

Anders Malmström

List of Publications by Year in descending order

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103
papers

5,014
citations

57758

44
h-index

98798

67
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103
all docs

103
docs citations

103
times ranked

3649
citing authors

#	ARTICLE	IF	CITATIONS
1	The structure of human dermatan sulfate epimerase 1 emphasizes the importance of C5-epimerization of glucuronic acid in higher organisms. <i>Chemical Science</i> , 2021, 12, 1869-1885.	7.4	3
2	Heparin fragments induce cervical inflammation by recruiting immune cells through Toll-like receptor 4 in nonpregnant mice. <i>Molecular Human Reproduction</i> , 2021, 27, .	2.8	1
3	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
4	Functional role of glycosaminoglycans in decellularized lung extracellular matrix. <i>Acta Biomaterialia</i> , 2020, 102, 231-246.	8.3	60
5	Matrisome Properties of Scaffolds Direct Fibroblasts in Idiopathic Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4013.	4.1	35
6	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
7	Quantifying extracellular matrix turnover in human lung scaffold cultures. <i>Scientific Reports</i> , 2018, 8, 5409.	3.3	44
8	Quantitative proteomic characterization of the lung extracellular matrix in chronic obstructive pulmonary disease and idiopathic pulmonary fibrosis. <i>Journal of Proteomics</i> , 2018, 189, 23-33.	2.4	61
9	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
10	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
11	The GAGome: a cell-based library of displayed glycosaminoglycans. <i>Nature Methods</i> , 2018, 15, 881-888.	19.0	113
12	Quantitative proteomic characterization of lung-MSC and bone marrow-MSC using DIA-mass spectrometry. <i>Scientific Reports</i> , 2017, 7, 9316.	3.3	33
13	Xyloside-primed Chondroitin Sulfate/Dermatan Sulfate from Breast Carcinoma Cells with a Defined Disaccharide Composition Has Cytotoxic Effects in Vitro. <i>Journal of Biological Chemistry</i> , 2016, 291, 14871-14882.	3.4	28
14	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
15	Deciphering the mode of action of the processive polysaccharide modifying enzyme dermatan sulfate epimerase 1 by hydrogenâ€“deuterium exchange mass spectrometry. <i>Chemical Science</i> , 2016, 7, 1447-1456.	7.4	16
16	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
17	Versican in inflammation and tissue remodeling: The impact on lung disorders. <i>Glycobiology</i> , 2015, 25, 243-251.	2.5	75
18	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

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19	Dermatan Sulfate Epimerases (DSE, DSEL). , 2014, , 935-945.		0
20	Biological functions of iduronic acid in chondroitin/dermatan sulfate. FEBS Journal, 2013, 280, 2431-2446.	4.7	108
21	Iduronic Acid in Chondroitin/Dermatan Sulfate Affects Directional Migration of Aortic Smooth Muscle Cells. PLoS ONE, 2013, 8, e66704.	2.5	25
22	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
23	Dermatan Sulfate Is Involved in the Tumorigenic Properties of Esophagus Squamous Cell Carcinoma. Cancer Research, 2012, 72, 1943-1952.	0.9	58
24	Iduronic Acid in Chondroitin/Dermatan Sulfate. Journal of Histochemistry and Cytochemistry, 2012, 60, 916-925.	2.5	94
25	TLR4 dependent heparan sulphate-induced pancreatic inflammatory response is IRF3-mediated. Journal of Translational Medicine, 2011, 9, 219.	4.4	54
26	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
27	High-mobility group box protein 1 and its signalling receptors in human preterm and term cervix. Journal of Reproductive Immunology, 2010, 84, 86-94.	1.9	39
28	Pro-inflammatory and anti-inflammatory cytokines in human preterm and term cervical ripening. Journal of Reproductive Immunology, 2010, 84, 176-185.	1.9	72
29	Decreased gene expression of fibrillin-1 in stress urinary incontinence. Neurourology and Urodynamics, 2010, 29, 476-481.	1.5	12
30	Proposed protective mechanism of the pancreas in the rat. Journal of Inflammation, 2010, 7, 24.	3.4	7
31	Does low molecular weight heparin shorten term labor?. Acta Obstetrica Et Gynecologica Scandinavica, 2010, 89, 147-150.	2.8	13
32	Two Dermatan Sulfate Epimerases Form Iduronic Acid Domains in Dermatan Sulfate. Journal of Biological Chemistry, 2009, 284, 9788-9795.	3.4	74
33	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
34	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
35	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
36	Dermatan sulfate domains defined by the novel antibody GD3A12, in normal tissues and ovarian adenocarcinomas. Histochemistry and Cell Biology, 2009, 132, 117-127.	1.7	29

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37	Low molecular weight heparin stimulates myometrial contractility and cervical remodeling in vitro. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2009, 88, 984-989.	2.8	27
38	Gene expressions of small leucine-rich repeat proteoglycans and fibulin-5 are decreased in pelvic organ prolapse. <i>Molecular Human Reproduction</i> , 2009, 15, 251-257.	2.8	25
39	Differences in heparan sulfate production in cervical fibroblast cultures from women undergoing term and preterm delivery. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2008, 87, 1220-1228.	2.8	8
40	Initiation of acute pancreatitis by heparan sulphate in the rat. <i>Scandinavian Journal of Gastroenterology</i> , 2008, 43, 480-489.	1.5	12
41	The importance of fibroblasts in remodelling of the human uterine cervix during pregnancy and parturition. <i>Molecular Human Reproduction</i> , 2007, 13, 333-341.	2.8	60
42	Tissue fibrocytes in patients with mild asthma: A possible link to thickness of reticular basement membrane?. <i>Respiratory Research</i> , 2006, 7, 50.	3.6	122
43	Prolonged labour associated with lower expression of syndecan 3 and connexin 43 in human uterine tissue. <i>Reproductive Biology and Endocrinology</i> , 2006, 4, 24.	3.3	32
44	A tandem mass spectrometric approach to determination of chondroitin/dermatan sulfate oligosaccharide glycoforms. <i>Glycobiology</i> , 2006, 16, 502-513.	2.5	70
45	Biosynthesis of Dermatan Sulfate. <i>Journal of Biological Chemistry</i> , 2006, 281, 11560-11568.	3.4	120
46	Normal labor associated with changes in uterine heparan sulfate proteoglycan expression and localization. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2005, 84, 217-224.	2.8	11
47	Normal labor associated with changes in uterine heparan sulfate proteoglycan expression and localization. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2005, 84, 217-224.	2.8	13
48	Regulation of the chondroitin/dermatan fine structure by transforming growth factor- β 1 through effects on polymer-modifying enzymes. <i>Glycobiology</i> , 2005, 15, 1277-1285.	2.5	49
49	mRNA expression and localization of bNOS, eNOS and iNOS in human cervix at preterm and term labour. <i>Reproductive Biology and Endocrinology</i> , 2005, 3, 33.	3.3	48
50	Presence of Activated Mobile Fibroblasts in Bronchoalveolar Lavage from Patients with Mild Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 1049-1056.	5.6	50
51	15-Hydroxyprostaglandin Dehydrogenase and Cyclooxygenase 2 Messenger Ribonucleic Acid Expression and Immunohistochemical Localization in Human Cervical Tissue during Term and Preterm Labor. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 2909-2915.	3.6	34
52	Young women with genital prolapse have a low collagen concentration. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2004, 83, 1193-1198.	2.8	71
53	Lung fibroblast clones from normal and fibrotic subjects differ in hyaluronan and decorin production and rate of proliferation. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 1573-1584.	2.8	36
54	Young women with genital prolapse have a low collagen concentration. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2004, 83, 1193-1198.	2.8	61

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55	Matrix metalloproteinase-8 correlates with the cervical ripening process in humans. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2003, 82, 904-911.	2.8	40
56	Matrix metalloproteinase-8 correlates with the cervical ripening process in humans. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2003, 82, 904-911.	2.8	43
57	Vascular PC ϵ M/versican variants promote platelet adhesion at low shear rates and cooperate with collagens to induce aggregation. <i>FASEB Journal</i> , 2002, 16, 1903-1916.	0.5	29
58	Heparan Sulfate 3-O-Sulfotransferase Isoform 5 Generates Both an Antithrombin-binding Site and an Entry Receptor for Herpes Simplex Virus, Type 1. <i>Journal of Biological Chemistry</i> , 2002, 277, 37912-37919.	3.4	153
59	Proteoglycan production in disomic and trisomy 7-carrying human synovial cells. <i>Matrix Biology</i> , 2002, 21, 325-335.	3.6	10
60	Changes of the uterine proteoglycan distribution at term pregnancy and during labour. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2002, 100, 146-151.	1.1	31
61	Myofibroblast accumulation correlates with the formation of fibrotic tissue in a rat air pouch model. <i>Journal of Rheumatology</i> , 2002, 29, 1698-707.	2.0	3
62	The Glucuronyl C5-Epimerase Activity Is the Limiting Factor in the Dermatan Sulfate Biosynthesis. <i>Archives of Biochemistry and Biophysics</i> , 2001, 391, 65-71.	3.0	24
63	Identification of the major proteoglycans from human myometrium. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2001, 80, 1084-1090.	2.8	9
64	Proteoglycans and hyaluronan in human fetal membranes. <i>American Journal of Obstetrics and Gynecology</i> , 2001, 184, 679-685.	1.3	87
65	CD40 Expression in Uterine Tissues: A Key Regulator of Cytokine Expression by Fibroblasts. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 405-412.	3.6	22
66	Human cervical ripening, an inflammatory process mediated by cytokines. <i>Molecular Human Reproduction</i> , 2000, 6, 375-381.	2.8	219
67	Dermatan Is a Better Substrate for 4-O-Sulfation Than Chondroitin: Implications in the Generation of 4-O-Sulfated, -Iduronate-Rich Galactosaminoglycans. <i>Archives of Biochemistry and Biophysics</i> , 2000, 383, 171-177.	3.0	14
68	Isolation and characterization of proteoglycans from human follicular fluid. <i>Biochemical Journal</i> , 1999, 340, 613-620.	3.7	47
69	Cervical fetal fibronectin correlates to prostaglandin E $_{2}$ -induced cervical ripening and can be identified in cervical tissue. <i>American Journal of Obstetrics and Gynecology</i> , 1998, 178, 540-545.	1.3	20
70	Differential expressions of mRNA for proteoglycans, collagens and transforming growth factor- β 2 in the human cervix during pregnancy and involution. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1998, 1406, 203-213.	3.8	81
71	Different organization of collagen fibrils in stress-incontinent women of fertile age. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 1998, 77, 87-94.	2.8	96
72	Paraurethral connective tissue in stress-incontinent women after menopause. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 1998, 77, 95-100.	2.8	72

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73	Human follicular fluid proteoglycans in relation to in vitro fertilization. <i>Fertility and Sterility</i> , 1997, 68, 791-798.	1.0	21
74	Cytokine regulation of proteoglycan production in fibroblasts: separate and synergistic effects. <i>Matrix Biology</i> , 1997, 15, 469-478.	3.6	55
75	Potential Roles for Gonadal Steroids and Insulin-like Growth Factor I During Final Cervical Ripening. <i>Obstetrics and Gynecology</i> , 1997, 90, 375-380.	2.4	32
76	Binding, internalization, and degradation of antiproliferative heparan sulfate by human embryonic lung fibroblasts. <i>Journal of Cellular Biochemistry</i> , 1997, 64, 595-604.	2.6	14
77	Changes in paraurethral connective tissue at menopause are counteracted by estrogen. <i>Maturitas</i> , 1996, 24, 197-204.	2.4	53
78	Changes in paraurethral connective tissue at menopause are counteracted by estrogen. <i>Maturitas</i> , 1996, 24, 197-204.	2.4	102
79	Biosynthesis of dermatan sulphate. Defructosylated <i>Escherichia coli</i> K4 capsular polysaccharide as a substrate for the glucuronyl C-5 epimerase, and an indication of a two-base reaction mechanism. <i>Biochemical Journal</i> , 1996, 313, 589-596.	3.7	48
80	Cervical ripening in humans: Potential roles of estrogen, progesterone, and insulin-like growth factor-I. <i>American Journal of Obstetrics and Gynecology</i> , 1996, 174, 1065-1071.	1.3	83
81	Cervical fetal fibronectin correlates to cervical ripening. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1995, 74, 698-701.	2.8	22
82	Patterns of uronosyl epimerization and 4-O-sulphation in chondroitin/dermatan sulphate from decorin and biglycan of various bovine tissues. <i>Glycobiology</i> , 1994, 4, 685-696.	2.5	98
83	L-Iduronate-Rich Glycosaminoglycans Inhibit Growth of Normal Fibroblasts Independently of Serum or Added Growth Factors. <i>Experimental Cell Research</i> , 1993, 206, 93-99.	2.6	44
84	Serum collagenase levels in relation to the state of the human cervix during pregnancy and labor. <i>American Journal of Obstetrics and Gynecology</i> , 1992, 167, 1284-1288.	1.3	47
85	Transforming growth factor-beta induces selective increase of proteoglycan production and changes in the copolymeric structure of dermatan sulphate in human skin fibroblasts. <i>FEBS Journal</i> , 1992, 205, 277-286.	0.2	53
86	The Synthesis of a Family of Structurally Related Proteoglycans in Fibroblasts is Differently Regulated by TGF- β 2. <i>Matrix Biology</i> , 1991, 11, 177-183.	1.7	89
87	Proliferation of cultured fibroblasts is inhibited by L-Iduronate-containing glycosaminoglycans. <i>Journal of Cellular Physiology</i> , 1991, 147, 523-530.	4.1	100
88	TGF- β 2 enhances the production of hyaluronan in human lung but not in skin fibroblasts. <i>Experimental Cell Research</i> , 1990, 186, 192-195.	2.6	67
89	Different biochemical composition of connective tissue in continent and stress incontinent women. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1987, 66, 455-457.	2.8	181
90	The Functions of the Heparan Sulphate Proteoglycans. <i>Novartis Foundation Symposium</i> , 1986, 124, 125-142.	1.1	9

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91	Proteoglycans from Cultures of Fibroblast from the Human Uterine Cervix. Gynecologic and Obstetric Investigation, 1985, 19, 146-154.	1.6	6
92	Equilibration of [3H]glucosamine and [35S]sulfate with intracellular pools of UDP-N-acetylhexosamine and 3- ² -phosphoadenosine-5- ² -phosphosulfate (PAPS) in cultured fibroblasts. Archives of Biochemistry and Biophysics, 1984, 235, 692-698.	3.0	22
93	New assay for uronosyl 5-epimerases. Analytical Biochemistry, 1983, 131, 146-152.	2.4	18
94	Biochemical Changes in Human Cervical Connective Tissue after Local Application of Prostaglandin E ₂ . Gynecologic and Obstetric Investigation, 1983, 15, 291-299.	1.6	52
95	Dermatan Sulphate and Mucin Glycopeptides from the Human Uterine Cervix. Gynecologic and Obstetric Investigation, 1983, 16, 199-209.	1.6	10
96	Ripening of the human uterine cervix related to changes in collagen, glycosaminoglycans, and collagenolytic activity. American Journal of Obstetrics and Gynecology, 1983, 147, 662-666.	1.3	341
97	Human Cervical Connective Tissue and its Reaction to Prostaglandin E ₂ . Acta Obstetrica Et Gynecologica Scandinavica, 1983, 62, 163-166.	2.8	22
98	Effect of Glucocorticoids on Glycosaminoglycan Metabolism in Cultured Human Skin Fibroblasts. Journal of Investigative Dermatology, 1982, 79, 412-417.	0.7	39
99	Isopycnic-centrifugation studies in caesium chloride and in caesium sulphate on dermatan sulphate proteoglycans from bovine sclera. Biochemical Journal, 1981, 199, 581-589.	3.7	14
100	Periodate oxidation and alkaline degradation of heparin-related glycans. Carbohydrate Research, 1980, 80, 131-145.	2.3	45
101	The copolymeric structure of pig skin dermatan sulphate. Characterization of D-glucuronic acid-containing oligosaccharides isolated after controlled degradation of oxysteran sulphate. Biochemical Journal, 1974, 143, 369-378.	3.7	20
102	The copolymeric structure of pig skin dermatan sulphate. Isolation and characterization of D-glucuronic acid-containing oligosaccharides from copolymeric chains. Biochemical Journal, 1974, 143, 379-389.	3.7	30
103	Structure of Pig Skin Dermatan Sulfate. 1. Distribution of D-Glucuronic Acid Residues. FEBS Journal, 1971, 18, 422-430.	0.2	42