

# Marco Maccarana

## List of Publications by Year in descending order

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44  
papers

2,644  
citations

236925

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254184

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docs citations

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times ranked

2685  
citing authors

#	ARTICLE	IF	CITATIONS
1	A p53-p66Shc signalling pathway controls intracellular redox status, levels of oxidation-damaged DNA and oxidative stress-induced apoptosis. <i>Oncogene</i> , 2002, 21, 3872-3878.	5.9	410
2	Oligomerization of RAR and AML1 Transcription Factors as a Novel Mechanism of Oncogenic Activation. <i>Molecular Cell</i> , 2000, 5, 811-820.	9.7	273
3	Domain Structure of Heparan Sulfates from Bovine Organs. <i>Journal of Biological Chemistry</i> , 1996, 271, 17804-17810.	3.4	256
4	Presence of N-Unsubstituted Glucosamine Units in Native Heparan Sulfate Revealed by a Monoclonal Antibody. <i>Journal of Biological Chemistry</i> , 1995, 270, 31303-31309.	3.4	135
5	Mode of interaction between platelet factor 4 and heparin. <i>Glycobiology</i> , 1993, 3, 271-277.	2.5	132
6	Biosynthesis of Dermatan Sulfate. <i>Journal of Biological Chemistry</i> , 2006, 281, 11560-11568.	3.4	120
7	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. <i>Journal of Biological Chemistry</i> , 1996, 271, 2243-2248.	3.4	112
8	Biological functions of iduronic acid in chondroitin/dermatan sulfate. <i>FEBS Journal</i> , 2013, 280, 2431-2446.	4.7	108
9	Oligomerization of ETO Is Obligatory for Corepressor Interaction. <i>Molecular and Cellular Biology</i> , 2001, 21, 156-163.	2.3	100
10	Iduronic Acid in Chondroitin/Dermatan Sulfate. <i>Journal of Histochemistry and Cytochemistry</i> , 2012, 60, 916-925.	2.5	94
11	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. <i>Molecular and Cellular Biology</i> , 2009, 29, 5517-5528.	2.3	88
12	Two Dermatan Sulfate Epimerases Form Iduronic Acid Domains in Dermatan Sulfate. <i>Journal of Biological Chemistry</i> , 2009, 284, 9788-9795.	3.4	74
13	Dermatan Sulfate Is Involved in the Tumorigenic Properties of Esophagus Squamous Cell Carcinoma. <i>Cancer Research</i> , 2012, 72, 1943-1952.	0.9	58
14	Lack of Iduronic Acid in Heparan Sulfate Affects Interaction with Growth Factors and Cell Signaling. <i>Journal of Biological Chemistry</i> , 2009, 284, 15942-15950.	3.4	57
15	A Cryptic Targeting Signal Induces Isoform-specific Localization of p46Shc to Mitochondria. <i>Journal of Biological Chemistry</i> , 2004, 279, 2299-2306.	3.4	55
16	The Secreted Serine Protease xHtrA1 Stimulates Long-Range FGF Signaling in the Early Xenopus Embryo. <i>Developmental Cell</i> , 2007, 13, 226-241.	7.0	55
17	Increased deposition of glycosaminoglycans and altered structure of heparan sulfate in idiopathic pulmonary fibrosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 83, 27-38.	2.8	53
18	Regulation of the chondroitin/dermatan fine structure by transforming growth factor- $\beta$ 1 through effects on polymer-modifying enzymes. <i>Glycobiology</i> , 2005, 15, 1277-1285.	2.5	49

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19	Dermatan 4-O-sulfotransferase 1 is pivotal in the formation of iduronic acid blocks in dermatan sulfate. <i>Glycobiology</i> , 2009, 19, 1197-1203.	2.5	46
20	Dermatan sulfate epimerase 2 is the predominant isozyme in the formation of the chondroitin sulfate/dermatan sulfate hybrid structure in postnatal developing mouse brain. <i>Glycobiology</i> , 2011, 21, 565-574.	2.5	35
21	FABMS/derivatisation strategies for the analysis of heparin-derived oligosaccharides. <i>Carbohydrate Research</i> , 1993, 244, 205-223.	2.3	34
22	Dermatan Sulfate-Free Mice Display Embryological Defects and Are Neonatal Lethal Despite Normal Lymphoid and Non-Lymphoid Organogenesis. <i>PLoS ONE</i> , 2015, 10, e0140279.	2.5	34
23	Mouse development is not obviously affected by the absence of dermatan sulfate epimerase 2 in spite of a modified brain dermatan sulfate composition. <i>Glycobiology</i> , 2012, 22, 1007-1016.	2.5	29
24	Identification of the Active Site of DS-epimerase 1 and Requirement of N-Glycosylation for Enzyme Function. <i>Journal of Biological Chemistry</i> , 2009, 284, 1741-1747.	3.4	27
25	Dermatan sulfate epimerase 1 and dermatan 4-O-sulfotransferase 1 form complexes that generate long epimerized 4-O-sulfated blocks. <i>Journal of Biological Chemistry</i> , 2018, 293, 13725-13735.	3.4	26
26	Iduronic Acid in Chondroitin/Dermatan Sulfate Affects Directional Migration of Aortic Smooth Muscle Cells. <i>PLoS ONE</i> , 2013, 8, e66704.	2.5	25
27	Musculocontractural Ehlers-Danlos syndrome and neurocristopathies: dermatan sulfate is required for <i>Xenopus</i> neural crest cells to migrate and adhere to fibronectin. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 607-20.	2.4	17
28	Three unreported cases of TMEM199-CDG, a rare genetic liver disease with abnormal glycosylation. <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 4.	2.7	17
29	Deciphering the mode of action of the processive polysaccharide modifying enzyme dermatan sulfate epimerase 1 by hydrogen-deuterium exchange mass spectrometry. <i>Chemical Science</i> , 2016, 7, 1447-1456.	7.4	16
30	The Tyrosine Kinase Inhibitor Imatinib Augments Extracellular Fluid Exchange and Reduces Average Collagen Fibril Diameter in Experimental Carcinoma. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 2455-2464.	4.1	14
31	Dermatan sulfate epimerase 1 deficient mice as a model for human abdominal wall defects. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2014, 100, 712-720.	1.6	13
32	PAPST1 regulates sulfation of heparan sulfate proteoglycans in epithelial MDCK II cells. <i>Glycobiology</i> , 2015, 25, 30-41.	2.5	12
33	Asporin-deficient mice have tougher skin and altered skin glycosaminoglycan content and structure. <i>PLoS ONE</i> , 2017, 12, e0184028.	2.5	12
34	The serpin PN1 is a feedback regulator of FGF signaling in germ layer and primary axis formation. <i>Development (Cambridge)</i> , 2015, 142, 1146-1158.	2.5	10
35	Determination of Autosomal Dominant or Recessive Methionine Adenosyltransferase I/III Deficiencies Based on Clinical and Molecular Studies. <i>Molecular Medicine</i> , 2016, 22, 147-155.	4.4	10
36	Recombinant dermatan sulfate is a potent activator of heparin cofactor II-dependent inhibition of thrombin. <i>Glycobiology</i> , 2019, 29, 446-451.	2.5	8

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37	Dendritic Cell Migration to Skin-Draining Lymph Nodes Is Controlled by Dermatan Sulfate and Determines Adaptive Immunity Magnitude. <i>Frontiers in Immunology</i> , 2018, 9, 206.	4.8	7
38	Fibromodulin deficiency reduces collagen structural network but not glycosaminoglycan content in a syngeneic model of colon carcinoma. <i>PLoS ONE</i> , 2017, 12, e0182973.	2.5	6
39	Monensin induces selective mast cell apoptosis through a secretory granule-mediated pathway. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1025-1028.	5.7	6
40	Drugs affecting glycosaminoglycan metabolism. <i>Drug Discovery Today</i> , 2016, 21, 1162-1169.	6.4	4
41	Implications of Heparanase on Heparin Synthesis and Metabolism in Mast Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4821.	4.1	3
42	Gene expression of the two developmentally regulated dermatan sulfate epimerases in the <i>Xenopus</i> embryo. <i>PLoS ONE</i> , 2018, 13, e0191751.	2.5	2
43	Inhibition of iduronic acid biosynthesis by ebselen reduces glycosaminoglycan accumulation in mucopolysaccharidosis type I fibroblasts. <i>Glycobiology</i> , 2021, 31, 1319-1329.	2.5	2
44	Dermatan Sulfate Epimerases (DSE, DSEL). , 2014, , 935-945.		0