Kelly G Ten Hagen

List of Publications by Year
in descending order

50	2,883	159585	223800
papers	citations	30 h-index	46 g-index

54	54	54	2340
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	All in the family: the UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferases. Glycobiology, 2003, 13, 1R-16.	2.5	428
2	Mucin-type O-Glycosylation during Development. Journal of Biological Chemistry, 2013, 288, 6921-6929.	3.4	221
3	Recent insights into the biological roles of mucin-type O-glycosylation. Glycoconjugate Journal, 2009, 26, 325-334.	2.7	173
4	Cloning and Expression of a Novel, Tissue Specifically Expressed Member of the UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase Family. Journal of Biological Chemistry, 1998, 273, 27749-27754.	3.4	118
5	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
6	Characterization of a UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase That Displays Glycopeptide N-Acetylgalactosaminyltransferase Activity. Journal of Biological Chemistry, 1999, 274, 27867-27874.	3.4	103
7	Cloning and Characterization of a Ninth Member of the UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase Family, ppGaNTase-T9. Journal of Biological Chemistry, 2001, 276, 17395-17404.	3.4	98
8	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
9	Deconvoluting the Functions of Polypeptide N-Î±-Acetylgalactosaminyltransferase Family Members by Glycopeptide Substrate Profiling. Chemistry and Biology, 2004, 11, 1009-1016.	6.0	92
10	A UDP-GalNAc:PolypeptideN-Acetylgalactosaminyltransferase Is Essential for Viability in Drosophila melanogaster. Journal of Biological Chemistry, 2002, 277, 22616-22622.	3.4	84
11	Arp2/3-mediated F-actin formation controls regulated exocytosis in vivo. Nature Communications, 2015, 6, 10098.	12.8	76
12	Functional Characterization and Expression Analysis of Members of the UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase Family from Drosophila melanogaster. Journal of Biological Chemistry, 2003, 278, 35039-35048.	3.4	75
13	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
14	O-Glycosylation regulates polarized secretion by modulating Tango1 stability. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7296-7301.	7.1	67
15	A UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase Is Required for Epithelial Tube Formation. Journal of Biological Chemistry, 2007, 282, 606-614.	3.4	66
16	Glycobiology on the fly: Developmental and mechanistic insights from Drosophila. Glycobiology, 2008, 19, 102-111.	2.5	64
17	Characterization of mucin-type core-1 beta1-3 galactosyltransferase homologous enzymes in Drosophila melanogaster. FEBS Journal, 2005, 272, 4295-4305.	4.7	62
18	Small Molecule Inhibitors of Mucin-Type O-Linked Glycosylation from a Uridine-Based Library. Chemistry and Biology, 2004, 11, 337-345.	6.0	59

#	Article	IF	Citations
19	Expression of UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase isoforms in murine tissues determined by real-time PCR: a new view of a large family. Glycobiology, 2003, 13, 549-557.	2.5	58
20	O-glycosylation modulates integrin and FGF signalling by influencing the secretion of basement membrane components. Nature Communications, 2012, 3, 869.	12.8	58
21	Multiple Members of the UDP-GalNAc: Polypeptide N-Acetylgalactosaminyltransferase Family Are Essential for Viability in Drosophila. Journal of Biological Chemistry, 2012, 287, 5243-5252.	3.4	55
22	Expression of the UDP-GalNAc : polypeptide N-acetylgalactosaminyltransferase family is spatially and temporally regulated during Drosophila development. Glycobiology, 2006, 16, 83-95.	2.5	54
23	O-linked glycan expression during Drosophila development. Glycobiology, 2007, 17, 820-827.	2.5	52
24	A Mucin-type O-Glycosyltransferase Modulates Cell Adhesion during Drosophila Development. Journal of Biological Chemistry, 2008, 283, 34076-34086.	3.4	51
25	Conservation of peptide acceptor preferences between Drosophila and mammalian polypeptide-GalNAc transferase ortholog pairs. Glycobiology, 2008, 18, 861-870.	2.5	49
26	An O-Glycosyltransferase Promotes Cell Adhesion during Development by Influencing Secretion of an Extracellular Matrix Integrin Ligand. Journal of Biological Chemistry, 2010, 285, 19491-19501.	3.4	49
27	Tango1 coordinates the formation of endoplasmic reticulum/Golgi docking sites to mediate secretory granule formation. Journal of Biological Chemistry, 2019, 294, 19498-19510.	3.4	43
28	A molecular switch orchestrates enzyme specificity and secretory granule morphology. Nature Communications, 2018, 9, 3508.	12.8	38
29	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
30	Galnt1 Is Required for Normal Heart Valve Development and Cardiac Function. PLoS ONE, 2015, 10, e0115861.	2.5	34
31	Real-time insights into regulated exocytosis. Journal of Cell Science, 2017, 130, 1355-1363.	2.0	32
32	The cellular microenvironment and cell adhesion: a role for O-glycosylation. Biochemical Society Transactions, 2011, 39, 378-382.	3.4	27
33	Loss of the mucosal barrier alters the progenitor cell niche via Janus kinase/signal transducer and activator of transcription (JAK/STAT) signaling. Journal of Biological Chemistry, 2017, 292, 21231-21242.	3.4	22
34	Dissecting the Biological Role of Mucin-type O-Glycosylation Using RNA Interference in Drosophila Cell Culture. Journal of Biological Chemistry, 2010, 285, 34477-34484.	3.4	21
35	O-Linked glycosylation in Drosophila melanogaster. Current Opinion in Structural Biology, 2019, 56, 139-145.	5.7	20
36	An Inhibitor of O-Glycosylation Induces Apoptosis in NIH3T3 Cells and Developing Mouse Embryonic Mandibular Tissues. Journal of Biological Chemistry, 2004, 279, 50382-50390.	3.4	18

#	Article	IF	Citations
37	Glycosylation of Î±-Dystroglycan. Journal of Biological Chemistry, 2012, 287, 20967-20974.	3.4	18
38	In vivo models of mucin biosynthesis and function. Advanced Drug Delivery Reviews, 2022, 184, 114182.	13.7	17
39	Loss of the disease-associated glycosyltransferase Galnt3 alters Muc10 glycosylation and the composition of the oral microbiome. Journal of Biological Chemistry, 2020, 295, 1411-1425.	3.4	12
40	Pleiotropic effects of O-glycosylation in colon cancer. Journal of Biological Chemistry, 2018, 293, 1315-1316.	3.4	9
41	Loss of the disease-associated glycosyltransferase Galnt3 alters Muc10 glycosylation and the composition of the oral microbiome. Journal of Biological Chemistry, 2020, 295, 1411-1425.	3.4	9
42	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
43	Community voices: NIH working toward inclusive excellence by promoting and supporting women in science. Nature Communications, 2022, 13, 1682.	12.8	6
44	UDP-N-Acetyl-Alpha-D-Galactosamine: Polypeptide N-Acetylgalactosaminyltransferases (ppGalNAc-Ts). , 2014, , 495-511.		2
45	Enzymatic insights into an inherited genetic disorder. ELife, 2017, 6, .	6.0	2
46	Developmental glycobiology. Seminars in Cell and Developmental Biology, 2010, 21, 599-599.	5.0	1
47	Fluorescent Lectin Staining of Drosophila Embryos and Tissues to Detect the Spatial Distribution of Glycans During Development. Methods in Molecular Biology, 2013, 1022, 99-105.	0.9	1
48	Sweet rescue or surrender of the failing heart?. Journal of Biological Chemistry, 2019, 294, 12579-12580.	3.4	0
49	O-Glycosylation and Development. , 2014, , 1-8.		0
50	Extracellular O-Glycans. , 2022, , .		0