James Melrose

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2029760/publications.pdf

Version: 2024-02-01

170	6,971	76031	84171
papers	citations	42 h-index	75 g-index

182	182	182	6210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pentosan Polysulfate, a Semisynthetic Heparinoid Disease-Modifying Osteoarthritic Drug with Roles in Intervertebral Disc Repair Biology Emulating the Stem Cell Instructive and Tissue Reparative Properties of Heparan Sulfate. Stem Cells and Development, 2022, 31, 406-430.	1.1	5
2	Regulation of FGF-2, FGF-18 and Transcription Factor Activity by Perlecan in the Maturational Development of Transitional Rudiment and Growth Plate Cartilages and in the Maintenance of Permanent Cartilage Homeostasis. International Journal of Molecular Sciences, 2022, 23, 1934.	1.8	12
3	Perlecan, A Multi-Functional, Cell-Instructive, Matrix-Stabilizing Proteoglycan With Roles in Tissue Development Has Relevance to Connective Tissue Repair and Regeneration. Frontiers in Cell and Developmental Biology, 2022, 10, 856261.	1.8	37
4	Fractone Stem Cell Niche Components Provide Intuitive Clues in the Design of New Therapeutic Procedures/Biomatrices for Neural Repair. International Journal of Molecular Sciences, 2022, 23, 5148.	1.8	5
5	Muscle spindles of the multifidus muscle undergo structural change after intervertebral disc degeneration. European Spine Journal, 2022, 31, 1879-1888.	1.0	8
6	Perlecan in the Natural and Cell Therapy Repair of Human Adult Articular Cartilage: Can Modifications in This Proteoglycan Be a Novel Therapeutic Approach?. Biomolecules, 2021, 11, 92.	1.8	12
7	Perlecan in Pericellular Mechanosensory Cell-Matrix Communication, Extracellular Matrix Stabilisation and Mechanoregulation of Load-Bearing Connective Tissues. International Journal of Molecular Sciences, 2021, 22, 2716.	1.8	40
8	What Are the Potential Roles of Nuclear Perlecan and Other Heparan Sulphate Proteoglycans in the Normal and Malignant Phenotype. International Journal of Molecular Sciences, 2021, 22, 4415.	1.8	7
9	The CNS/PNS Extracellular Matrix Provides Instructive Guidance Cues to Neural Cells and Neuroregulatory Proteins in Neural Development and Repair. International Journal of Molecular Sciences, 2021, 22, 5583.	1.8	23
10	Neural Tissue Homeostasis and Repair Is Regulated via CS and DS Proteoglycan Motifs. Frontiers in Cell and Developmental Biology, 2021, 9, 696640.	1.8	21
11	Use of Chondroitin Sulphate to Aid In Vitro Stem Cell Differentiation. Biology of Extracellular Matrix, 2021, , 53-93.	0.3	1
12	3D distribution of perlecan within intervertebral disc chondrons suggests novel regulatory roles for this multifunctional modular heparan sulphate proteoglycan. , 2021, 41, 73-89.		13
13	Spatiotemporal Expression of 3-B-3(â˜) and 7-D-4 Chondroitin Sulfation, Tissue Remodeling, and Attempted Repair in an Ovine Model of Intervertebral Disc Degeneration. Cartilage, 2020, 11, 234-250.	1.4	13
14	Electroâ€Stimulation, a Promising Therapeutic Treatment Modality for Tissue Repair: Emerging Roles of Sulfated Glycosaminoglycans as Electroâ€Regulatory Mediators of Intrinsic Repair Processes. Advanced Therapeutics, 2020, 3, 2000151.	1.6	12
15	Perlecan, a modular instructive proteoglycan with diverse functional properties. International Journal of Biochemistry and Cell Biology, 2020, 128, 105849.	1.2	29
16	Aggrecan, the Primary Weight-Bearing Cartilage Proteoglycan, Has Context-Dependent, Cell-Directive Properties in Embryonic Development and Neurogenesis: Aggrecan Glycan Side Chain Modifications Convey Interactive Biodiversity. Biomolecules, 2020, 10, 1244.	1.8	27
17	The Inter-Î±-Trypsin Inhibitor Family: Versatile Molecules in Biology and Pathology. Journal of Histochemistry and Cytochemistry, 2020, 68, 907-927.	1.3	58
18	Immunolocalization of Keratan Sulfate in Rat Spinal Tissues Using the Keratanase Generated BKS-1(+) Neoepitope: Correlation of Expression Patterns with the Class II SLRPs, Lumican and Keratocan. Cells, 2020, 9, 826.	1.8	6

#	Article	IF	Citations
19	Keratan Sulphate in the Tumour Environment. Advances in Experimental Medicine and Biology, 2020, 1245, 39-66.	0.8	8
20	Novel Approaches in Meniscal Repair Utilizing Mesenchymal Stem Cells, New Generation Bioscaffolds and Biological Adhesives as Cell Delivery Vehicles. , 2019, , .		0
21	The Glucosinolates: A Sulphur Glucoside Family of Mustard Anti-Tumour and Antimicrobial Phytochemicals of Potential Therapeutic Application. Biomedicines, 2019, 7, 62.	1.4	55
22	A Retrospective Analysis of the Cartilage Kunitz Protease Inhibitory Proteins Identifies These as Members of the Inter-Î±-Trypsin Inhibitor Superfamily with Potential Roles in the Protection of the Articulatory Surface. International Journal of Molecular Sciences, 2019, 20, 497.	1.8	5
23	Type XI collagenâ€“perlecanâ€“HS interactions stabilise the pericellular matrix of annulus fibrosus cells and chondrocytes providing matrix stabilisation and homeostasis. Journal of Molecular Histology, 2019, 50, 285-294.	1.0	20
24	Keratan sulfate (<scp>KS</scp>)â€proteoglycans and neuronal regulation in health and disease: the importance of <scp>KS</scp>â€glycodynamics and interactive capability with neuroregulatory ligands. Journal of Neurochemistry, 2019, 149, 170-194.	2.1	45
25	Functional Consequences of Keratan Sulfate Sulfation in Electrosensory Tissues and in Neuronal Regulation. Advanced Biology, 2019, 3, e1800327.	3.0	15
26	The Importance of the Knee Joint Meniscal Fibrocartilages as Stabilizing Weight Bearing Structures Providing Global Protection to Human Knee-Joint Tissues. Cells, 2019, 8, 324.	1.8	14
27	Elevated hypertrophy, growth plate maturation, glycosaminoglycan deposition, and exostosis formation in the Hspg2 exon 3 null mouse intervertebral disc. Biochemical Journal, 2019, 476, 225-243.	1.7	8
28	Catabolism of Fibromodulin in Developmental Rudiment and Pathologic Articular Cartilage Demonstrates Novel Roles for MMP-13 and ADAMTS-4 in C-terminal Processing of SLRPs. International Journal of Molecular Sciences, 2019, 20, 579.	1.8	23
29	Glycosaminoglycan and Proteoglycan Biotherapeutics in Articular Cartilage Protection and Repair Strategies: Novel Approaches to Viscoâ€supplementation in Orthobiologics. Advanced Therapeutics, 2019, 2, 1900034.	1.6	16
30	A Perspective on the Potential Utility of a Viscosupplement Multifunctional Biotherapeutic. BioEssays, 2019, 41, e1800215.	1.2	2
31	Cancer Metastasis: The Role of the Extracellular Matrix and the Heparan Sulfate Proteoglycan Perlecan. Frontiers in Oncology, 2019, 9, 1482.	1.3	99
32	Mucin-like glycopolymer gels in electrosensory tissues generate cues which direct electrolocation in amphibians and neuronal activation in mammals. Neural Regeneration Research, 2019, 14, 1191.	1.6	17
33	Harnessing chondroitin sulphate in composite scaffolds to direct progenitor and stem cell function for tissue repair. Biomaterials Science, 2018, 6, 947-957.	2.6	37
34	The multifaceted roles of perlecan in fibrosis. Matrix Biology, 2018, 68-69, 150-166.	1.5	40
35	The adolescent idiopathic scoliotic IVD displays advanced aggrecanolysis and a glycosaminoglycan composition similar to that of aged human and ovine IVDs. European Spine Journal, 2018, 27, 2102-2113.	1.0	11
36	Biodiversity of CSâ€“proteoglycan sulphation motifs: chemical messenger recognition modules with roles in information transfer, control of cellular behaviour and tissue morphogenesis. Biochemical Journal, 2018, 475, 587-620.	1.7	45

#	Article	IF	Citations
37	Keratan sulfate, a complex glycosaminoglycan with unique functional capability. Glycobiology, 2018, 28, 182-206.	1.3	162
38	Cell Clusters Are Indicative of Stem Cell Activity in the Degenerate Intervertebral Disc: Can Their Properties Be Manipulated to Improve Intrinsic Repair of the Disc?. Stem Cells and Development, 2018, 27, 147-165.	1.1	26
39	The Role of Heparan Sulfate in Inflammation, and the Development of Biomimetics as Anti-Inflammatory Strategies. Journal of Histochemistry and Cytochemistry, 2018, 66, 321-336.	1.3	67
40	Hyaluronan oligosaccharides stimulate matrix metalloproteinase and anabolic gene expressionin vitroby intervertebral disc cells and annular repairin vivo. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e216-e226.	1.3	28
41	Efficacy of administered mesenchymal stem cells in the initiation and coâ€ordination of repair processes by resident disc cells in an ovine (<scp>Ovis aries</scp>) large destabilizing lesion model of experimental disc degeneration. JOR Spine, 2018, 1, e1037.	1.5	24
42	Concise Review: Stem/Progenitor Cell Proteoglycans Decorated with 7-D-4, 4-C-3, and 3-B-3(-) Chondroitin Sulfate Motifs Are Morphogenetic Markers of Tissue Development. Stem Cells, 2018, 36, 1475-1486.	1.4	18
43	Glycans and glycosaminoglycans in neurobiology: key regulators of neuronal cell function and fate. Biochemical Journal, 2018, 475, 2511-2545.	1.7	46
44	Macrophage polarization contributes to local inflammation and structural change in the multifidus muscle after intervertebral disc injury. European Spine Journal, 2018, 27, 1744-1756.	1.0	53
45	Achilles and tail tendons of perlecan exon 3 null heparan sulphate deficient mice display surprising improvement in tendon tensile properties and altered collagen fibril organisation compared to C57BL/6 wild type mice. PeerJ, 2018, 6, e5120.	0.9	7
46	The biology of meniscal pathology in osteoarthritis and its contribution to joint disease: beyond simple mechanics. Connective Tissue Research, 2017, 58, 282-294.	1.1	25
47	Macrophage Transformation Explains Local Inflammation and Structural Change in the Multifidus Muscle after Intervertebral Disc Injury. Spine Journal, 2017, 17, S125.	0.6	0
48	A Histopathological Scheme for the Quantitative Scoring of Intervertebral Disc Degeneration and the Therapeutic Utility of Adult Mesenchymal Stem Cells for Intervertebral Disc Regeneration. International Journal of Molecular Sciences, 2017, 18, 1049.	1.8	38
49	The 7D4, 4C3 and 3B3 (-) Chondroitin Sulphation Motifs are expressed at Sites of Cartilage and Bone Morphogenesis during Foetal Human Knee Joint Development. Journal of Glycobiology, 2016, 5, .	0.2	5
50	The knee joint loose body as a source of viable autologous human chondrocytes. European Journal of Histochemistry, 2016, 60, 2645.	0.6	8
51	Mesenchymal Stem Cell Treatment of Intervertebral Disc Lesion Prevents Fatty Infiltration and Fibrosis of the Multifidus Muscle, but not Cytokine and Muscle Fiber Changes. Spine, 2016, 41, 1208-1217.	1.0	24
52	Ablation of Perlecan Domain 1 Heparan Sulfate Reduces Progressive Cartilage Degradation, Synovitis, and Osteophyte Size in a Preclinical Model of Posttraumatic Osteoarthritis. Arthritis and Rheumatology, 2016, 68, 868-879.	2.9	46
53	Use of FGF-2 and FGF-18 to direct bone marrow stromal stem cells to chondrogenic and osteogenic lineages. Future Science OA, 2016, 2, FSO142.	0.9	34
54	The CS Sulfation Motifs 4C3, 7D4, 3B3[â^']; and Perlecan Identify Stem Cell Populations and Their Niches, Activated Progenitor Cells and Transitional Areas of Tissue Development in the Fetal Human Elbow. Stem Cells and Development, 2016, 25, 836-847.	1.1	23

#	Article	IF	Citations
55	The heparan sulphate deficient Hspg2 exon 3 null mouse displays reduced deposition of TGF-Î²1 in skin compared to C57BL/6 wild type mice. Journal of Molecular Histology, 2016, 47, 365-374.	1.0	17
56	Strategies in regenerative medicine for intervertebral disc repair using mesenchymal stem cells and bioscaffolds. Regenerative Medicine, 2016, 11, 705-724.	0.8	31
57	Interleukin-1Î± induces focal degradation of biglycan and tissue degeneration in an in-vitro ovine meniscal model. Experimental and Molecular Pathology, 2016, 101, 214-220.	0.9	7
58	Glycosaminoglycans in Wound Healing. Bone and Tissue Regeneration Insights, 2016, 7, BTRI.S38670.	3.0	31
59	The cartilage extracellular matrix as a transient developmental scaffold for growth plate maturation. Matrix Biology, 2016, 52-54, 363-383.	1.5	67
60	Pericellular colocalisation and interactive properties of type VI collagen and perlecan in the intervertebral disc. , 2016, 32, 40-57.		32
61	Perlecan Delineates Stem Cell Niches in Human Foetal Hip, Knee and Elbow Cartilage Rudiments and Has Potential Roles in the Regulation of Stem Cell Differentiation. HSOA Journal of Stem Cells Research, Development & Therapy, 2016, 3, 1-7.	0.2	3
62	Multifidus Muscle Changes After Back Injury Are Characterized by Structural Remodeling of Muscle, Adipose and Connective Tissue, but Not Muscle Atrophy. Spine, 2015, 40, 1057-1071.	1.0	105
63	Can We Produce Heparin/Heparan Sulfate Biomimetics Using â€œMother-Natureâ€•as the Gold Standard?. Molecules, 2015, 20, 4254-4276.	1.7	24
64	Proteoglycans in Normal and Healing Skin. Advances in Wound Care, 2015, 4, 152-173.	2.6	70
65	Multifidus muscle undergoes structural remodeling of muscle, adipose and connective tissue, but not atrophy after injury: molecular and morphological evidence. Physiotherapy, 2015, 101, e581.	0.2	1
66	Allogeneic mesenchymal stem cells improve indices of lumbar intervertebral disc degeneration without site specificity of injection in an ovine model. Osteoarthritis and Cartilage, 2015, 23, A81.	0.6	1
67	Can Proinflammatory Cytokine Gene Expression Explain Multifidus Muscle Fiber Changes After an Intervertebral Disc Lesion?. Spine, 2014, 39, 1010-1017.	1.0	54
68	Prevention and treatment of intervertebral disc degeneration with bone marrow derived stem (stromal) cells â€“ an in vivo study in sheep. Osteoarthritis and Cartilage, 2014, 22, S28-S29.	0.6	4
69	Confocal microscopy demonstrates association of LTBP-2 in fibrillin-1 microfibrils and colocalisation with perlecan in the disc cell pericellular matrix. Tissue and Cell, 2014, 46, 185-197.	1.0	12
70	The role of vascular-derived perlecan in modulating cell adhesion, proliferation and growth factor signaling. Matrix Biology, 2014, 35, 112-122.	1.5	105
71	Proteoglycans of the Intervertebral Disc. , 2014, , 53-77.		5
72	Comparative immunolocalisation of fibrillin-1 and perlecan in the human foetal, and HS-deficient hspg2 exon 3 null mutant mouse intervertebral disc. Histochemistry and Cell Biology, 2013, 139, 1-11.	0.8	17

#	Article	IF	Citations
73	Comparative immunolocalisation of perlecan, heparan sulphate, fibroblast growth factor-18, and fibroblast growth factor receptor-3 and their prospective roles in chondrogenic and osteogenic development of the human foetal spine. European Spine Journal, 2013, 22, 1774-1784.	1.0	17
74	The ovine newborn and human foetal intervertebral disc contain perlecan and aggrecan variably substituted with native 7D4 CS sulphation motif: spatiotemporal immunolocalisation and co-distribution with Notch-1 in the human foetal disc. Glycoconjugate Journal, 2013, 30, 717-725.	1.4	21
75	Altered stress induced by partial transection of the infraspinatus tendon leads to perlecan (HSPG2) accumulation in an ovine model of tendinopathy. Tissue and Cell, 2013, 45, 77-82.	1.0	9
76	Mechanical Destabilization Induced by Controlled Annular Incision of the Intervertebral Disc Dysregulates Metalloproteinase Expression and Induces Disc Degeneration. Spine, 2012, 37, 18-25.	1.0	53
77	Chondroitin sulphate and heparan sulphate sulphation motifs and their proteoglycans are involved in articular cartilage formation during human foetal knee joint development. Histochemistry and Cell Biology, 2012, 138, 461-475.	0.8	42
78	A comparative evaluation of the small leucine-rich proteoglycans of pathological human intervertebral discs. European Spine Journal, 2012, 21, 154-159.	1.0	48
79	The cartilage matrix molecule components produced by human foetal cartilage rudiment cells within scaffolds and the role of exogenous growth factors. Biomaterials, 2012, 33, 4078-4088.	5.7	15
80	Zonal differences in meniscus matrix turnover and cytokine response. Osteoarthritis and Cartilage, 2012, 20, 49-59.	0.6	57
81	Proteoglycan degradation by the ADAMTS family of proteinases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1616-1629.	1.8	148
82	Podoplanin is expressed by a sub-population of human foetal rib and knee joint rudiment chondrocytes. Tissue and Cell, 2011, 43, 39-44.	1.0	13
83	Comparative Immunolocalization of the Elastin Fiberâ€“Associated Proteins Fibrillin-1, LTBP-2, and MAGP-1 With Components of the Collagenous and Proteoglycan Matrix of the Fetal Human Intervertebral Disc. Spine, 2011, 36, E1365-E1372.	1.0	33
84	Colocalization in vivo and association in vitro of perlecan and elastin. Histochemistry and Cell Biology, 2011, 136, 437-454.	0.8	40
85	Heparan sulfate proteoglycans in healthy and diseased systems. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2011, 3, 739-751.	6.6	26
86	A Detailed Microscopic Examination of Alterations in Normal Anular Structure Induced by Mechanical Destabilization in an Ovine Model of Disc Degeneration. Spine, 2010, 35, 1965-1973.	1.0	20
87	Comparative immunolocalisation of perlecan with collagen II and aggrecan in human foetal, newborn and adult ovine joint tissues demonstrates perlecan as an early developmental chondrogenic marker. Histochemistry and Cell Biology, 2010, 134, 251-263.	0.8	51
88	Immunolocalization of lymphatic vessels in human fetal knee joint tissues. Connective Tissue Research, 2010, 51, 289-305.	1.1	5
89	Heparan Sulfate-Dependent Signaling of Fibroblast Growth Factor 18 by Chondrocyte-Derived Perlecan. Biochemistry, 2010, 49, 5524-5532.	1.2	92
90	040 INJECTION OF ALLOGENEIC IMMUNOSELECTED STRO-3+ MESENCHYMAL PRECURSOR STEM CELLS INTO LUMBAR INTERVERTEBRAL DISCS ATTENUATES DEGENERATION AND PROMOTES THE RESTORATION OF THE DISC EXTRACELLULAR MATRIX. AN EXPERIMENTAL STUDY IN AN OVINE MODEL OF DISC DEGENERATION. Osteoarthritis and Cartilage, 2009, 17, S30.	0.6	1

#	Article	IF	Citations
91	Topographical variation in the distributions of versican, aggrecan and perlecan in the foetal human spine reflects their diverse functional roles in spinal development. Histochemistry and Cell Biology, 2009, 132, 491-503.	0.8	38
92	Calcification in the ovine intervertebral disc: a model of hydroxyapatite deposition disease. European Spine Journal, 2009, 18, 479-489.	1.0	39
93	Are animal models useful for studying human disc disorders/degeneration?. European Spine Journal, 2008, 17, 2-19.	1.0	611
94	Aggrecan, versican and type VI collagen are components of annular translamellar crossbridges in the intervertebral disc. European Spine Journal, 2008, 17, 314-324.	1.0	95
95	Recent advances in annular pathobiology provide insights into rim-lesion mediated intervertebral disc degeneration and potential new approaches to annular repair strategies. European Spine Journal, 2008, 17, 1131-1148.	1.0	67
96	Tissue engineering of cartilages using biomatrices. Journal of Chemical Technology and Biotechnology, 2008, 83, 444-463.	1.6	21
97	Modulation of aggrecan and ADAMTS expression in ovine tendinopathy induced by altered strain. Arthritis and Rheumatism, 2008, 58, 1055-1066.	6.7	67
98	Intervertebral disc is an alternate tissue source of circulating Câ€telopeptide of type II collagen after menopause or ovariectomy: Comment on the article by Sondergaard et al. Arthritis and Rheumatism, 2008, 58, 1560-1560.	6.7	0
99	Perlecan, the â€œjack of all tradesâ€•proteoglycan of cartilaginous weightâ€bearing connective tissues. BioEssays, 2008, 30, 457-469.	1.2	69
100	Fragmentation of decorin, biglycan, lumican and keratocan is elevated in degenerate human meniscus, knee and hip articular cartilages compared with age-matched macroscopically normal and control tissues. Arthritis Research and Therapy, 2008, 10, R79.	1.6	113
101	The use of Histochoiceâ„¢Â® for histological examination of articular and growth plate cartilages, intervertebral disc and meniscus. Biotechnic and Histochemistry, 2008, 83, 47-53.	0.7	21
102	Diverse Cell Signaling Events Modulated by Perlecan. Biochemistry, 2008, 47, 11174-11183.	1.2	229
103	Dynamic Biomechanics Correlate with Histopathology in Human Tibial Cartilage. Clinical Orthopaedics and Related Research, 2007, 462, 212-220.	0.7	19
104	Biglycan and fibromodulin fragmentation correlates with temporal and spatial annular remodelling in experimentally injured ovine intervertebral discs. European Spine Journal, 2007, 16, 2193-2205.	1.0	64
105	Proteoglycan 4 downregulation in a sheep meniscectomy model of early osteoarthritis. Arthritis Research and Therapy, 2006, 8, R41.	1.6	140
106	The Structure, Location, and Function of Perlecan, a Prominent Pericellular Proteoglycan of Fetal, Postnatal, and Mature Hyaline Cartilages. Journal of Biological Chemistry, 2006, 281, 36905-36914.	1.6	81
107	Comparative spatial and temporal localisation of perlecan, aggrecan and type I, II and IV collagen in the ovine meniscus: an ageing study. Histochemistry and Cell Biology, 2005, 124, 225-235.	0.8	120
108	Perlecan displays variable spatial and temporal immunolocalisation patterns in the articular and growth plate cartilages of the ovine stifle joint. Histochemistry and Cell Biology, 2005, 123, 561-571.	0.8	38

#	Article	IF	Citations
109	Perlecan from human epithelial cells is a hybrid heparan/chondroitin/keratan sulfate proteoglycan. FEBS Letters, 2005, 579, 5019-5023.	1.3	50
110	Regional assessment of articular cartilage gene expression and small proteoglycan metabolism in an animal model of osteoarthritis. Arthritis Research and Therapy, 2005, 7, R852.	1.6	77
111	Histochemical Visualization of the Cartilage Hyaladherins Using a Biotinylated Hyaluronan Oligosaccharide Bioaffinity Probe. , 2004, 101, 065-078.		0
112	Perlecan Immunolocalizes to Perichondrial Vessels and Canals in Human Fetal Cartilaginous Primordia in Early Vascular and Matrix Remodeling Events Associated with Diarthrodial Joint Development. Journal of Histochemistry and Cytochemistry, 2004, 52, 1405-1413.	1.3	28
113	Histological and Immunohistological Studies on Cartilage. , 2004, 101, 039-064.		13
114	Assessment of the cellular heterogeneity of the ovine intervertebral disc: comparison with synovial fibroblasts and articular chondrocytes. European Spine Journal, 2003, 12, 57-65.	1.0	29
115	Induction of matrix metalloproteinase-2 and -3 activity in ovine nucleus pulposus cells grown in three-dimensional agarose gel culture by interleukin-1Î²: a potential pathway of disc degeneration. European Spine Journal, 2003, 12, 66-75.	1.0	78
116	Perlecan, the Multidomain Heparan Sulfate Proteoglycan of Basement Membranes, Is also a Prominent Component of the Cartilaginous Primordia in the Developing Human Fetal Spine. Journal of Histochemistry and Cytochemistry, 2003, 51, 1331-1341.	1.3	38
117	Not All Perlecans Are Created Equal. Journal of Biological Chemistry, 2002, 277, 14657-14665.	1.6	139
118	Increased Nerve and Blood Vessel Ingrowth Associated With Proteoglycan Depletion in an Ovine Anular Lesion Model of Experimental Disc Degeneration. Spine, 2002, 27, 1278-1285.	1.0	159
119	Synthesis of a Kunitz-Type Serine Proteinase Inhibitory Protein That Shares Homology with Bovine Pancreatic Trypsin Inhibitor by Ovine Intervertebral Disc Cells in Serum-Free Alginate Bead Culture. Journal of Spinal Disorders and Techniques, 2002, 15, 164-171.	1.8	1
120	Spatial and Temporal Localization of Transforming Growth Factor-Î², Fibroblast Growth Factor-2, and Osteonectin, and Identification of Cells Expressing Î±-Smooth Muscle Actin in the Injured Anulus Fibrosus. Spine, 2002, 27, 1756-1764.	1.0	49
121	Visualisation of hyaluronan and hyaluronan-binding proteins within ovine vertebral cartilages using biotinylated aggrecan G1-link complex and biotinylated hyaluronan oligosaccharides. Histochemistry and Cell Biology, 2002, 117, 327-333.	0.8	12
122	Differential expression of proteoglycan epitopes by ovine intervertebral disc cells in calcium alginate microspheres. International Journal of Experimental Pathology, 2002, 79, A38-A39.	0.6	0
123	Perlecan, the multidomain HS-proteoglycan of basement membranes, is a prominent pericellular component of ovine hypertrophic vertebral growth plate and cartilaginous endplate chondrocytes. Histochemistry and Cell Biology, 2002, 118, 269-280.	0.8	29
124	A comparative analysis of the differential spatial and temporal distributions of the large (aggrecan,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Journal of Anatomy, 2001, 198, 3-15.	0.9	139
125	REGULATION OF GELATINASE-A (MMP-2) PRODUCTION BY OVINE INTERVERTEBRAL DISC NUCLEUS PULPOSUS CELLS GROWN IN ALGINATE BEAD CULTURE BY TRANSFORMING GROWTH FACTOR-Î²1AND INSULIN LIKE GROWTH FACTOR-I. Cell Biology International, 2001, 25, 679-689.	1.4	58
126	Affinity and Western blotting reveal homologies between ovine intervertebral disc serine proteinase inhibitory proteins and bovine pancreatic trypsin inhibitor. Proteomics, 2001, 1, 1529.	1.3	5

#	Article	IF	Citations
127	Electrophoretic, biosensor, and bioactivity analyses of perlecans of different cellular origins. Proteomics, 2001, 1, 1534.	1.3	41
128	Differential Expression of Proteoglycan Epitopes and Growth Characteristics of Intervertebral Disc Cells Grown in Alginate Bead Culture. Cells Tissues Organs, 2001, 168, 137-146.	1.3	39
129	Cartilage and Smooth Muscle Cell Proteoglycans Detected by Affinity Blotting Using Biotinylated Hyaluronan. , 2001, 171, 053-066.		4
130	Spinal Biomechanics and Aging Are Major Determinants of the Proteoglycan Metabolism of Intervertebral Disc Cells. Spine, 2000, 25, 3014-3020.	1.0	41
131	Differential expression of proteoglycan epitopes by ovine intervertebral disc cells. Journal of Anatomy, 2000, 197, 189-198.	0.9	31
132	Immunolocalisation of BPTI-like serine proteinase inhibitory proteins in mast cells, chondrocytes and intervertebral disc fibrochondrocytes of ovine and bovine connective tissues. An immunohistochemical and biochemical study. Histochemistry and Cell Biology, 2000, 114, 137-146.	0.8	6
133	Human perlecan immunopurified from different endothelial cell sources has different adhesive properties for vascular cells. Matrix Biology, 1999, 18, 163-178.	1.5	127
134	Detection of Aggregatable Proteoglycan Populations by Affinity Blotting Using Biotinylated Hyaluronan. Analytical Biochemistry, 1998, 256, 149-157.	1.1	23
135	Pathogenesis of abdominal aortic aneurysms: Possible role of differential production of proteoglycans by smooth muscle cells. Journal of Vascular Surgery, 1998, 28, 676-686.	0.6	29
136	Topographical Variation in the Catabolism of Aggrecan in an Ovine Annular Lesion Model of Experimental Disc Degeneration. Journal of Spinal Disorders, 1997, 10, 55???67.	1.1	26
137	Elevated synthesis of biglycan and decorin in an ovine annular lesion model of experimental disc degeneration. European Spine Journal, 1997, 6, 376-384.	1.0	36
138	The serine proteinase inhibitory proteins of the chondrodystrophoid (beagle) and non-chondrodystrophoid (greyhound) canine intervertebral disc. Electrophoresis, 1997, 18, 1059-1063.	1.3	11
139	Topographical variation in the catabolism of aggrecan in an ovine annular lesion model of experimental disc degeneration. Journal of Spinal Disorders, 1997, 10, 55-67.	1.1	11
140	Increased synthesis of matrix metalloproteinases by aortic smooth muscle cells is implicated in the etiopathogenesis of abdominal aortic aneurysms. Journal of Vascular Surgery, 1996, 24, 82-92.	0.6	120
141	Variation in Intervertebral Disc Serine Proteinase Inhibitory Proteins with Ageing in a Chondrodystrophoid (Beagle) and a Non-Chondrodystrophoid (Greyhound) Canine Breed. Gerontology, 1996, 42, 322-329.	1.4	14
142	Intervertebral Disc Reconstitution After Chemonucleolysis With Chymopapain is Dependent on Dosage. Spine, 1996, 21, 9-17.	1.0	31
143	SMOOTH MUSCLE CELL MIGRATION AND PROLIFERATION IS ENHANCED IN ABDOMINAL AORTIC ANEURYSMS. ANZ Journal of Surgery, 1996, 66, 305-308.	0.3	14
144	Biotinylated hyaluronan: A versatile and highly sensitive probe capable of detecting nanogram levels of hyaluronan binding proteins (hyaladherins) on electroblots by a novel affinity detection procedure. Electrophoresis, 1996, 17, 205-212.	1.3	27

#	Article	IF	Citations
145	Biotinylated trypsin and its application as a sensitive, versatile probe for the detection and characterisation of an ovine chondrocyte serine proteinase inhibitor using Western blotting. Electrophoresis, 1996, 17, 213-218.	1.3	9
146	Preparation and Use of Biotinylated Probes for the Detection and Characterisation of Serine Proteinase and Serine Proteinase Inhibitory Proteins. , 1996, , 143-165.		0
147	Purification and characterisation of 6 and 58 kDa forms of the endogenous serine proteinase inhibitory proteins of ovine articular cartilage. Biological Chemistry, 1996, 377, 837-45.	1.2	4
148	Biotin-Labeled Potato Chymotrypsin Inhibitor-1: A Useful Probe for the Detection and Quantitation of Chymotrypsin-like Serine Proteinases on Western Blots and Its Application in the Detection of a Serine Proteinase Synthesized by Articular Chondrocytes. Analytical Biochemistry, 1995, 227, 129-134.	1.1	9
149	Evaluation of digestive proteinases from the Antarctic krill Euphasia superba as potential chemonucleolytic agents. Archives of Orthopaedic and Trauma Surgery, 1995, 114, 145-152.	1.3	17
150	Biotinylated aprotinin: a versatile probe for the detection of serine proteinases on western blots. International Journal of Biochemistry and Cell Biology, 1995, 27, 891-904.	1.2	5
151	A Comparative Study of the Composition of Discs and of Proteoglycans from Different Spinal Levels of Sheep. Veterinary and Comparative Orthopaedics and Traumatology, 1994, 07, 70-76.	0.2	4
152	The Preparation and Use of Biotinylated Trypsin in Western Blotting for the Detection of Trypsin Inhibitory Proteins. Analytical Biochemistry, 1994, 222, 34-43.	1.1	16
153	Proteoglycan heterogeneity in the normal adult ovine intervertebral disc. Matrix Biology, 1994, 14, 61-75.	1.5	16
154	Determination of the average molecular size of glycosaminoglycans by fast protein liquid chromatography. Journal of Chromatography A, 1993, 637, 91-95.	1.8	14
155	Secretory leucocyte proteinase inhibitor is produced by human articular cartilage chondrocytes and intervertebral disc fibrochondrocytes. FEBS Journal, 1993, 218, 951-957.	0.2	21
156	Induction of alloantigen-specific hyporesponsiveness in human T lymphocytes by blocking interaction of CD28 with its natural ligand B7/BB1.. Journal of Experimental Medicine, 1993, 177, 165-173.	4.2	463
157	A Comparative Study of the Low-Molecular Mass Serine. Proteinase Inhibitors of Human Connective Tissues. Biological Chemistry Hoppe-Seyler, 1992, 373, 111-118.	1.4	9
158	A Comparison of the High Buoyant Density Proteoglycans Isolated from the Intervertebral Discs of Chondrodystrophoid and Non-Chondrodystrophoid Dogs. Matrix Biology, 1992, 12, 148-155.	1.8	10
159	The serine proteinase inhibitory proteins of the human intervertebral disc: Their isolation, characterization and variation with ageing and degeneration. Matrix Biology, 1992, 12, 456-470.	1.8	19
160	Development of an avidin-biotin competitive inhibition assay and validation of its use for the quantitation of human intervertebral disc serine proteinase inhibitory proteins. Analytical Biochemistry, 1992, 204, 372-382.	1.1	8
161	A longitudinal study of the matrix changes induced in the intervertebral disc by surgical damage to the annulus fibrosus. Journal of Orthopaedic Research, 1992, 10, 665-676.	1.2	113
162	Chemonucleolysis. Medical Journal of Australia, 1991, 154, 496-496.	0.8	0

#	Article	IF	Citations
163	The influence of scoliosis and ageing on proteoglycan heterogeneity in the human intervertebral disc. Journal of Orthopaedic Research, 1991, 9, 68-77.	1.2	32
164	Chemonucleolysis: a further look at a contentious issue. Medical Journal of Australia, 1990, 153, 575-578.	0.8	9
165	Isolation and characterisation of a neutral proteinase from the canine intervertebral disc. Biochimica Et Biophysica Acta - General Subjects, 1989, 990, 254-262.	1.1	13
166	Lysozyme, a Major Low-Molecular-Weight Cationic Protein of the Intervertebral Disc, Which Increases with Ageing and Degeneration. Gerontology, 1989, 35, 173-180.	1.4	20
167	The quantitative discrimination of corneal type I, but not skeletal type II, keratan sulfate in glycosaminoglycan mixtures by using a combination of dimethylmethylene blue and endo-Î²-d-galactosidase digestion. Analytical Biochemistry, 1988, 170, 293-300.	1.1	39
168	Cysteine proteinase inhibitors of the canine intervertebral disc. BBA - Proteins and Proteomics, 1988, 952, 201-207.	2.1	3
169	Neutral proteinases of the human intervertebral disc. Biochimica Et Biophysica Acta - General Subjects, 1987, 923, 483-495.	1.1	37
170	Low molecular weight serine proteinase inhibitors of the human intervertebral disc. Biochemistry International, 1987, 15, 117-25.	0.2	2