Emil Tykesson

List of Publications by Year
in descending order

25 papers	490 citations	840776 11 h-index	677142 22 g-index
25 all docs	25 docs citations	25 times ranked	768 citing authors

#	Article	IF	Citations
1	Biological functions of iduronic acid in chondroitin/dermatan sulfate. FEBS Journal, 2013, 280, 2431-2446.	4.7	108
2	Versican in inflammation and tissue remodeling: The impact on lung disorders. Glycobiology, 2015, 25, 243-251.	2.5	75
3	Increased deposition of glycosaminoglycans and altered structure of heparan sulfate in idiopathic pulmonary fibrosis. International Journal of Biochemistry and Cell Biology, 2017, 83, 27-38.	2.8	53
4	Dermatan Sulfate-Free Mice Display Embryological Defects and Are Neonatal Lethal Despite Normal Lymphoid and Non-Lymphoid Organogenesis. PLoS ONE, 2015, 10, e0140279.	2.5	34
5	Xyloside-primed Chondroitin Sulfate/Dermatan Sulfate from Breast Carcinoma Cells with a Defined Disaccharide Composition Has Cytotoxic Effects in Vitro. Journal of Biological Chemistry, 2016, 291, 14871-14882.	3.4	28
6	Rules for priming and inhibition of glycosaminoglycan biosynthesis; probing the Î²4GalT7 active site. Chemical Science, 2014, 5, 3501-3508.	7.4	26
7	Dermatan sulfate epimerase 1 and dermatan 4-O-sulfotransferase 1 form complexes that generate long epimerized 4-O-sulfated blocks. Journal of Biological Chemistry, 2018, 293, 13725-13735.	3.4	26
8	Exploration of the active site of Î²4GalT7: modifications of the aglycon of aromatic xylosides. Organic and Biomolecular Chemistry, 2015, 13, 3351-3362.	2.8	25
9	Glycosaminoglycans: A Link Between Development and Regeneration in the Lung. Stem Cells and Development, 2019, 28, 823-832.	2.1	20
10	Deciphering the mode of action of the processive polysaccharide modifying enzyme dermatan sulfate epimerase 1 by hydrogenâ€“deuterium exchange mass spectrometry. Chemical Science, 2016, 7, 1447-1456.	7.4	16
11	The Tyrosine Kinase Inhibitor Imatinib Augments Extracellular Fluid Exchange and Reduces Average Collagen Fibril Diameter in Experimental Carcinoma. Molecular Cancer Therapeutics, 2016, 15, 2455-2464.	4.1	14
12	Synthesis of Double-Modified Xyloside Analogues for Probing the Î²4GalT7 Active Site. Journal of Organic Chemistry, 2018, 83, 1259-1277.	3.2	12
13	Harnessing the ECM Microenvironment to Ameliorate Mesenchymal Stromal Cell-Based Therapy in Chronic Lung Diseases. Frontiers in Pharmacology, 2021, 12, 645558.	3.5	12
14	Recombinant dermatan sulfate is a potent activator of heparin cofactor II-dependent inhibition of thrombin. Glycobiology, 2019, 29, 446-451.	2.5	8
15	Naphthyl Thioâ€•and Carbaâ€xylopyranosides for Exploration of the Active Site of Î²â€1,4â€Galactosyltransferase 7 (Î²4GalT7). Chemistry - A European Journal, 2017, 23, 18057-18065.	3.3	6
16	Hydroxylated oxanes as xyloside analogs for determination of the minimal binding requirements of Î²4GalT7. Tetrahedron Letters, 2017, 58, 3466-3469.	1.4	6
17	Determination of 3â€²-phosphoadenosine-5â€²-phosphosulfate in cells and Golgi fractions using hydrophilic interaction liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2016, 1470, 70-75.	3.7	5
18	Chemoenzymatic Synthesis of Glycopeptides Bearing Galactoseâ€“Xylose Disaccharide from the Proteoglycan Linkage Region. Organic Letters, 2021, 23, 1738-1741.	4.6	5

#	Article	IF	Citations
19	Disubstituted naphthyl Î²-D-xylopyranosides: Synthesis, GAG priming, and histone acetyltransferase (HAT) inhibition. Glycoconjugate Journal, 2016, 33, 245-257.	2.7	3
20	The structure of human dermatan sulfate epimerase 1 emphasizes the importance of C5-epimerization of glucuronic acid in higher organisms. Chemical Science, 2021, 12, 1869-1885.	7.4	3
21	Azide-Functionalized Naphthoxyloside as a Tool for Glycosaminoglycan Investigations. Bioconjugate Chemistry, 2021, , .	3.6	3
22	Inhibition of iduronic acid biosynthesis by ebselen reduces glycosaminoglycan accumulation in mucopolysaccharidosis type I fibroblasts. Glycobiology, 2021, 31, 1319-1329.	2.5	2
23	Production and HPLC-Based Disaccharide Analysis of Xyloside-Primed Glycosaminoglycans. Methods in Molecular Biology, 2022, 2303, 173-182.	0.9	0
24	Assays for Evaluation of Substrates for and of Î²-1,4-Galactosyltransferase 7. Methods in Molecular Biology, 2022, 2303, 477-486.	0.9	0
25	Fluorescently labeled xylosides offer insight into the biosynthetic pathways of glycosaminoglycans. RSC Advances, 2021, 11, 38283-38292.	3.6	0