

# Osami Habuchi

## List of Publications by Year in descending order

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53  
papers

2,682  
citations

186265

28  
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223800

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54  
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54  
docs citations

54  
times ranked

1680  
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#	ARTICLE	IF	CITATIONS
1	Functions of chondroitin/dermatan sulfate containing GalNAc4,6-disulfate. <i>Glycobiology</i> , 2022, , .	2.5	3
2	Bone marrow derived mast cells injected into the osteoarthritic knee joints of mice induced by sodium monoiodoacetate enhanced spontaneous pain through activation of PAR2 and action of extracellular ATP. <i>PLoS ONE</i> , 2021, 16, e0252590.	2.5	1
3	A novel mice model of acute flares in osteoarthritis elicited by intra-articular injection of cultured mast cells. <i>Journal of Experimental Orthopaedics</i> , 2021, 8, 75.	1.8	5
4	Reconsideration of the Semaphorin-3A Binding Motif Found in Chondroitin Sulfate Using Galnac4s-6st-Knockout Mice. <i>Biomolecules</i> , 2020, 10, 1499.	4.0	25
5	Chemical synthesis of 4-azido- <sup>12</sup> -galactosamine derivatives for inhibitors of N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase. <i>Glycoconjugate Journal</i> , 2018, 35, 477-491.	2.7	3
6	Mice deficient in N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase exhibit enhanced liver fibrosis and delayed recovery from fibrosis in carbon tetrachloride-treated mice. <i>Heliyon</i> , 2016, 2, e00138.	3.2	7
7	Chondroitin sulfate-E mediates estrogen-induced osteoanabolism. <i>Scientific Reports</i> , 2015, 5, 8994.	3.3	29
8	Sulfated Glycosaminoglycans Control the Extracellular Trafficking and the Activity of the Metalloprotease Inhibitor TIMP-3. <i>Chemistry and Biology</i> , 2014, 21, 1300-1309.	6.0	64
9	Carbohydrate (Chondroitin 6) Sulfotransferase 3; Carbohydrate (N-Acetylglucosamine 6-O) Sulfotransferase 7 (CHST3,7)., 2014, , 979-987.		2
10	Carbohydrate (N-Acetylgalactosamine 4-Sulfate 6-O) Sulfotransferase 15 (CHST15)., 2014, , 1157-1163.		0
11	Heparan Sulfate 6-O-Sulfotransferase Isoform-dependent Regulatory Effects of Heparin on the Activities of Various Proteases in Mast Cells and the Biosynthesis of 6-O-Sulfated Heparin. <i>Journal of Biological Chemistry</i> , 2013, 288, 3705-3717.	3.4	20
12	A sulfated carbohydrate epitope inhibits axon regeneration after injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4768-4773.	7.1	136
13	Inhibition of N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase by $\alpha$ -D-4-O-sulfo-N-acetylgalactosaminides bearing various hydrophobic aglycons. <i>Glycoconjugate Journal</i> , 2010, 27, 237-248.	2.7	5
14	Preparation of chondroitin sulfate libraries containing disulfated disaccharide units and inhibition of thrombin by these chondroitin sulfates. <i>Glycoconjugate Journal</i> , 2010, 27, 479-489.	2.7	9
15	Mice Deficient in N-Acetylgalactosamine 4-Sulfate 6-O-Sulfotransferase Are Unable to Synthesize Chondroitin/Dermatan Sulfate containing N-Acetylgalactosamine 4,6-Bissulfate Residues and Exhibit Decreased Protease Activity in Bone Marrow-derived Mast Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 20793-20805.	3.4	36
16	Expression of sulfotransferases involved in the biosynthesis of chondroitin sulfate E in the bone marrow derived mast cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 687-695.	2.4	19
17	Sulfotransferases Involved in Sulfation of Glycosaminoglycans. , 2008, , 87-93.		1
18	Molecular Cloning of Squid N-Acetylgalactosamine 4-Sulfate 6-O-Sulfotransferase and Synthesis of a Unique Chondroitin Sulfate Containing E D Hybrid Tetrasaccharide Structure by the Recombinant Enzyme. <i>Glycobiology</i> , 2007, 17, 1365-1376.	2.5	11

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19	The Utility of Formalin-fixed and Paraffin-embedded Tissue Blocks for Quantitative Analysis of N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase mRNA Expressed by Colorectal Cancer Cells. <i>Acta Histochemica Et Cytochemica</i> , 2007, 40, 53-59.	1.6	19
20	N-Linked Oligosaccharides on Chondroitin 6-Sulfotransferase-1 Are Required for Production of the Active Enzyme, Golgi Localization, and Sulfotransferase Activity toward Keratan Sulfate. <i>Journal of Biological Chemistry</i> , 2006, 281, 20393-20403.	3.4	24
21	N-linked oligosaccharides are required to produce and stabilize the active form of chondroitin 4-sulphotransferase-1. <i>Biochemical Journal</i> , 2005, 388, 115-121.	3.7	20
22	Synthesis of sulfated phenyl 2-acetamido-2-deoxy-D-galactopyranosides. 4-O-Sulfated phenyl 2-acetamido-2-deoxy- <sup>12</sup> -D-galactopyranoside is a competitive acceptor that decreases sulfation of chondroitin sulfate by N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase. <i>Carbohydrate Research</i> , 2005, 340, 1983-1996.	2.3	14
23	Recognition of Sulfation Pattern of Chondroitin Sulfate by Uronosyl 2-O-Sulfotransferase. <i>Journal of Biological Chemistry</i> , 2005, 280, 39115-39123.	3.4	32
24	Sulfation pattern in glycosaminoglycan: Does it have a code?. <i>Glycoconjugate Journal</i> , 2004, 21, 47-52.	2.7	194
25	Chondroitin 4-sulphotransferase-1 and chondroitin 6-sulphotransferase-1 are affected differently by uronic acid residues neighbouring the acceptor GalNAc residues. <i>Biochemical Journal</i> , 2004, 384, 567-575.	3.7	19
26	A Unique Nonreducing Terminal Modification of Chondroitin Sulfate by N-Acetylgalactosamine 4-Sulfate 6-O-Sulfotransferase. <i>Journal of Biological Chemistry</i> , 2003, 278, 38443-38452.	3.4	47
27	Glycosaminoglycan structures required for strong binding to midkine, a heparin-binding growth factor. <i>Glycobiology</i> , 2003, 13, 35-42.	2.5	76
28	Biosynthesis of heparan sulphate with diverse structures and functions: two alternatively spliced forms of human heparan sulphate 6-O-sulphotransferase-2 having different expression patterns and properties. <i>Biochemical Journal</i> , 2003, 371, 131-142.	3.7	80
29	Functional Analysis of the Chondroitin 6-Sulfotransferase Gene in Relation to Lymphocyte Subpopulations, Brain Development, and Oversulfated Chondroitin Sulfates. <i>Journal of Biological Chemistry</i> , 2002, 277, 1443-1450.	3.4	71
30	Enzymatic synthesis of chondroitin sulfate E by N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase purified from squid cartilage. <i>Analytical Biochemistry</i> , 2002, 310, 129-136.	2.4	37
31	Chondroitin 4-Sulfotransferase. , 2002, , 445-450.		0
32	Chondroitin 6-Sulfotransferase. , 2002, , 413-417.		0
33	Keratan Sulfate Gal-6-Sulfotransferase. , 2002, , 418-422.		0
34	17- <sup>12</sup> -Estradiol Affects Brain Protein Synthesis Rate in Ovariectomized Female Rats. <i>Journal of Nutrition</i> , 2001, 131, 123-126.	2.9	12
35	Human N-Acetylgalactosamine 4-Sulfate 6-O-Sulfotransferase cDNA Is Related to Human B Cell Recombination Activating Gene-associated Gene. <i>Journal of Biological Chemistry</i> , 2001, 276, 43894-43900.	3.4	100
36	Molecular Cloning and Expression of Chondroitin 4-Sulfotransferase. <i>Journal of Biological Chemistry</i> , 2000, 275, 8975-8981.	3.4	99

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37	The Occurrence of Three Isoforms of Heparan Sulfate 6-O-Sulfotransferase Having Different Specificities for Hexuronic Acid Adjacent to the Targeted N-Sulfoglucosamine. <i>Journal of Biological Chemistry</i> , 2000, 275, 2859-2868.	3.4	212
38	Molecular Cloning and Characterization of GalNAc 4-Sulfotransferase Expressed in Human Pituitary Gland. <i>Journal of Biological Chemistry</i> , 2000, 275, 40605-40613.	3.4	33
39	Purification and Characterization of N-Acetylgalactosamine 4-Sulfate 6-O-Sulfotransferase from the Squid Cartilage. <i>Journal of Biological Chemistry</i> , 2000, 275, 34728-34736.	3.4	47
40	Diversity and functions of glycosaminoglycan sulfotransferases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1474, 115-127.	2.4	151
41	Purification and Characterization of Chondroitin 4-Sulfotransferase from the Culture Medium of a Rat Chondrosarcoma Cell Line. <i>Journal of Biological Chemistry</i> , 1999, 274, 2456-2463.	3.4	49
42	Molecular cloning and expression of human chondroitin 6-sulfotransferase. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1399, 57-61.	2.4	85
43	Molecular Cloning and Characterization of an N-Acetylglucosamine-6-O-sulfotransferase. <i>Journal of Biological Chemistry</i> , 1998, 273, 22577-22583.	3.4	152
44	Biosynthesis of Heparan Sulfate and Heparin. How Are the Multifunctional Glycosaminoglycans Built up?. <i>Trends in Glycoscience and Glycotechnology</i> , 1998, 10, 65-80.	0.1	19
45	Molecular Cloning and Characterization of Human Keratan Sulfate Gal-6-Sulfotransferase. <i>Journal of Biological Chemistry</i> , 1997, 272, 32321-32328.	3.4	138
46	Sulfation of sialyl lactosamine oligosaccharides by chondroitin 6-sulfotransferase. <i>Glycobiology</i> , 1997, 7, 405-412.	2.5	51
47	Molecular Cloning and Expression of Chinese Hamster Ovary Cell Heparan-sulfate 2-Sulfotransferase. <i>Journal of Biological Chemistry</i> , 1997, 272, 13980-13985.	3.4	122
48	Purification and Characterization of Heparan Sulfate 2-Sulfotransferase from Cultured Chinese Hamster Ovary Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 7645-7653.	3.4	71
49	Enzymatic sulfation of galactose residue of keratan sulfate by chondroitin 6-sulfotransferase. <i>Glycobiology</i> , 1996, 6, 51-57.	2.5	51
50	Purification and Characterization of Heparan Sulfate 6-Sulfotransferase from the Culture Medium of Chinese Hamster Ovary Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 4172-4179.	3.4	82
51	Molecular Cloning and Expression of Chick Chondrocyte Chondroitin 6-Sulfotransferase. <i>Journal of Biological Chemistry</i> , 1995, 270, 18575-18580.	3.4	125
52	Stimulation of glycosaminoglycan sulfotransferase from chick embryo cartilage by basic proteins and polyamines. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980, 616, 208-217.	2.6	36
53	Biosynthesis of the Acetylgalactosamine 4,6-Disulfate Unit of Squid Chondroitin Sulfate by Transsulfation from 3-Phosphoadenosine 5-Phosphosulfate. <i>Journal of Biological Chemistry</i> , 1971, 246, 7357-7365.	3.4	38