

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
g-index

103
all docs

103
docs citations

103
times ranked

3649
citing authors

#	ARTICLE	IF	CITATIONS
1	Ripening of the human uterine cervix related to changes in collagen, glycosaminoglycans, and collagenolytic activity. <i>American Journal of Obstetrics and Gynecology</i> , 1983, 147, 662-666.	1.3	341
2	Human cervical ripening, an inflammatory process mediated by cytokines. <i>Molecular Human Reproduction</i> , 2000, 6, 375-381.	2.8	219
3	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
4	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
5	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
6	Biosynthesis of Dermatan Sulfate. <i>Journal of Biological Chemistry</i> , 2006, 281, 11560-11568.	3.4	120
7	The GAGome: a cell-based library of displayed glycosaminoglycans. <i>Nature Methods</i> , 2018, 15, 881-888.	19.0	113
8	Biological functions of iduronic acid in chondroitin/dermatan sulfate. <i>FEBS Journal</i> , 2013, 280, 2431-2446.	4.7	108
9	Changes in paraurethral connective tissue at menopause are counteracted by estrogen. <i>Maturitas</i> , 1996, 24, 197-204.	2.4	102
10	Proliferation of cultured fibroblasts is inhibited by L-Iduronate-containing glycosaminoglycans. <i>Journal of Cellular Physiology</i> , 1991, 147, 523-530.	4.1	100
11	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
12	Different organization of collagen fibrils in stress-incontinent women of fertile age. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1998, 77, 87-94.	2.8	96
13	Iduronic Acid in Chondroitin/Dermatan Sulfate. <i>Journal of Histochemistry and Cytochemistry</i> , 2012, 60, 916-925.	2.5	94
14	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
15	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
16	Proteoglycans and hyaluronan in human fetal membranes. <i>American Journal of Obstetrics and Gynecology</i> , 2001, 184, 679-685.	1.3	87
17	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
18	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

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19	Versican in inflammation and tissue remodeling: The impact on lung disorders. <i>Glycobiology</i> , 2015, 25, 243-251.	2.5	75
20	Two Dermatan Sulfate Epimerases Form Iduronic Acid Domains in Dermatan Sulfate. <i>Journal of Biological Chemistry</i> , 2009, 284, 9788-9795.	3.4	74
21	Paraurethral connective tissue in stress-incontinent women after menopause. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1998, 77, 95-100.	2.8	72
22	Pro-inflammatory and anti-inflammatory cytokines in human preterm and term cervical ripening. <i>Journal of Reproductive Immunology</i> , 2010, 84, 176-185.	1.9	72
23	Young women with genital prolapse have a low collagen concentration. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2004, 83, 1193-1198.	2.8	71
24	A tandem mass spectrometric approach to determination of chondroitin/dermatan sulfate oligosaccharide glycoforms. <i>Glycobiology</i> , 2006, 16, 502-513.	2.5	70
25	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
26	Young women with genital prolapse have a low collagen concentration. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2004, 83, 1193-1198.	2.8	61
27	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
28	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
29	Functional role of glycosaminoglycans in decellularized lung extracellular matrix. <i>Acta Biomaterialia</i> , 2020, 102, 231-246.	8.3	60
30	Dermatan Sulfate Is Involved in the Tumorigenic Properties of Esophagus Squamous Cell Carcinoma. <i>Cancer Research</i> , 2012, 72, 1943-1952.	0.9	58
31	Cytokine regulation of proteoglycan production in fibroblasts: separate and synergistic effects. <i>Matrix Biology</i> , 1997, 15, 469-478.	3.6	55
32	TLR4 dependent heparan sulphate-induced pancreatic inflammatory response is IRF3-mediated. <i>Journal of Translational Medicine</i> , 2011, 9, 219.	4.4	54
33	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
34	Changes in paraurethral connective tissue at menopause are counteracted by estrogen. <i>Maturitas</i> , 1996, 24, 197-204.	2.4	53
35	Biochemical Changes in Human Cervical Connective Tissue after Local Application of Prostaglandin E ₂ . <i>Gynecologic and Obstetric Investigation</i> , 1983, 15, 291-299.	1.6	52
36	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

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37	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
38	Biosynthesis of dermatan sulphate. Defructosylated <i>Escherichia coli</i> K4 capsular polysaccharide as a substrate for the α -D-glucuronyl C-5 epimerase, and an indication of a two-base reaction mechanism. <i>Biochemical Journal</i> , 1996, 313, 589-596.	3.7	48
39	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
40	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
41	Isolation and characterization of proteoglycans from human follicular fluid. <i>Biochemical Journal</i> , 1999, 340, 613-620.	3.7	47
42	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
43	Periodate oxidation and alkaline degradation of heparin-related glycans. <i>Carbohydrate Research</i> , 1980, 80, 131-145.	2.3	45
44	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
45	Quantifying extracellular matrix turnover in human lung scaffold cultures. <i>Scientific Reports</i> , 2018, 8, 5409.	3.3	44
46	Matrix metalloproteinase-8 correlates with the cervical ripening process in humans. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2003, 82, 904-911.	2.8	43
47	Structure of Pig Skin Dermatan Sulfate. 1. Distribution of D-Glucuronic Acid Residues. <i>FEBS Journal</i> , 1971, 18, 422-430.	0.2	42
48	Matrix metalloproteinase-8 correlates with the cervical ripening process in humans. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2003, 82, 904-911.	2.8	40
49	Effect of Glucocorticoids on Glycosaminoglycan Metabolism in Cultured Human Skin Fibroblasts. <i>Journal of Investigative Dermatology</i> , 1982, 79, 412-417.	0.7	39
50	High-mobility group box protein 1 and its signalling receptors in human preterm and term cervix. <i>Journal of Reproductive Immunology</i> , 2010, 84, 86-94.	1.9	39
51	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
52	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
53	Matrisome Properties of Scaffolds Direct Fibroblasts in Idiopathic Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4013.	4.1	35
54	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

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55	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
56	Quantitative proteomic characterization of lung-MSC and bone marrow-MSC using DIA-mass spectrometry. <i>Scientific Reports</i> , 2017, 7, 9316.	3.3	33
57	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
58	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
59	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
60	The copolymeric structure of pig skin dermatan sulphate. Isolation and characterization of Idurono-sulphate-containing oligosaccharides from copolymeric chains. <i>Biochemical Journal</i> , 1974, 143, 379-389.	3.7	30
61	Vascular PG 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
62	Dermatan sulfate domains defined by the novel antibody GD3A12, in normal tissues and ovarian adenocarcinomas. <i>Histochemistry and Cell Biology</i> , 2009, 132, 117-127.	1.7	29
63	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
64	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
65	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
66	Low molecular weight heparin stimulates myometrial contractility and cervical remodeling in vitro. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2009, 88, 984-989.	2.8	27
67	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
68	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
69	Iduronic Acid in Chondroitin/Dermatan Sulfate Affects Directional Migration of Aortic Smooth Muscle Cells. <i>PLoS ONE</i> , 2013, 8, e66704.	2.5	25
70	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
71	Equilibration of [3H]glucosamine and [35S]sulfate with intracellular pools of UDP-N-acetylhexosamine and 3 α -phosphoadenosine-5 α -phosphosulfate (PAPS) in cultured fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , 1984, 235, 692-698.	3.0	22
72	Cervical fetal fibronectin correlates to cervical ripening. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1995, 74, 698-701.	2.8	22

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73	CD40 Expression in Uterine Tissues: A Key Regulator of Cytokine Expression by Fibroblasts ¹ . <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 405-412.	3.6	22
74	Human Cervical Connective Tissue and its Reaction to Prostaglandin E ₂ . <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 1983, 62, 163-166.	2.8	22
75	Human follicular fluid proteoglycans in relation to in vitro fertilization. <i>Fertility and Sterility</i> , 1997, 68, 791-798.	1.0	21
76	The copolymeric structure of pig skin dermatan sulphate. Characterization of ^d-glucuronic acid-containing oligosaccharides isolated after controlled degradation of oxydermatan sulphate. <i>Biochemical Journal</i> , 1974, 143, 369-378.	3.7	20
77	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
78	New assay for uronosyl 5-epimerases. <i>Analytical Biochemistry</i> , 1983, 131, 146-152.	2.4	18
79	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
80	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
81	Isopycnic-centrifugation studies in caesium chloride and in caesium sulphate on dermatan sulphate proteoglycans from bovine sclera. <i>Biochemical Journal</i> , 1981, 199, 581-589.	3.7	14
82	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
83	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
84	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
85	Does low molecular weight heparin shorten term labor?. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2010, 89, 147-150.	2.8	13
86	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
87	Initiation of acute pancreatitis by heparan sulphate in the rat. <i>Scandinavian Journal of Gastroenterology</i> , 2008, 43, 480-489.	1.5	12
88	Decreased gene expression of fibrillin“1 in stress urinary incontinence. <i>Neurourology and Urodynamics</i> , 2010, 29, 476-481.	1.5	12
89	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
90	Dermatan Sulphate and Mucin Glycopeptides from the Human Uterine Cervix. <i>Gynecologic and Obstetric Investigation</i> , 1983, 16, 199-209.	1.6	10

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91	Proteoglycan production in disomic and trisomy 7-carrying human synovial cells. <i>Matrix Biology</i> , 2002, 21, 325-335.	3.6	10
92	Identification of the major proteoglycans from human myometrium. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2001, 80, 1084-1090.	2.8	9
93	The Functions of the Heparan Sulphate Proteoglycans. <i>Novartis Foundation Symposium</i> , 1986, 124, 125-142.	1.1	9
94	Differences in heparan sulfate production in cervical fibroblast cultures from women undergoing term and preterm delivery. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2008, 87, 1220-1228.	2.8	8
95	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
96	Proposed protective mechanism of the pancreas in the rat. <i>Journal of Inflammation</i> , 2010, 7, 24.	3.4	7
97	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
98	Proteoglycans from Cultures of Fibroblast from the Human Uterine Cervix. <i>Gynecologic and Obstetric Investigation</i> , 1985, 19, 146-154.	1.6	6
99	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
100	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
101	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
102	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
103	Dermatan Sulfate Epimerases (DSE, DSEL). , 2014, , 935-945.		0