

Thierry Hennet

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,834
citations

201674

27
h-index

276875

41
g-index

42
all docs

42
docs citations

42
times ranked

4421
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms and consequences of intestinal dysbiosis. Cellular and Molecular Life Sciences, 2017, 74, 2959-2977.	5.4	401
2	Sialic acid catabolism drives intestinal inflammation and microbial dysbiosis in mice. Nature Communications, 2015, 6, 8141.	12.8	168
3	Congenital disorders of glycosylation: an update on defects affecting the biosynthesis of dolichol-linked oligosaccharides. Human Mutation, 2009, 30, 1628-1641.	2.5	166
4	Oral supplementation of healthy adults with 2- <i>O</i> -fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota. British Journal of Nutrition, 2016, 116, 1356-1368.	2.3	148
5	Core Glycosylation of Collagen Is Initiated by Two β (1- <i>O</i>)Galactosyltransferases. Molecular and Cellular Biology, 2009, 29, 943-952.	2.3	126
6	NANS-mediated synthesis of sialic acid is required for brain and skeletal development. Nature Genetics, 2016, 48, 777-784.	21.4	125
7	CDG nomenclature: Time for a change!. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 825-826.	3.8	123
8	MPDU1 mutations underlie a novel human congenital disorder of glycosylation, designated type If. Journal of Clinical Investigation, 2001, 108, 1687-1695.	8.2	115
9	Diseases of glycosylation beyond classical congenital disorders of glycosylation. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1306-1317.	2.4	113
10	Milk sialyllactose influences colitis in mice through selective intestinal bacterial colonization. Journal of Experimental Medicine, 2010, 207, 2843-2854.	8.5	110
11	Congenital disorders of glycosylation: a concise chart of glycoalyx dysfunction. Trends in Biochemical Sciences, 2015, 40, 377-384.	7.5	109
12	Deficiency in COG5 causes a moderate form of congenital disorders of glycosylation. Human Molecular Genetics, 2009, 18, 4350-4356.	2.9	104
13	Collagen glycosylation. Current Opinion in Structural Biology, 2019, 56, 131-138.	5.7	92
14	Milk oligosaccharide sialyl(β 2,3)lactose activates intestinal CD11c ⁺ cells through TLR4. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17444-17449.	7.1	89
15	Selective proliferation of intestinal <i>Barnesiella</i> under fucosyllactose supplementation in mice. British Journal of Nutrition, 2014, 111, 1602-1610.	2.3	81
16	Breastfed at Tiffany's. Trends in Biochemical Sciences, 2016, 41, 508-518.	7.5	69
17	Multi-allelic origin of congenital disorder of glycosylation (CDG)-Ic. Human Genetics, 2000, 106, 538-545.	3.8	62
18	Emergence and significance of carbohydrate-specific antibodies. Genes and Immunity, 2020, 21, 224-239.	4.1	58

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19	Human RFT1 Deficiency Leads to a Disorder of N-Linked Glycosylation. <i>American Journal of Human Genetics</i> , 2008, 82, 600-606.	6.2	53
20	Molecular cloning of a human UDP-galactose:GlcNAc β 1,3GalNAc β 1,3 galactosyltransferase gene encoding an O-linked core3-elongation enzyme. <i>FEBS Journal</i> , 1999, 263, 571-576.	0.2	52
21	Collagen Accumulation in Osteosarcoma Cells lacking GLT25D1 Collagen Galactosyltransferase. <i>Journal of Biological Chemistry</i> , 2016, 291, 18514-18524.	3.4	49
22	Alleviation of Intestinal Inflammation by Oral Supplementation With 2-Fucosyllactose in Mice. <i>Frontiers in Microbiology</i> , 2019, 10, 1385.	3.5	49
23	Molecular Basis for Galactosylation of Core Fucose Residues in Invertebrates. <i>Journal of Biological Chemistry</i> , 2009, 284, 36223-36233.	3.4	48
24	Biallelic COLGALT1 variants are associated with cerebral small vessel disease. <i>Annals of Neurology</i> , 2018, 84, 843-853.	5.3	46
25	Antiviral potential of α -sialyllactose- and β -sialyllactose-conjugated dendritic polymers against human and avian influenza viruses. <i>Scientific Reports</i> , 2020, 10, 768.	3.3	45
26	Mimivirus Collagen Is Modified by Bifunctional Lysyl Hydroxylase and Glycosyltransferase Enzyme. <i>Journal of Biological Chemistry</i> , 2011, 286, 43701-43709.	3.4	42
27	Maternal Human Milk Oligosaccharide Profile Modulates the Impact of an Intervention with Iron and Galacto-Oligosaccharides in Kenyan Infants. <i>Nutrients</i> , 2019, 11, 2596.	4.1	35
28	Significance of fucose in intestinal health and disease. <i>Molecular Microbiology</i> , 2021, 115, 1086-1093.	2.5	28
29	Multi-allelic origin of congenital disorder of glycosylation (CDG)-Ic. <i>Human Genetics</i> , 2000, 106, 538-545.	3.8	25
30	Glycosylation site occupancy in health, congenital disorder of glycosylation and fatty liver disease. <i>Scientific Reports</i> , 2016, 6, 33927.	3.3	17
31	Identification of Domains and Amino Acids Essential to the Collagen Galactosyltransferase Activity of GLT25D1. <i>PLoS ONE</i> , 2011, 6, e29390.	2.5	14
32	Decoding breast milk oligosaccharides. <i>Swiss Medical Weekly</i> , 2014, 144, w13927.	1.6	14
33	From glycosylation disorders back to glycosylation: What have we learned?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 921-924.	3.8	12
34	O-Linked glycosylation in <i>Acanthamoeba polyphaga</i> mimivirus. <i>Glycobiology</i> , 2014, 24, 703-714.	2.5	10
35	Increased Antibody Response to Fucosylated Oligosaccharides and Fucose-Carrying Bacteroides Species in Crohn's Disease. <i>Frontiers in Microbiology</i> , 2020, 11, 1553.	3.5	10
36	Intestinal inflammation alters mucosal carbohydrate foraging and monosaccharide incorporation into microbial glycans. <i>Cellular Microbiology</i> , 2021, 23, e13269.	2.1	10

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37	Giant mimivirus R707 encodes a glycogenin paralogue polymerizing glucose through $\hat{1}\pm$ - and $\hat{1}^2$ -glycosidic linkages. <i>Biochemical Journal</i> , 2016, 473, 3451-3462.	3.7	7
38	Custom Glycosylation of Cells and Proteins Using Cyclic Carbamate-Derivatized Oligosaccharides. <i>Cell Chemical Biology</i> , 2017, 24, 1336-1346.e3.	5.2	5
39	Glycosylation-Dependent Induction of Programmed Cell Death in Murine Adenocarcinoma Cells. <i>Frontiers in Immunology</i> , 2022, 13, 797759.	4.8	2
40	How does a medical doctor become a glycobiologist. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 824.	3.8	1
41	Limited Neonatal Carbohydrate-Specific Antibody Repertoire Consecutive to Partial Prenatal Transfer of Maternal Antibodies. <i>Frontiers in Immunology</i> , 2020, 11, 573629.	4.8	1
42	Synthesis of photoactivable oligosaccharide derivatives from 1,2-cyclic carbamate building blocks and study of their interaction with carbohydrate-binding proteins. <i>Carbohydrate Research</i> , 2021, 508, 108399.	2.3	0