Lawrence A Tabak

List of Publications by Year
in descending order

25	1,849	516710 16	580821 25
papers	citations	h-index	g-index

26	26	26	2042
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Control of mucin-type O-glycosylation: A classification of the polypeptide GalNAc-transferase gene family. Glycobiology, 2012, 22, 736-756.	2.5	670
2	Dynamic Association between the Catalytic and Lectin Domains of Human UDP-GalNAc:Polypeptide Î±-N-Acetylgalactosaminyltransferase-2. Journal of Biological Chemistry, 2006, 281, 8613-8619.	3.4	142
3	Emerging Paradigms for the Initiation of Mucin-type Protein O-Glycosylation by the Polypeptide GalNAc Transferase Family of Glycosyltransferases. Journal of Biological Chemistry, 2011, 286, 14493-14507.	3.4	137
4	cDNA Cloning and Expression of a Novel UDP-N-acetyl-d-galactosamine:PolypeptideN-Acetylgalactosaminyltransferase. Journal of Biological Chemistry, 1997, 272, 13843-13848.	3.4	113
5	A Revolution in Biomedical Assessment: The Development of Salivary Diagnostics. Journal of Dental Education, 2001, 65, 1335-1339.	1.2	110
6	Furin cleavage of the SARS-CoV-2 spike is modulated by O -glycosylation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	94
7	Affirming NIHâ€™s commitment to addressing structural racism in the biomedical research enterprise. Cell, 2021, 184, 3075-3079.	28.9	81
8	Mucin-type O-glycosylation is controlled by short- and long-range glycopeptide substrate recognition that varies among members of the polypeptide GalNAc transferase family. Glycobiology, 2016, 26, 360-376.	2.5	73
9	The Catalytic and Lectin Domains of UDP-GalNAc:Polypeptide Î±-N-Acetylgalactosaminyltransferase Function in Concert to Direct Glycosylation Site Selection. Journal of Biological Chemistry, 2008, 283, 22942-22951.	3.4	70
10	The Lectin Domain of the Polypeptide GalNAc Transferase Family of Glycosyltransferases (ppGalNAc Ts) Acts as a Switch Directing Glycopeptide Substrate Glycosylation in an N- or C-terminal Direction, Further Controlling Mucin Type O-Glycosylation. Journal of Biological Chemistry, 2013, 288, 19900-19914.	3.4	67
11	The role of mucin-type O-glycans in eukaryotic development. Seminars in Cell and Developmental Biology, 2010, 21, 616-621.	5.0	65
12	A molecular switch orchestrates enzyme specificity and secretory granule morphology. Nature Communications, 2018, 9, 3508.	12.8	38
13	Galnt11 regulates kidney function by glycosylating the endocytosis receptor megalin to modulate ligand binding. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25196-25202.	7.1	38
14	Galnt1 Is Required for Normal Heart Valve Development and Cardiac Function. PLoS ONE, 2015, 10, e0115861.	2.5	34
15	The structure of the colorectal cancer-associated enzyme GalNAc-T12 reveals how nonconserved residues dictate its function. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20404-20410.	7.1	21
16	The US National Institutes of Health approach to inclusive excellence. Nature Medicine, 2021, 27, 1861-1864.	30.7	19
17	The GalNAc-T Activation Pathway (GALA) is not a general mechanism for regulating mucin-type O-glycosylation. PLoS ONE, 2017, 12, e0179241.	2.5	15
18	Members of the GalNAc-T family of enzymes utilize distinct Golgi localization mechanisms. Glycobiology, 2018, 28, 841-848.	2.5	14

#	Article	IF	Citations
19	Improved online LC-MS/MS identification of O-glycosites by EThcD fragmentation, chemoenzymatic reaction, and SPE enrichment. Glycoconjugate Journal, 2021, 38, 145-156.	2.7	13
20	Differential splicing of the lectin domain of an O-glycosyltransferase modulates both peptide and glycopeptide preferences. Journal of Biological Chemistry, 2020, 295, 12525-12536.	3.4	7
21	Characterization and expression analysis of GalNts in developing Strongylocentrotus purpuratus embryos. PLoS ONE, 2017, 12, e0176479.	2.5	5
22	A novel role for GalNAc-T2 dependent glycosylation in energy homeostasis. Molecular Metabolism, 2022, , 101472.	6.5	5
23	Precision Health: Bringing Oral Health into the Context of Overall Health. Advances in Dental Research, 2019, 30, 31-33.	3.6	4
24	Race Disparity in Grants: Oversight at Homeâ€”Response. Science, 2011, 334, 903-903.	12.6	1
25	Conducting and putting science into practice: the future of oral health research, dental education, and dental practice. The Journal of the American College of Dentists, 2002, 69, 27-31.	0.1	1