

Anders Malmström

List of Publications by Year in descending order

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103
papers

5,014
citations

66250

44
h-index

111975

67
g-index

103
all docs

103
docs citations

103
times ranked

3958
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. | 3.7 | 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, . | 1.3 | 1 |
| 3 | Inhibition of iduronic acid biosynthesis by ebselen reduces glycosaminoglycan accumulation in mucopolysaccharidosis type I fibroblasts. <i>Glycobiology</i> , 2021, 31, 1319-1329. | 1.3 | 2 |
| 4 | Functional role of glycosaminoglycans in decellularized lung extracellular matrix. <i>Acta Biomaterialia</i> , 2020, 102, 231-246. | 4.1 | 60 |
| 5 | Matrisome Properties of Scaffolds Direct Fibroblasts in Idiopathic Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4013. | 1.8 | 35 |
| 6 | Recombinant dermatan sulfate is a potent activator of heparin cofactor II-dependent inhibition of thrombin. <i>Glycobiology</i> , 2019, 29, 446-451. | 1.3 | 8 |
| 7 | Quantifying extracellular matrix turnover in human lung scaffold cultures. <i>Scientific Reports</i> , 2018, 8, 5409. | 1.6 | 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. | 1.2 | 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. | 2.2 | 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. | 1.6 | 26 |
| 11 | The GAGome: a cell-based library of displayed glycosaminoglycans. <i>Nature Methods</i> , 2018, 15, 881-888. | 9.0 | 113 |
| 12 | Quantitative proteomic characterization of lung-MSC and bone marrow-MSC using DIA-mass spectrometry. <i>Scientific Reports</i> , 2017, 7, 9316. | 1.6 | 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. | 1.6 | 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. | 1.2 | 17 |
| 15 | 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. | 3.7 | 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. | 1.1 | 34 |
| 17 | Versican in inflammation and tissue remodeling: The impact on lung disorders. <i>Glycobiology</i> , 2015, 25, 243-251. | 1.3 | 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. | 2.2 | 108 |
| 21 | Iduronic Acid in Chondroitin/Dermatan Sulfate Affects Directional Migration of Aortic Smooth Muscle Cells. PLoS ONE, 2013, 8, e66704. | 1.1 | 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. | 1.3 | 29 |
| 23 | Dermatan Sulfate Is Involved in the Tumorigenic Properties of Esophagus Squamous Cell Carcinoma. Cancer Research, 2012, 72, 1943-1952. | 0.4 | 58 |
| 24 | Iduronic Acid in Chondroitin/Dermatan Sulfate. Journal of Histochemistry and Cytochemistry, 2012, 60, 916-925. | 1.3 | 94 |
| 25 | TLR4 dependent heparan sulphate-induced pancreatic inflammatory response is IRF3-mediated. Journal of Translational Medicine, 2011, 9, 219. | 1.8 | 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. | 1.3 | 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. | 0.8 | 39 |
| 28 | Pro-inflammatory and anti-inflammatory cytokines in human preterm and term cervical ripening. Journal of Reproductive Immunology, 2010, 84, 176-185. | 0.8 | 72 |
| 29 | Decreased gene expression of fibrillin-1 in stress urinary incontinence. Neurourology and Urodynamics, 2010, 29, 476-481. | 0.8 | 12 |
| 30 | Proposed protective mechanism of the pancreas in the rat. Journal of Inflammation, 2010, 7, 24. | 1.5 | 7 |
| 31 | Does low molecular weight heparin shorten term labor?. Acta Obstetrica Et Gynecologica Scandinavica, 2010, 89, 147-150. | 1.3 | 13 |
| 32 | Two Dermatan Sulfate Epimerases Form Iduronic Acid Domains in Dermatan Sulfate. Journal of Biological Chemistry, 2009, 284, 9788-9795. | 1.6 | 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. | 1.1 | 88 |
| 34 | Dermatan 4-O-sulfotransferase 1 is pivotal in the formation of iduronic acid blocks in dermatan sulfate. Glycobiology, 2009, 19, 1197-1203. | 1.3 | 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. | 1.6 | 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. | 0.8 | 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. | 1.3 | 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. | 1.3 | 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. | 1.3 | 8 |
| 40 | Initiation of acute pancreatitis by heparan sulphate in the rat. <i>Scandinavian Journal of Gastroenterology</i> , 2008, 43, 480-489. | 0.6 | 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. | 1.3 | 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. | 1.4 | 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. | 1.4 | 32 |
| 44 | A tandem mass spectrometric approach to determination of chondroitin/dermatan sulfate oligosaccharide glycoforms. <i>Glycobiology</i> , 2006, 16, 502-513. | 1.3 | 70 |
| 45 | Biosynthesis of Dermatan Sulfate. <i>Journal of Biological Chemistry</i> , 2006, 281, 11560-11568. | 1.6 | 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. | 1.3 | 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. | 1.3 | 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. | 1.3 | 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. | 1.4 | 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. | 2.5 | 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. | 1.8 | 34 |
| 52 | Young women with genital prolapse have a low collagen concentration. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2004, 83, 1193-1198. | 1.3 | 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. | 1.2 | 36 |
| 54 | Young women with genital prolapse have a low collagen concentration. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2004, 83, 1193-1198. | 1.3 | 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. | 1.3 | 40 |
| 56 | Matrix metalloproteinase-8 correlates with the cervical ripening process in humans. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2003, 82, 904-911. | 1.3 | 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. | 0.2 | 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. | 1.6 | 153 |
| 59 | Proteoglycan production in disomic and trisomy 7-carrying human synovial cells. <i>Matrix Biology</i> , 2002, 21, 325-335. | 1.5 | 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. | 0.5 | 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. | 1.0 | 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. | 1.4 | 24 |
| 63 | Identification of the major proteoglycans from human myometrium. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2001, 80, 1084-1090. | 1.3 | 9 |
| 64 | Proteoglycans and hyaluronan in human fetal membranes. <i>American Journal of Obstetrics and Gynecology</i> , 2001, 184, 679-685. | 0.7 | 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. | 1.8 | 22 |
| 66 | Human cervical ripening, an inflammatory process mediated by cytokines. <i>Molecular Human Reproduction</i> , 2000, 6, 375-381. | 1.3 | 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. | 1.4 | 14 |
| 68 | Isolation and characterization of proteoglycans from human follicular fluid. <i>Biochemical Journal</i> , 1999, 340, 613-620. | 1.7 | 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. | 0.7 | 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. | 1.8 | 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. | 1.3 | 96 |
| 72 | Paraurethral connective tissue in stress-incontinent women after menopause. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 1998, 77, 95-100. | 1.3 | 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. | 0.5 | 21 |
| 74 | Cytokine regulation of proteoglycan production in fibroblasts: separate and synergistic effects. <i>Matrix Biology</i> , 1997, 15, 469-478. | 1.5 | 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. | 1.2 | 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. | 1.2 | 14 |
| 77 | Changes in paraurethral connective tissue at menopause are counteracted by estrogen. <i>Maturitas</i> , 1996, 24, 197-204. | 1.0 | 53 |
| 78 | Changes in paraurethral connective tissue at menopause are counteracted by estrogen. <i>Maturitas</i> , 1996, 24, 197-204. | 1.0 | 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. | 1.7 | 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. | 0.7 | 83 |
| 81 | Cervical fetal fibronectin correlates to cervical ripening. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1995, 74, 698-701. | 1.3 | 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. | 1.3 | 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. | 1.2 | 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. | 0.7 | 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. | 1.8 | 89 |
| 87 | Proliferation of cultured fibroblasts is inhibited by L-Iduronate-containing glycosaminoglycans. <i>Journal of Cellular Physiology</i> , 1991, 147, 523-530. | 2.0 | 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. | 1.2 | 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. | 1.3 | 181 |
| 90 | The Functions of the Heparan Sulphate Proteoglycans. <i>Novartis Foundation Symposium</i> , 1986, 124, 125-142. | 1.2 | 9 |

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|-----|---|-----|-----------|
| 91 | Proteoglycans from Cultures of Fibroblast from the Human Uterine Cervix. Gynecologic and Obstetric Investigation, 1985, 19, 146-154. | 0.7 | 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. | 1.4 | 22 |
| 93 | New assay for uronosyl 5-epimerases. Analytical Biochemistry, 1983, 131, 146-152. | 1.1 | 18 |
| 94 | Biochemical Changes in Human Cervical Connective Tissue after Local Application of Prostaglandin E ₂ . Gynecologic and Obstetric Investigation, 1983, 15, 291-299. | 0.7 | 52 |
| 95 | Dermatan Sulphate and Mucin Glycopeptides from the Human Uterine Cervix. Gynecologic and Obstetric Investigation, 1983, 16, 199-209. | 0.7 | 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. | 0.7 | 341 |
| 97 | Human Cervical Connective Tissue and its Reaction to Prostaglandin E ₂ . Acta Obstetrica Et Gynecologica Scandinavica, 1983, 62, 163-166. | 1.3 | 22 |
| 98 | Effect of Glucocorticoids on Glycosaminoglycan Metabolism in Cultured Human Skin Fibroblasts. Journal of Investigative Dermatology, 1982, 79, 412-417. | 0.3 | 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. | 1.7 | 14 |
| 100 | Periodate oxidation and alkaline degradation of heparin-related glycans. Carbohydrate Research, 1980, 80, 131-145. | 1.1 | 45 |
| 101 | The copolymeric structure of pig skin dermatan sulphate. Characterization of D-glucuronic acid-containing oligosaccharides isolated after controlled degradation of oxysteratan sulphate. Biochemical Journal, 1974, 143, 369-378. | 1.7 | 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. | 1.7 | 30 |
| 103 | Structure of Pig Skin Dermatan Sulphate. 1. Distribution of D-Glucuronic Acid Residues. FEBS Journal, 1971, 18, 422-430. | 0.2 | 42 |