Marco Maccarana

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8880326/publications.pdf

Version: 2024-02-01

44 papers	2,644 citations	236925 25 h-index	254184 43 g-index
44 all docs	44 docs citations	44 times ranked	2685 citing authors

#	Article	IF	Citations
1	Monensin induces selective mast cell apoptosis through a secretory granuleâ€mediated pathway. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1025-1028.	5.7	6
2	Implications of Heparanase on Heparin Synthesis and Metabolism in Mast Cells. International Journal of Molecular Sciences, 2022, 23, 4821.	4.1	3
3	Inhibition of iduronic acid biosynthesis by ebselen reduces glycosaminoglycan accumulation in mucopolysaccharidosis type I fibroblasts. Glycobiology, 2021, 31, 1319-1329.	2.5	2
4	Recombinant dermatan sulfate is a potent activator of heparin cofactor II-dependent inhibition of thrombin. Glycobiology, 2019, 29, 446-451.	2.5	8
5	Dendritic Cell Migration to Skin-Draining Lymph Nodes Is Controlled by Dermatan Sulfate and Determines Adaptive Immunity Magnitude. Frontiers in Immunology, 2018, 9, 206.	4.8	7
6	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
7	Three unreported cases of TMEM199-CDG, a rare genetic liver disease with abnormal glycosylation. Orphanet Journal of Rare Diseases, 2018, 13, 4.	2.7	17
8	Gene expression of the two developmentally regulated dermatan sulfate epimerases in the Xenopus embryo. PLoS ONE, 2018, 13, e0191751.	2.5	2
9	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
10	Fibromodulin deficiency reduces collagen structural network but not glycosaminoglycan content in a syngeneic model of colon carcinoma. PLoS ONE, 2017, 12, e0182973.	2.5	6
11	Asporin-deficient mice have tougher skin and altered skin glycosaminoglycan content and structure. PLoS ONE, 2017, 12, e0184028.	2.5	12
12	Determination of Autosomal Dominant or Recessive Methionine Adenosyltransferase I/III Deficiencies Based on Clinical and Molecular Studies. Molecular Medicine, 2016, 22, 147-155.	4.4	10
13	Drugs affecting glycosaminoglycan metabolism. Drug Discovery Today, 2016, 21, 1162-1169.	6.4	4
14	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
15	Musculocontractural Ehlers-Danlos syndrome and neurocristopathies: dermatan sulfate is required forXenopusneural crest cells to migrate and adhere to fibronectin. DMM Disease Models and Mechanisms, 2016, 9, 607-20.	2.4	17
16	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
17	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
18	The serpin PN1 is a feedback regulator of FGF signaling in germ layer and primary axis formation. Development (Cambridge), 2015, 142, 1146-1158.	2.5	10

#	Article	IF	Citations
19	PAPST1 regulates sulfation of heparan sulfate proteoglycans in epithelial MDCK II cells. Glycobiology, 2015, 25, 30-41.	2.5	12
20	Dermatan sulfate epimerase 1 deficient mice as a model for human abdominal wall defects. Birth Defects Research Part A: Clinical and Molecular Teratology, 2014, 100, 712-720.	1.6	13
21	Dermatan Sulfate Epimerases (DSE, DSEL). , 2014, , 935-945.		0
22	Biological functions of iduronic acid in chondroitin/dermatan sulfate. FEBS Journal, 2013, 280, 2431-2446.	4.7	108
23	Iduronic Acid in Chondroitin/Dermatan Sulfate Affects Directional Migration of Aortic Smooth Muscle Cells. PLoS ONE, 2013, 8, e66704.	2.5	25
24	Mouse development is not obviously affected by the absence of dermatan sulfate epimerase 2 in spite of a modified brain dermatan sulfate composition. Glycobiology, 2012, 22, 1007-1016.	2.5	29
25	Dermatan Sulfate Is Involved in the Tumorigenic Properties of Esophagus Squamous Cell Carcinoma. Cancer Research, 2012, 72, 1943-1952.	0.9	58
26	Iduronic Acid in Chondroitin/Dermatan Sulfate. Journal of Histochemistry and Cytochemistry, 2012, 60, 916-925.	2.5	94
27	Dermatan sulfate epimerase 2 is the predominant isozyme in the formation of the chondroitin sulfate/dermatan sulfate hybrid structure in postnatal developing mouse brain. Glycobiology, 2011, 21, 565-574.	2.5	35
28	Two Dermatan Sulfate Epimerases Form Iduronic Acid Domains in Dermatan Sulfate. Journal of Biological Chemistry, 2009, 284, 9788-9795.	3.4	74
29	Lack ofl-Iduronic Acid in Heparan Sulfate Affects Interaction with Growth Factors and Cell Signaling. Journal of Biological Chemistry, 2009, 284, 15942-15950.	3.4	57
30	Dermatan Sulfate Epimerase 1-Deficient Mice Have Reduced Content and Changed Distribution of Iduronic Acids in Dermatan Sulfate and an Altered Collagen Structure in Skin. Molecular and Cellular Biology, 2009, 29, 5517-5528.	2.3	88
31	Dermatan 4-O-sulfotransferase 1 is pivotal in the formation of iduronic acid blocks in dermatan sulfate. Glycobiology, 2009, 19, 1197-1203.	2.5	46
32	Identification of the Active Site of DS-epimerase 1 and Requirement of N-Glycosylation for Enzyme Function. Journal of Biological Chemistry, 2009, 284, 1741-1747.	3.4	27
33	The Secreted Serine Protease xHtrA1 Stimulates Long-Range FGF Signaling in the Early Xenopus Embryo. Developmental Cell, 2007, 13, 226-241.	7.0	55
34	Biosynthesis of Dermatan Sulfate. Journal of Biological Chemistry, 2006, 281, 11560-11568.	3.4	120
35	Regulation of the chondroitin/dermatan fine structure by transforming growth factor-Î²1 through effects on polymer-modifying enzymes. Glycobiology, 2005, 15, 1277-1285.	2.5	49
36	A Cryptic Targeting Signal Induces Isoform-specific Localization of p46Shc to Mitochondria. Journal of Biological Chemistry, 2004, 279, 2299-2306.	3.4	55

#	Article	IF	Citations
37	A p53-p66Shc signalling pathway controls intracellular redox status, levels of oxidation-damaged DNA and oxidative stress-induced apoptosis. Oncogene, 2002, 21, 3872-3878.	5.9	410
38	Oligomerization of ETO Is Obligatory for Corepressor Interaction. Molecular and Cellular Biology, 2001, 21, 156-163.	2.3	100
39	Oligomerization of RAR and AML1 Transcription Factors as a Novel Mechanism of Oncogenic Activation. Molecular Cell, 2000, 5, 811-820.	9.7	273
40	Domain Structure of Heparan Sulfates from Bovine Organs. Journal of Biological Chemistry, 1996, 271, 17804-17810.	3.4	256
41	Neurite Outgrowth in Brain Neurons Induced by Heparin-binding Growth-associated Molecule (HB-GAM) Depends on the Specific Interaction of HB-GAM with Heparan Sulfate at the Cell Surface. Journal of Biological Chemistry, 1996, 271, 2243-2248.	3.4	112
42	Presence of N-Unsubstituted Glucosamine Units in Native Heparan Sulfate Revealed by a Monoclonal Antibody. Journal of Biological Chemistry, 1995, 270, 31303-31309.	3.4	135
43	FABMS/derivatisation strategies for the analysis of heparin-derived oligosaccharides. Carbohydrate Research, 1993, 244, 205-223.	2.3	34
44	Mode of interaction between platelet factor 4 and heparin. Glycobiology, 1993, 3, 271-277.	2.5	132