Christopher J Handley

List of Publications by Year
in descending order

51	2,239	186265	214800
papers	citations	28 h-index	47 g-index

51	51	51	1448
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanism of catabolism of aggrecan by articular cartilage. Archives of Biochemistry and Biophysics, 1992, 294, 115-122.	3.0	180
2	The effect of serum on biosynthesis of proteoglycans by bovine articular cartilage in culture. Archives of Biochemistry and Biophysics, 1983, 224, 206-223.	3.0	178
3	Inhibition of cartilage proteoglycan release by a specific inactivator of cathepsin b and an inhibitor of matrix metalloproteinases. evidence for two converging pathways of chondrocyte-mediated proteoglycan degradation. Arthritis and Rheumatism, 1993, 36, 1709-1717.	6.7	122
4	Changes in the composition of the extracellular matrix in patellar tendinopathy. Matrix Biology, 2009, 28, 230-236.	3.6	121
5	Expression and activity of ADAMTS-5 in synovium. FEBS Journal, 2001, 268, 1259-1268.	0.2	105
6	Turnover of proteoglycans in cultures of bovine articular cartilage. Archives of Biochemistry and Biophysics, 1984, 234, 275-289.	3.0	88
7	Components of the transforming growth factor-Â family and the pathogenesis of human Achilles tendon pathology--a genetic association study. Rheumatology, 2010, 49, 2090-2097.	1.9	85
8	Selective inhibition of ADAMTS-1, -4 and -5 by catechin gallate esters. FEBS Journal, 2003, 270, 2394-2403.	0.2	83
9	Characterisation of proteoglycans and their catabolic products in tendon and explant cultures of tendon. Matrix Biology, 2004, 23, 127-140.	3.6	80
10	The apoptosis pathway and the genetic predisposition to Achilles tendinopathy. Journal of Orthopaedic Research, 2012, 30, 1719-1724.	2.3	62
11	Change in proteoglycan metabolism is a characteristic of human patellar tendinopathy. Arthritis and Rheumatism, 2010, 62, 3028-3035.	6.7	61
12	[4] Assay of proteoglycan degradation. Methods in Enzymology, 1995, 248, 47-58.	1.0	60
13	Polymorphic variation within the ADAMTS2, ADAMTS14, ADAMTS5, ADAM12 and TIMP2 genes and the risk of Achilles tendon pathology: A genetic association study. Journal of Science and Medicine in Sport, 2013, 16, 493-498.	1.3	54
14	Effects of free and bound insulin-like growth factors on proteoglycan metabolism in articular cartilage explants. Journal of Orthopaedic Research, 1992, 10, 14-22.	2.3	53
15	The extracellular processing and catabolism of hyaluronan in cultured adult articular cartilage explants. Archives of Biochemistry and Biophysics, 1992, 298, 70-79.	3.0	52
16	Characterization of Aggrecan Retained and Lost from the Extracellular Matrix of Articular Cartilage. Journal of Biological Chemistry, 1998, 273, 17451-17458.	3.4	51
17	Proteoglycans and catabolic products of proteoglycans present in ligament. Biochemical Journal, 2005, 385, 381-388.	3.7	44
18	Investigation of variants within the COL27A1 and TNC genes and Achilles tendinopathy in two populations. Journal of Orthopaedic Research, 2013, 31, 632-637.	2.3	44

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19	Cathepsin D cleaves aggrecan at unique sites within the interglobular domain and chondroitin sulfate attachment regions that are also cleaved when cartilage is maintained at acid pH. Matrix Biology, 2001, 20, 543-553.	3.6	42
20	A pathway-based approach investigating the genes encoding interleukin-1Â, interleukin-6 and the interleukin-1 receptor antagonist provides new insight into the genetic susceptibility of Achilles tendinopathy. British Journal of Sports Medicine, 2011, 45, 1040-1047.	6.7	40
21	Highly sulfated glycosaminoglycans inhibit aggrecanase degradation of aggrecan by bovine articular cartilage explant cultures. Matrix Biology, 2002, 21, 429-440.	3.6	39
22	Association of type XI collagen genes with chronic Achilles tendinopathy in independent populations from South Africa and Australia. British Journal of Sports Medicine, 2013, 47, 569-574.	6.7	38
23	Passive loss of proteoglycan from articular cartilage explants. Biochimica Et Biophysica Acta - General Subjects, 1989, 993, 157-167.	2.4	33
24	Cleavage of proteoglycan aggregate by leucocyte elastase. Archives of Biochemistry and Biophysics, 1992, 292, 442-447.	3.0	32
25	The effect of retinoic acid on proteoglycan turnover in bovine articular cartilage cultures. Archives of Biochemistry and Biophysics, 1987, 258, 143-155.	3.0	31
26	Changes in proteoglycan biosynthesis following leukocyte elastase treatment of bovine articular cartilage in culture. Arthritis and Rheumatism, 1984, 27, 905-912.	6.7	30
27	Calcium pentosan polysulfate inhibits the catabolism of aggrecan in articular cartilage explant cultures. Arthritis and Rheumatism, 2000, 43, 2211-2218.	6.7	30
28	Large aggregating and small leucine-rich proteoglycans are degraded by different pathways and at different rates in tendon. FEBS Journal, 2004, 271, 3612-3620.	0.2	30
29	Presence of antibodies to native G1 domain of aggrecan core protein in synovial fluids from patients with various joint diseases. Arthritis and Rheumatism, 1996, 39, 1990-1997.	6.7	28
30	Bovine joint capsule and fibroblasts derived from joint capsule express aggrecanase activity. Matrix Biology, 2000, 19, 257-265.	3.6	28
31	Distinguishing Aggrecan Loss from Aggrecan Proteolysis in ADAMTS-4 and ADAMTS-5 Single and Double Deficient Mice. Journal of Biological Chemistry, 2007, 282, 37420-37428.	3.4	28
32	The effect of retinoic acid on proteoglycan biosynthesis in bovine articular cartilage cultures. Archives of Biochemistry and Biophysics, 1987, 253, 462-474.	3.0	24
33	Catabolism and Loss of Proteoglycans from Cultures of Bovine Collateral Ligament. Archives of Biochemistry and Biophysics, 1996, 328, 64-72.	3.0	24
34	Coincubation of Bovine Synovial or Capsular Tissue with Cartilage Generates a Soluble â€œAggrecanaseâ€• Activity. Biochemical and Biophysical Research Communications, 1999, 255, 686-691.	2.1	23
35	Characterization and synthesis of macromolecules by adult collateral ligament. Biochimica Et Biophysica Acta - General Subjects, 1990, 1034, 73-80.	2.4	19
36	Characterization of extracellular matrix macromolecules from bovine synovial capsule. Journal of Orthopaedic Research, 1994, 12, 365-374.	2.3	19

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37	Extracellular matrix proteins interact with cellâ€signaling pathways in modifying risk of achilles tendinopathy. Journal of Orthopaedic Research, 2015, 33, 898-903.	2.3	19
38	Effect of insulin-like growth factor-I on the synthesis and distribution of link protein and hyaluronan in explant cultures of articular cartilage. Biochimica Et Biophysica Acta - Molecular Cell Research, 1992, 1135, 309-317.	4.1	18
39	Structure, Metabolism, and Tissue Roles of Chondroitin Sulfate Proteoglycans. Advances in Pharmacology, 2006, 53, 219-232.	2.0	17
40	Identification of Distinct Metabolic Pools of Aggrecan and Their Relationship to Type VI Collagen in the Chondrons of Mature Bovine Articular Cartilage Explants. Connective Tissue Research, 1998, 37, 277-293.	2.3	16
41	Carrageenin-induced arthritis. III. Proteolytic enzymes present in rabbit knee joints after a single intraarticular injection of carrageenin. Arthritis and Rheumatism, 1976, 19, 1287-1294.	6.7	15
42	Polymorphonuclear neutrophils release 35S-labelled proteoglycans into cartilage during frustrated phagocytosis. FEBS Journal, 1994, 221, 871-879.	0.2	13
43	[21] Catabolism and turnover of proteoglycans. Methods in Enzymology, 1987, 144, 412-419.	1.0	12
44	Characterization of a Large Chondroitin Sulfate Proteoglycan Present in Bovine Collateral Ligament. Archives of Biochemistry and Biophysics, 1996, 329, 181-190.	3.0	12
45	Short- and long-term exposure of articular cartilage to curcumin or quercetin inhibits aggrecan loss. Journal of Nutritional Biochemistry, 2012, 23, 106-112.	4.2	12
46	Catabolism of newly synthesized decorin by explant cultures of bovine ligament. Matrix Biology, 2000, 19, 129-138.	3.6	11
47	Kinetics of release of aggrecan from explant cultures of bovine cartilage from different sources and from animals of different ages. Acta Orthopaedica, 1995, 66, 33-37.	1.4	11
48	Distribution of newly synthesized aggrecan in explant cultures of bovine cartilage treated with retinoic acid. Matrix Biology, 2002, 21, 579-592.	3.6	9
49	Variants within theCOMPandTHBS2genes are not associated with Achilles tendinopathy in a case-control study of South African and Australian populations. Journal of Sports Sciences, 2014, 32, 92-100.	2.0	7
50	Metabolic processing of newly synthesized link protein in bovine articular cartilage explant cultures. Matrix Biology, 1999, 18, 65-74.	3.6	3
51	Sulfated polysaccharides inhibit the catabolism and loss of both large and small proteoglycans in explant cultures of tendon. FEBS Journal, 2006, 273, 3479-3488.	4.7	3