Christopher B Little

List of Publications by Citations

164 papers	8,893 citations	49 h-index	91 g-index
186 ext. papers	10,100 ext. citations	4.3 avg, IF	6.07 L-index

#	Paper	IF	Citations
164	The OARSI histopathology initiative - recommendations for histological assessments of osteoarthritis in the mouse. *Osteoarthritis and Cartilage*, **2010**, 18 Suppl 3, S17-23	6.2	816
163	ADAMTS5 is the major aggrecanase in mouse cartilage in vivo and in vitro. *Nature*, **2005**, 434, 648-52	50.4	736
162	Matrix metalloproteinase 13-deficient mice are resistant to osteoarthritic cartilage erosion but not chondrocyte hypertrophy or osteophyte development. *Arthritis and Rheumatism*, **2009**, 60, 3723-33		556
161	Are animal models useful for studying human disc disorders/degeneration?. *European Spine Journal*, **2008**, 17, 2-19	2.7	502
160	Mechanisms involved in cartilage proteoglycan catabolism. *Matrix Biology*, **2000**, 19, 333-44	11.4	238
159	n-3 fatty acids specifically modulate catabolic factors involved in articular cartilage degradation. *Journal of Biological Chemistry*, **2000**, 275, 721-4	5.4	197
158	Pathologic indicators of degradation and inflammation in human osteoarthritic cartilage are abrogated by exposure to n-3 fatty acids. *Arthritis and Rheumatism*, **2002**, 46, 1544-53		192
157	Increased chondrocyte sclerostin may protect against cartilage degradation in osteoarthritis. *Osteoarthritis and Cartilage*, **2011**, 19, 874-85	6.2	150
156	Blocking aggrecanase cleavage in the aggrecan interglobular domain abrogates cartilage erosion and promotes cartilage repair. *Journal of Clinical Investigation*, **2007**, 117, 1627-36	15.9	148
155	Post-traumatic osteoarthritis: from mouse models to clinical trials. *Nature Reviews Rheumatology*, **2013**, 9, 485-97	8.1	140
154	The OARSI histopathology initiative - recommendations for histological assessments of osteoarthritis in sheep and goats. *Osteoarthritis and Cartilage*, **2010**, 18 Suppl 3, S80-92	6.2	137
153	Histopathology atlas of animal model systems - overview of guiding principles. *Osteoarthritis and Cartilage*, **2010**, 18 Suppl 3, S2-6	6.2	129
152	Proteoglycan 4 downregulation in a sheep meniscectomy model of early osteoarthritis. *Arthritis Research and Therapy*, **2006**, 8, R41	5.7	119
151	Proteoglycan degradation by the ADAMTS family of proteinases. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2011**, 1812, 1616-29	6.9	118
150	What constitutes an "animal model of osteoarthritis"--the need for consensus?. *Osteoarthritis and Cartilage*, **2012**, 20, 261-7	6.2	113
149	Mutations in TRPV4 cause an inherited arthropathy of hands and feet. *Nature Genetics*, **2011**, 43, 1142-6	36.3	112
148	Matrix metalloproteinases are involved in C-terminal and interglobular domain processing of cartilage aggrecan in late stage cartilage degradation. *Matrix Biology*, **2002**, 21, 271-88	11.4	107

147	Expression and activity of articular cartilage hyaluronidases. *Biochemical and Biophysical Research Communications*, **1998**, 251, 824-9	3.4	102
146	Effects of culture conditions and exposure to catabolic stimulators (IL-1 and retinoic acid) on the expression of matrix metalloproteinases (MMPs) and disintegrin metalloproteinases (ADAMs) by articular cartilage chondrocytes. *Matrix Biology*, **1999**, 18, 225-37	11.4	102
145	A commentary on modelling osteoarthritis pain in small animals. *Osteoarthritis and Cartilage*, **2013**, 21, 1316-26	6.2	96
144	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	5.7	96
143	Evidence for articular cartilage regeneration in MRL/MpJ mice. *Osteoarthritis and Cartilage*, **2008**, 16, 1319-26	6.2	94
142	IL-6 and its soluble receptor augment aggrecanase-mediated proteoglycan catabolism in articular cartilage. *Matrix Biology*, **2000**, 19, 549-53	11.4	93
141	ADAMTS-1-knockout mice do not exhibit abnormalities in aggrecan turnover in vitro or in vivo. *Arthritis and Rheumatism*, **2005**, 52, 1461-72		92
140	On the predictive utility of animal models of osteoarthritis. *Arthritis Research and Therapy*, **2015**, 17, 225	5.7	89
139	The circadian clock in murine chondrocytes regulates genes controlling key aspects of cartilage homeostasis. *Arthritis and Rheumatism*, **2013**, 65, 2334-45		88
138	Aggrecan, versican and type VI collagen are components of annular translamellar crossbridges in the intervertebral disc. *European Spine Journal*, **2008**, 17, 314-24	2.7	82
137	Animal Models of Osteoarthritis. *Current Rheumatology Reviews*, **2008**, 4, 175-182	1.6	79
136	Drug insight: aggrecanases as therapeutic targets for osteoarthritis. *Nature Clinical Practice Rheumatology*, **2008**, 4, 420-7		76
135	Variation in proteoglycan metabolism by articular chondrocytes in different joint regions is determined by post-natal mechanical loading. *Osteoarthritis and Cartilage*, **1997**, 5, 49-62	6.2	75
134	Significant synovial pathology in a meniscectomy model of osteoarthritis: modification by intra-articular hyaluronan therapy. *Rheumatology*, **2008**, 47, 1172-8	3.9	73
133	Multifidus Muscle Changes After Back Injury Are Characterized by Structural Remodeling of Muscle, Adipose and Connective Tissue, but Not Muscle Atrophy: Molecular and Morphological Evidence. *Spine*, **2015**, 40, 1057-71	3.3	71
132	Topographic variation in biglycan and decorin synthesis by articular cartilage in the early stages of osteoarthritis: an experimental study in sheep. *Journal of Orthopaedic Research*, **1996**, 14, 433-44	3.8	70
131	Expression of ADAMTS homologues in articular cartilage. *Biochemical and Biophysical Research Communications*, **1999**, 260, 318-22	3.4	69
130	Aggrecanase versus matrix metalloproteinases in the catabolism of the interglobular domain of aggrecan in vitro. *Biochemical Journal*, **1999**, 344, 61	3.8	69

129	Regional assessment of articular cartilage gene expression and small proteoglycan metabolism in an animal model of osteoarthritis. *Arthritis Research and Therapy*, **2005**, 7, R852-61	5.7	67
128	Depletion of protease-activated receptor 2 but not protease-activated receptor 1 may confer protection against osteoarthritis in mice through extracartilaginous mechanisms. *Arthritis and Rheumatology*, **2014**, 66, 3337-48	9.5	65
127	Modulation of aggrecan and ADAMTS expression in ovine tendinopathy induced by altered strain. *Arthritis and Rheumatism*, **2008**, 58, 1055-66		63
126	S100A8 and S100A9 in experimental osteoarthritis. *Arthritis Research and Therapy*, **2010**, 12, R16	5.7	59
125	Perlecan, the "jack of all trades" proteoglycan of cartilaginous weight-bearing connective tissues. *BioEssays*, **2008**, 30, 457-69	4.1	58
124	Investigating ADAMTS-mediated aggrecanolysis in mouse cartilage. *Nature Protocols*, **2011**, 6, 388-404	18.8	57
123	Is cartilage matrix breakdown an appropriate therapeutic target in osteoarthritis--insights from studies of aggrecan and collagen proteolysis?. *Current Drug Targets*, **2010**, 11, 561-75	3	56
122	Differential expression of aggrecanase and matrix metalloproteinase activity in chondrocytes isolated from bovine and porcine articular cartilage. *Journal of Biological Chemistry*, **1998**, 273, 30576-82	5.4	56
121	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, 1131-48	2.7	55
120	The role of fat and inflammation in the pathogenesis and management of osteoarthritis. *Rheumatology*, **2018**, 57, iv10-iv21	3.9	54
119	Cyclosporin A inhibition of aggrecanase-mediated proteoglycan catabolism in articular cartilage. *Arthritis and Rheumatism*, **2002**, 46, 124-9		54
118	Activation of matrix metalloproteinases 2, 9, and 13 by activated protein C in human osteoarthritic cartilage chondrocytes. *Arthritis and Rheumatology*, **2014**, 66, 1525-36	9.5	53
117	Biglycan and fibromodulin fragmentation correlates with temporal and spatial annular remodelling in experimentally injured ovine intervertebral discs. *European Spine Journal*, **2007**, 16, 2193-205	2.7	53
116	Reduction of arthritis severity in protease-activated receptor-deficient mice. *Arthritis and Rheumatism*, **2005**, 52, 1325-32		50
115	Proteomic characterization of mouse cartilage degradation in vitro. *Arthritis and Rheumatism*, **2008**, 58, 3120-31		49
114	Detection of aggrecanase- and MMP-generated catabolic neoepitopes in the rat iodoacetate model of cartilage degeneration. *Osteoarthritis and Cartilage*, **2004**, 12, 720-8	6.2	48
113	Zonal differences in meniscus matrix turnover and cytokine response. *Osteoarthritis and Cartilage*, **2012**, 20, 49-59	6.2	47
112	Tetanus in the horse: a review of 20 cases (1970 to 1990). *Journal of Veterinary Internal Medicine*, **1994**, 8, 128-32	3.1	47

111	Transcriptomics of wild-type mice and mice lacking ADAMTS-5 activity identifies genes involved in osteoarthritis initiation and cartilage destruction. *Arthritis and Rheumatism*, **2013**, 65, 1547-60		46
110	Pathogenesis of post-traumatic OA with a view to intervention. *Best Practice and Research in Clinical Rheumatology*, **2014**, 28, 17-30	5.3	45
109	Cartilage intermediate layer protein 2 (CILP-2) is expressed in articular and meniscal cartilage and down-regulated in experimental osteoarthritis. *Journal of Biological Chemistry*, **2011**, 286, 37758-67	5.4	44
108	Mechanical destabilization induced by controlled annular incision of the intervertebral disc dysregulates metalloproteinase expression and induces disc degeneration. *Spine*, **2012**, 37, 18-25	3.3	42
107	Matrix metalloproteinases are not essential for aggrecan turnover during normal skeletal growth and development. *Molecular and Cellular Biology*, **2005**, 25, 3388-99	4.8	42
106	Effects of n-3 fatty acids on cartilage metabolism. *Proceedings of the Nutrition Society*, **2002**, 61, 381-9	2.9	42
105	Spatial and temporal localization of transforming growth factor-beta, fibroblast growth factor-2, and osteonectin, and identification of cells expressing alpha-smooth muscle actin in the injured anulus fibrosus: implications for extracellular matrix repair. *Spine*, **2002**, 27, 1756-64	3.3	41
104	Activation of cartilage matrix metalloproteinases by activated protein C. *Arthritis and Rheumatism*, **2009**, 60, 780-91		39
103	Comparison of gait and pathology outcomes of three meniscal procedures for induction of knee osteoarthritis in sheep. *Osteoarthritis and Cartilage*, **2013**, 21, 226-36	6.2	37
102	Can proinflammatory cytokine gene expression explain multifidus muscle fiber changes after an intervertebral disc lesion?. *Spine*, **2014**, 39, 1010-7	3.3	37
101	Low molecular weight isoforms of the aggrecanases are responsible for the cytokine-induced proteolysis of aggrecan in a porcine chondrocyte culture system. *Arthritis and Rheumatism*, **2007**, 56, 3010-9		37
100	Stem Cell-Derived Extracellular Vesicles for Treating Joint Injury and Osteoarthritis. *Nanomaterials*, **2019**, 9,	5.4	36
99	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, 461-75	2.4	35
98	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, 868-79	9.5	35
97	Catabolism of aggrecan, decorin and biglycan in tendon. *Biochemical Journal*, **2000**, 350, 181	3.8	34
96	Using mouse models to investigate the pathophysiology, treatment, and prevention of post-traumatic osteoarthritis. *Journal of Orthopaedic Research*, **2017**, 35, 424-439	3.8	33
95	Considerations for the design and execution of protocols for animal research and treatment to improve reproducibility and standardization: "DEPART well-prepared and ARRIVE safely". *Osteoarthritis and Cartilage*, **2017**, 25, 354-363	6.2	33
94	Cytokine induced metalloproteinase expression and activity does not correlate with focal susceptibility of articular cartilage to degeneration. *Osteoarthritis and Cartilage*, **2005**, 13, 162-70	6.2	33

93	Calcification in the ovine intervertebral disc: a model of hydroxyapatite deposition disease. *European Spine Journal*, **2009**, 18, 479-89	2.7	31
92	The effect of strenuous versus moderate exercise on the metabolism of proteoglycans in articular cartilage from different weight-bearing regions of the equine third carpal bone. *Osteoarthritis and Cartilage*, **1997**, 5, 161-72	6.2	31
91	Macrophage polarization contributes to local inflammation and structural change in the multifidus muscle after intervertebral disc injury. *European Spine Journal*, **2018**, 27, 1744-1756	2.7	30
90	1H NMR spectroscopy of serum reveals unique metabolic fingerprints associated with subtypes of surgically induced osteoarthritis in sheep. *Journal of Proteome Research*, **2012**, 11, 4261-8	5.6	30
89	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	2.4	30
88	Neoepitopes as biomarkers of cartilage catabolism. *Inflammation Research*, **2003**, 52, 277-82	7.2	28
87	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	2.7	28
86	Effect of Manuka honey gel on the transforming growth factor 1 and 3 concentrations, bacterial counts and histomorphology of contaminated full-thickness skin wounds in equine distal limbs. *Australian Veterinary Journal*, **2016**, 94, 27-34	1.2	27
85	The Development of Disease-Modifying Therapies for Osteoarthritis (DMOADs): The Evidence to Date. *Drug Design, Development and Therapy*, **2021**, 15, 2921-2945	4.4	27
84	A hexadecylamide derivative of hyaluronan (HYMOVIS) has superior beneficial effects on human osteoarthritic chondrocytes and synoviocytes than unmodified hyaluronan. *Journal of Inflammation* , **2013**, 10, 26	6.7	26
83	Utility of circulating serum miRNAs as biomarkers of early cartilage degeneration in animal models of post-traumatic osteoarthritis and inflammatory arthritis. *Osteoarthritis and Cartilage*, **2017**, 25, 426-434	6.2	26
82	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,	6.3	25
81	Anti-IgD antibody attenuates collagen-induced arthritis by selectively depleting mature B-cells and promoting immune tolerance. *Journal of Autoimmunity*, **2010**, 35, 86-97	15.5	24
80	Molecular cloning and sequence analysis of the aggrecan interglobular domain from porcine, equine, bovine and ovine cartilage: comparison of proteinase-susceptible regions and sites of keratan sulfate substitution. *Matrix Biology*, **1998**, 16, 507-11	11.4	24
79	The role of proteoglycans in the nanoindentation creep behavior of human dentin. *Journal of the Mechanical Behavior of Biomedical Materials*, **2015**, 55, 264-270	4.1	23
78	Hyaluronan oligosaccharides stimulate matrix metalloproteinase and anabolic gene expression in vitro by intervertebral disc cells and annular repair in vivo. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, e216-e226	4.4	22
77	Detection of aggregatable proteoglycan populations by affinity blotting using biotinylated hyaluronan. *Analytical Biochemistry*, **1998**, 256, 149-57	3.1	21
76	Changes in gait after bilateral meniscectomy in sheep: effect of two hyaluronan preparations. *Journal of Orthopaedic Science*, **2008**, 13, 514-23	1.6	21

75	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	4.4	20
74	Modulation of endochondral ossification by MEK inhibitors PD0325901 and AZD6244 (Selumetinib). *Bone*, **2014**, 59, 151-61	4.7	19
73	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, 717-25	3	19
72	Dynamic biomechanics correlate with histopathology in human tibial cartilage: a preliminary study. *Clinical Orthopaedics and Related Research*, **2007**, 462, 212-20	2.2	19
71	Caecal overload and rupture in the horse. *Australian Veterinary Journal*, **1987**, 64, 85-6	1.2	19
70	A retrospective study of head fractures in 21 horses. *Australian Veterinary Journal*, **1985**, 62, 89-91	1.2	19
69	The use of Histochoice for histological examination of articular and growth plate cartilages, intervertebral disc and meniscus. *Biotechnic and Histochemistry*, **2008**, 83, 47-53	1.8	18
68	Neoepitope antibodies against MMP-cleaved and aggrecanase-cleaved aggrecan. *Methods in Molecular Biology*, **2010**, 622, 312-47	1.4	18
67	The CS Sulfation Motifs 4C3, 7D4, 3B3[-]; 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, 836-47	4.4	18
66	Chondroitin sulphate glycosaminoglycans contribute to widespread inferior biomechanics in tendon after focal injury. *Journal of Biomechanics*, **2016**, 49, 2694-2701	2.9	17
65	Comprehensive Expression Analysis of microRNAs and mRNAs in Synovial Tissue from a Mouse Model of Early Post-Traumatic Osteoarthritis. *Scientific Reports*, **2017**, 7, 17701	4.9	17
64	A detailed microscopic examination of alterations in normal anular structure induced by mechanical destabilization in an ovine model of disc degeneration. *Spine*, **2010**, 35, 1965-73	3.3	17
63	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	3.3	17
62	The biology of meniscal pathology in osteoarthritis and its contribution to joint disease: beyond simple mechanics. *Connective Tissue Research*, **2017**, 58, 282-294	3.3	16
61	The relationship between synovial inflammation, structural pathology, and pain in post-traumatic osteoarthritis: differential effect of stem cell and hyaluronan treatment. *Arthritis Research and Therapy*, **2020**, 22, 29	5.7	16
60	Tumours of the paranasal sinuses in 16 horses. *Australian Veterinary Journal*, **1988**, 65, 86-8	1.2	16
59	Maintaining mRNA integrity during decalcification of mineralized tissues. *PLoS ONE*, **2013**, 8, e58154	3.7	16
58	Modulating chondrocyte hypertrophy in growth plate and osteoarthritic cartilage. *Journal of Musculoskeletal Neuronal Interactions*, **2008**, 8, 308-10	1.3	16

57	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,	6.3	15
56	Focal experimental injury leads to widespread gene expression and histologic changes in equine flexor tendons. *PLoS ONE*, **2015**, 10, e0122220	3.7	15
55	Treatment of experimentally induced osteoarthritis in horses using an intravenous combination of sodium pentosan polysulfate, N-acetyl glucosamine, and sodium hyaluronan. *Veterinary Surgery*, **2014**, 43, 612-22	1.7	15
54	Products resulting from cleavage of the interglobular domain of aggrecan in samples of synovial fluid collected from dogs with early- and late-stage osteoarthritis. *American Journal of Veterinary Research*, **2005**, 66, 1679-85	1.1	15
53	Cartilage MicroRNA Dysregulation During the Onset and Progression of Mouse Osteoarthritis Is Independent of Aggrecanolysis and Overlaps With Candidates From End-Stage Human Disease. *Arthritis and Rheumatology*, **2018**, 70, 383-395	9.5	15
52	Efficacy of administered mesenchymal stem cells in the initiation and co-ordination of repair processes by resident disc cells in an ovine (Ovis aries) large destabilizing lesion model of experimental disc degeneration. *JOR Spine*, **2018**, 1, e1037	3.7	14
51	Recombinant equine growth hormone administration: effects on synovial fluid biomarkers and cartilage metabolism in horses. *Equine Veterinary Journal*, **2003**, 35, 302-7	2.4	13
50	Identification of the skeletal progenitor cells forming osteophytes in osteoarthritis. *Annals of the Rheumatic Diseases*, **2020**, 79, 1625-1634	2.4	13
49	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, 1774-84	2.7	12
48	OATargets: a knowledge base of genes associated with osteoarthritis joint damage in animals. *Annals of the Rheumatic Diseases*, **2020**,	2.4	12
47	Joint loads resulting in ACL rupture: Effects of age, sex, and body mass on injury load and mode of failure in a mouse model. *Journal of Orthopaedic Research*, **2017**, 35, 1754-1763	3.8	11
46	Activated protein C mediates a healing phenotype in cultured tenocytes. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 749-57	5.6	11
45	Extracellular Vesicles from Mesenchymal Stromal Cells for the Treatment of Inflammation-Related Conditions. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	11
44	Immunolocalization and distribution of proteoglycans in carious dentine. *Australian Dental Journal*, **2016**, 61, 288-97	2.3	11
43	Stem cell-directed therapies for osteoarthritis: The promise and the practice. *Stem Cells*, **2020**, 38, 477-486	5.8	10
42	Spatiotemporal variations in gene expression, histology and biomechanics in an ovine model of tendinopathy. *PLoS ONE*, **2017**, 12, e0185282	3.7	9
41	Monocytes, Macrophages, and Their Potential Niches in Synovial Joints - Therapeutic Targets in Post-Traumatic Osteoarthritis?. *Frontiers in Immunology*, **2021**, 12, 763702	8.4	8
40	Endothelial protein C receptor-associated invasiveness of rheumatoid synovial fibroblasts is likely driven by group V secretory phospholipase A2. *Arthritis Research and Therapy*, **2014**, 16, R44	5.7	7

39	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	2.7	7
38	Cellular, matrix, and mechano-biological differences in load-bearing versus positional tendons throughout development and aging: a narrative review. *Connective Tissue Research*, **2018**, 59, 483-494	3.3	7
37	Intra-articular Treatment of Osteoarthritis with Diclofenac-Conjugated Polymer Reduces Inflammation and Pain.. *ACS Applied Bio Materials*, **2019**, 2, 2822-2832	4.1	6
36	Disruption of glucocorticoid signalling in osteoblasts attenuates age-related surgically induced osteoarthritis. *Osteoarthritis and Cartilage*, **2019**, 27, 1518-1525	6.2	6
35	Elevated hypertrophy, growth plate maturation, glycosaminoglycan deposition, and exostosis formation in the exon 3 null mouse intervertebral disc. *Biochemical Journal*, **2019**, 476, 225-243	3.8	6
34	Functionally distinct tendons have different biomechanical, biochemical and histological responses to in vitro unloading. *Journal of Biomechanics*, **2019**, 95, 109321	2.9	6
33	Bioengineered Temporomandibular Joint Disk Implants: Study Protocol for a Two-Phase Exploratory Randomized Preclinical Pilot Trial in 18 Black Merino Sheep (TEMPOJIMS). *JMIR Research Protocols*, **2017**, 6, e37	2	6
32	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	3.1	6
31	Interleukin-1 induces focal degradation of biglycan and tissue degeneration in an in-vitro ovine meniscal model. *Experimental and Molecular Pathology*, **2016**, 101, 214-220	4.4	6
30	Developing strategic priorities in osteoarthritis research: Proceedings and recommendations arising from the 2017 Australian Osteoarthritis Summit. *BMC Musculoskeletal Disorders*, **2019**, 20, 74	2.8	5
29	Differential patterns of pathology in and interaction between joint tissues in long-term osteoarthritis with different initiating causes: phenotype matters. *Osteoarthritis and Cartilage*, **2020**, 28, 953-965	6.2	5
28	Identification of TGF related genes regulated in murine osteoarthritis and chondrocyte hypertrophy by comparison of multiple microarray datasets. *Bone*, **2018**, 116, 67-77	4.7	5
27	Effects of tendon injury on uninjured regional tendons in the distal limb: An in-vivo study using an ovine tendinopathy model. *PLoS ONE*, **2019**, 14, e0215830	3.7	5
26	Assessment for varicella zoster virus in patients newly suspected of having giant cell arteritis. *Rheumatology*, **2020**, 59, 1992-1996	3.9	5
25	Prevention and treatment of intervertebral disc degeneration with bone marrow derived stem (stromal) cells an in vivo study in sheep. *Osteoarthritis and Cartilage*, **2014**, 22, S28-S29	6.2	4
24	Immunolocalization of lymphatic vessels in human fetal knee joint tissues. *Connective Tissue Research*, **2010**, 51, 289-305	3.3	4
23	Proteoglycan and Collagen Degradation in Osteoarthritis **2017**, 41-61		4
22	Preclinical randomized controlled trial of bilateral discectomy versus bilateral discopexy in Black Merino sheep temporomandibular joint: TEMPOJIMS - Phase 1- histologic, imaging and body weight results. *Journal of Cranio-Maxillo-Facial Surgery*, **2018**, 46, 688-696	3.6	3

21	Characterisation of pain-related behaviours in association with joint pathology in an 8-week antigen-induced arthritis model. *Osteoarthritis and Cartilage*, **2014**, 22, S36-S37	6.2	3
20	Long-term Effect of a Single Subcritical Knee Injury: Increasing the Risk of Anterior Cruciate Ligament Rupture and Osteoarthritis. *American Journal of Sports Medicine*, **2021**, 49, 391-403	6.8	3
19	Male-Female Differences in the Effects of Age on Performance Measures Recorded for 23 Hours in Mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, 2141-2146	6.4	3
18	Sex- and injury-based differences in knee biomechanics in mouse models of post-traumatic osteoarthritis. *Journal of Biomechanics*, **2021**, 114, 110152	2.9	3
17	The recent paper "Multimodal imaging demonstrates concomitant changes in bone and cartilage after destabilization of the medial meniscus and increased joint laxity". *Osteoarthritis and Cartilage*, **2011**, 19, 1076-7; author reply 1078	6.2	2
16	Fungal granuloma in a horse. *Australian Veterinary Journal*, **1984**, 61, 298-300	1.2	2
15	Blocking aggrecanase cleavage in the aggrecan interglobular domain abrogates cartilage erosion and promotes cartilage repair. *Journal of Clinical Investigation*, **2008**, 118, 3812-3812	15.9	2
14	Flow Cytometry Analysis of Immune Cell Subsets within the Murine Spleen, Bone Marrow, Lymph Nodes and Synovial Tissue in an Osteoarthritis Model. *Journal of Visualized Experiments*, **2020**,	1.6	2
13	OA foundations - experimental models of osteoarthritis. *Osteoarthritis and Cartilage*, **2021**,	6.2	2
12	Pathology-pain relationships in different osteoarthritis animal model phenotypes: it matters what you measure, when you measure, and how you got there. *Osteoarthritis and Cartilage*, **2021**, 29, 1448-1461	6.2	2
11	Efficacy and cost-effectiveness of Stem Cell injections for symptomatic relief and strUctural improvement in people with Tibiofemoral knee OsteoaRthritis: protocol for a randomised placebo-controlled trial (the SCUlpTOR trial). *BMJ Open*, **2021**, 11, e056382	3	1
10	Aggrecanases 1 and 2 **2004**, 740-746		1
9	Limited utility of novel serological biomarkers in patients newly suspected of having giant cell arteritis. *International Journal of Rheumatic Diseases*, **2021**, 24, 781-788	2.3	1
8	Osteoarthritis Pathophysiology: Therapeutic Target Discovery may Require a Multifaceted Approach.. *Clinics in Geriatric Medicine*, **2022**, 38, 193-219	3.8	1
7	Diurnal effects of polypharmacy with high drug burden index on physical activities over 23h differ with age and sex.. *Scientific Reports*, **2022**, 12, 2168	4.9	0
6	Effects of hyaluronans of different molecular weight on cartilage and synovial changes in an ovine model of osteoarthritis. *Immunology and Cell Biology*, **1996**, 74, a11-a11	5	
5	OS6-3 RELATIONSHIP BETWEEN BIOMECHANICS AND PATHOLOGY IN A MOUSE KNEE INJURY MODEL(OS6: Australian and New Zealand Society for Biomechanics (ANZSB)). *The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics*, **2015**, 2015.8, 99		
4	On the Horizon From the ORS. *Journal of the American Academy of Orthopaedic Surgeons, The*, **2010**, 18, 243-246	4.5	

List of Publications

3	Exploring translational gaps between basic scientists, clinical researchers, clinicians, and consumers: Proceedings and recommendations arising from the 2020 mine the gap online workshop. *Osteoarthritis and Cartilage Open*, **2021**, 3, 100163	1.5
2	Generation of a miR-26b stem-loop knockout human iPSC line, MCRIi019-A-1, using CRISPR/Cas9 editing. *Stem Cell Research*, **2020**, 50, 102118	1.6
1	Orthobiologics in Orthopaedic applications: A Report from the TMI Havemeyer Meeting on Orthobiologics. *Journal of Cartilage & Joint Preservation*, **2022**, 100055	