1869.e4.	2.9	25
12	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. <i>PLoS ONE</i> , 2020, 15, e0228507.	1.1	13
13	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
14	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
15	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
16	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
17	Serum IgA1 shows increased levels of α 2,6-linked sialic acid in breast cancer. <i>Interface Focus</i> , 2019, 9, 20180079.	1.5	18
18	Human B Cell Differentiation Is Characterized by Progressive Remodeling of O-Linked Glycans. <i>Frontiers in Immunology</i> , 2018, 9, 2857.	2.2	37

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19	XBP1s activation can globally remodel N-glycan structure distribution patterns. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10089-E10098.	3.3	41
20	The mucinous domain of pancreatic carboxyl-ester lipase (CEL) contains core 1/core 2 O-glycans that can be modified by ABO blood group determinants. Journal of Biological Chemistry, 2018, 293, 19476-19491.	1.6	14
21	Thioglycosides Are Efficient Metabolic Decoys of Glycosylation that Reduce Selectin Dependent Leukocyte Adhesion. Cell Chemical Biology, 2018, 25, 1519-1532.e5.	2.5	27
22	Partial correction of neutrophil dysfunction by oral galactose therapy in glycogen storage disease type Ib. International Immunopharmacology, 2017, 44, 216-225.	1.7	8
23	HEK293T cell lines defective for O-linked glycosylation. PLoS ONE, 2017, 12, e0179949.	1.1	21
24	Glycosphingolipids on Human Myeloid Cells Stabilize E-Selectin-Dependent Rolling in the Multistep Leukocyte Adhesion Cascade. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 718-727.	1.1	32
25	Cellular O-Glycome Reporter/Amplification to explore O-glycans of living cells. Nature Methods, 2016, 13, 81-86.	9.0	81
26	ST3Gal-4 is the primary sialyltransferase regulating the synthesis of E-, P-, and L-selectin ligands on human myeloid leukocytes. Blood, 2015, 125, 687-696.	0.6	70
27	Enhanced Aromatic Sequons Increase Oligosaccharyltransferase Glycosylation Efficiency and Glycan Homogeneity. Chemistry and Biology, 2015, 22, 1052-1062.	6.2	36
28	XBP1s Links the Unfolded Protein Response to the Molecular Architecture of Mature N-Glycans. Chemistry and Biology, 2015, 22, 1301-1312.	6.2	35
29	Glycosphingolipid synthesis inhibition limits osteoclast activation and myeloma bone disease. Journal of Clinical Investigation, 2015, 125, 2279-2292.	3.9	39
30	An <i>In Vivo</i> Functional Screen Identifies ST6GalNAc2 Sialyltransferase as a Breast Cancer Metastasis Suppressor. Cancer Discovery, 2014, 4, 304-317.	7.7	76
31	JAGN1 deficiency causes aberrant myeloid cell homeostasis and congenital neutropenia. Nature Genetics, 2014, 46, 1021-1027.	9.4	119
32	Discrimination of varietal wines according to their volatiles. Food Chemistry, 2014, 159, 181-187.	4.2	24
33	Unique, Polyfucosylated Glycan-Receptor Interactions Are Essential for Regeneration of <i>Hydra magnipapillata</i> . ACS Chemical Biology, 2014, 9, 147-155.	1.6	13
34	The use of surface immobilization of P-selectin glycoprotein ligand-1 on mesenchymal stem cells to facilitate selectin mediated cell tethering and rolling. Biomaterials, 2013, 34, 8213-8222.	5.7	45
35	Novel expression of <i>Haemonchus contortus</i> vaccine candidate aminopeptidase H11 using the free-living nematode <i>Caenorhabditis elegans</i> . Veterinary Research, 2013, 44, 111.	1.1	43
36	Differential immunogenicity and allergenicity of native and recombinant human lactoferrins: Role of glycosylation. European Journal of Immunology, 2013, 43, 170-181.	1.6	36

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37	Synthesis of Biologically Active <i>N</i> - and <i>O</i> -Linked Glycans with Multisialylated Poly- <i>N</i> -acetyllactosamine Extensions Using <i>P. damsela</i> β 2-6 Sialyltransferase. <i>Journal of the American Chemical Society</i> , 2013, 135, 18280-18283.	6.6	55
38	Competition between Core-2 GlcNAc-transferase and ST6GalNAc-transferase Regulates the Synthesis of the Leukocyte Selectin Ligand on Human P-selectin Glycoprotein Ligand-1. <i>Journal of Biological Chemistry</i> , 2013, 288, 13974-13987.	1.6	44
39	Glycomic analysis of human mast cells, eosinophils and basophils. <i>Glycobiology</i> , 2012, 22, 12-22.	1.3	27
40	Loss of Effector Function of Human Cytolytic T Lymphocytes Is Accompanied by Major Alterations in N- and O-Glycosylation. <i>Journal of Biological Chemistry</i> , 2012, 287, 11240-11251.	1.6	38
41	Global metabolic inhibitors of sialyl- and fucosyltransferases remodel the glycome. <i>Nature Chemical Biology</i> , 2012, 8, 661-668.	3.9	347
42	G6PC3 mutations are associated with a major defect of glycosylation: a novel mechanism for neutrophil dysfunction. <i>Glycobiology</i> , 2011, 21, 914-924.	1.3	78
43	Peracetylated 4-Fluoro-glucosamine Reduces the Content and Repertoire of N- and O-Glycans without Direct Incorporation. <i>Journal of Biological Chemistry</i> , 2011, 286, 21717-21731.	1.6	59
44	Early Murine T-lymphocyte Activation Is Accompanied by a Switch from N-Glycolyl- to N-Acetyl-neuraminic Acid and Generation of Ligands for Siglec-E. <i>Journal of Biological Chemistry</i> , 2011, 286, 34522-34532.	1.6	42
45	Identification of Neutrophil Granule Glycoproteins as Lewisx-containing Ligands Cleared by the Scavenger Receptor C-type Lectin. <i>Journal of Biological Chemistry</i> , 2011, 286, 24336-24349.	1.6	35
46	Glycosylation of mouse and human immune cells: insights emerging from N-glycomics analyses. <i>Biochemical Society Transactions</i> , 2011, 39, 1334-1340.	1.6	46
47	Physiological and glycomic characterization of N-acetylglucosaminyltransferase-IVa and -IVb double deficient mice. <i>Glycobiology</i> , 2010, 20, 485-497.	1.3	51
48	Over-expression of ST3Gal-I promotes mammary tumorigenesis. <i>Glycobiology</i> , 2010, 20, 1241-1250.	1.3	124
49	Mass Spectrometric Analysis of Mutant Mice. <i>Methods in Enzymology</i> , 2010, 478, 27-77.	0.4	50
50	Composition and Distribution of Carrabiose Moieties in Hybrid β ¹ - β ¹ -Carrageenans Using Carrageenases. <i>Biomacromolecules</i> , 2008, 9, 408-415.	2.6	52
51	On-line liquid chromatography-electrospray ionisation mass spectrometry for β -carrageenan oligosaccharides with a porous graphitic carbon column. <i>Journal of Chromatography A</i> , 2007, 1147, 37-41.	1.8	25
52	Tandem mass spectrometry for the characterisation of sulphated-phosphorylated analogues of the carbohydrate-protein linkage region of proteoglycans. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1628-1636.	0.7	5
53	Matrix-assisted laser desorption/ionisation mass spectrometry for the direct analysis of enzymatically digested κ -iota- and hybridiota/nu-carrageenans. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2217-2226.	0.7	17
54	On-Line Liquid Chromatography Electrospray Ionization Mass Spectrometry for the Characterization of β ¹ - and β ¹ ₂ -Carrageenans. Application to the Hybrid β ¹ - β ¹ ₂ -Carrageenans. <i>Analytical Chemistry</i> , 2005, 77, 4125-4136.	3.2	25

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55	Isolation of Î²-carrageenan oligosaccharides using ion-pair liquid chromatographyâ€”characterisation by electrospray ionisation mass spectrometry in positive-ion mode. Carbohydrate Research, 2004, 339, 1301-1309.	1.1	32