Warren Knudson

List of Publications by Year
in descending order

55 papers	4,221 citations	172207 29 h-index	189595 50 g-index
56 all docs	56 docs citations	56 times ranked	4094 citing authors

#	Article	IF	Citations
1	Metabolic reprogramming in chondrocytes to promote mitochondrial respiration reduces downstream features of osteoarthritis. Scientific Reports, 2021, 11, 15131.	1.6	19
2	Suppression of murine osteoarthritis by 4â€methylumbelliferone. Journal of Orthopaedic Research, 2020, 38, 1122-1131.	1.2	6
3	Hyaluronan regulates synapse formation and function in developing neural networks. Scientific Reports, 2020, 10, 16459.	1.6	22
4	Hyaluronan synthase 2 (HAS2) overexpression diminishes the procatabolic activity of chondrocytes by a mechanism independent of extracellular hyaluronan. Journal of Biological Chemistry, 2019, 294, 13562-13579.	1.6	16
5	Chondroprotective effects of 4-methylumbelliferone and hyaluronan synthase-2 overexpression involve changes in chondrocyte energy metabolism. Journal of Biological Chemistry, 2019, 294, 17799-17817.	1.6	27
6	Inhibition of CD44 intracellular domain production suppresses bovine articular chondrocyte de-differentiation induced by excessive mechanical stress loading. Scientific Reports, 2019, 9, 14901.	1.6	8
7	Simvastatin promotes restoration of chondrocyte morphology and phenotype. Archives of Biochemistry and Biophysics, 2019, 665, 1-11.	1.4	12
8	The pericellular hyaluronan of articular chondrocytes. Matrix Biology, 2019, 78-79, 32-46.	1.5	58
9	4-Methylumbelliferone Diminishes Catabolically Activated Articular Chondrocytes and Cartilage Explants via a Mechanism Independent of Hyaluronan Inhibition. Journal of Biological Chemistry, 2016, 291, 12087-12104.	1.6	19
10	Hypoxia-inducible factor-2Î± induces expression of type X collagen and matrix metalloproteinases 13 in osteoarthritic meniscal cells. Inflammation Research, 2016, 65, 439-448.	1.6	15
11	Simvastatin inhibits CD44 fragmentation in chondrocytes. Archives of Biochemistry and Biophysics, 2016, 604, 1-10.	1.4	6
12	CRISPR/Cas9 knockout of HAS2 in rat chondrosarcoma chondrocytes demonstrates the requirement of hyaluronan for aggrecan retention. Matrix Biology, 2016, 56, 74-94.	1.5	31
13	Extracellular Processing of the Cartilage Proteoglycan Aggregate and Its Effect on CD44-mediated Internalization of Hyaluronan. Journal of Biological Chemistry, 2015, 290, 9555-9570.	1.6	17
14	CD44 knock-down in bovine and human chondrocytes results in release of bound HYAL2. Matrix Biology, 2015, 48, 42-54.	1.5	15
15	Chondroprotective Effect of Kartogenin on CD44-Mediated Functions in Articular Cartilage and Chondrocytes. Cartilage, 2014, 5, 172-180.	1.4	37
16	CD44 and Hyaluronan Promote the Bone Morphogenetic Protein 7 Signaling Response in Murine Chondrocytes. Arthritis and Rheumatology, 2014, 66, 1547-1558.	2.9	20
17	Chondrogenic capacity and alterations in hyaluronan synthesis of cultured human osteoarthritic chondrocytes. Biochemical and Biophysical Research Communications, 2013, 435, 733-739.	1.0	28
18	Intracellular Domain Fragment of CD44 Alters CD44 Function in Chondrocytes. Journal of Biological Chemistry, 2013, 288, 25838-25850.	1.6	29

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19	Chondrogenesis in pellet cultures using multipotent mesenchymal stromal cells derived from Cd44â^'/â^' and wildtype mice. FASEB Journal, 2013, 27, 751.3.	0.2	0
20	Mechanisms for differential endocytosis of CD44 involved in turnover and signaling in chondrocytes. FASEB Journal, 2013, 27, 523.15.	0.2	0
21	Mechanisms involved in enhancement of the expression and function of aggrecanases by hyaluronan oligosaccharides. Arthritis and Rheumatism, 2012, 64, 187-197.	6.7	26
22	Functional significance of CD44 and MMPâ€9 in cartilage homeostasis. FASEB Journal, 2012, 26, 906.3.	0.2	0
23	Induction of CD44 cleavage in articular chondrocytes. Arthritis and Rheumatism, 2010, 62, 1338-1348.	6.7	37
24	Internalization of Aggrecan G1 Domain Neoepitope ITEGE in Chondrocytes Requires CD44. Journal of Biological Chemistry, 2010, 285, 36216-36224.	1.6	24
25	Hyaluronanâ€chondrocyte interactions mediate cell signaling pathways. FASEB Journal, 2010, 24, 953.5.	0.2	0
26	Hyaluronan Oligosaccharides Inhibit Tumorigenicity of Osteosarcoma Cell Lines MG-63 and LM-8 in Vitro and in Vivo via Perturbation of Hyaluronan-Rich Pericellular Matrix of the Cells. American Journal of Pathology, 2007, 171, 274-286.	1.9	69
27	CD44 Is the Signaling Component of the Macrophage Migration Inhibitory Factor-CD74 Receptor Complex. Immunity, 2006, 25, 595-606.	6.6	539
28	The accumulation of intracellular ITEGE and DIPEN neoepitopes in bovine articular chondrocytes is mediated by CD44 internalization of hyaluronan. Arthritis and Rheumatism, 2006, 54, 443-454.	6.7	27
29	Acylation of CD44 and Its Association with Lipid Rafts Are Required for Receptor and Hyaluronan Endocytosis. Journal of Biological Chemistry, 2006, 281, 34601-34609.	1.6	97
30	Hyaluronan Oligosaccharides Induce Matrix Metalloproteinase 13 via Transcriptional Activation of NFÎºB and p38 MAP Kinase in Articular Chondrocytes. Journal of Biological Chemistry, 2006, 281, 17952-17960.	1.6	95
31	Hyaluronan oligosaccharide-induced activation of transcription factors in bovine articular chondrocytes. Arthritis and Rheumatism, 2005, 52, 800-809.	6.7	54
32	Characterization of Promoter Elements of the Human HYAL-2 Gene. Journal of Biological Chemistry, 2005, 280, 26904-26912.	1.6	22
33	The Hyaluronan Receptor: CD44. , 2004, , 83-123.		14
34	CD44 modulates Smad1 activation in the BMP-7 signaling pathway. Journal of Cell Biology, 2004, 166, 1081-1091.	2.3	72
35	Induction of CD44 and MMP Expression by Hyaluronidase Treatment of Articular Chondrocytes. Journal of Biochemistry, 2004, 135, 567-575.	0.9	43
36	Osteogenic Protein-1 inhibits matrix depletion in a hyaluronan hexasaccharide-induced model of osteoarthritis11Supported in part by NIH grants P50-AR39239, RO1-AR43384 (WK), RO1-AR39507 (CBK) and grants from the Arthritis Foundation. Osteoarthritis and Cartilage, 2004, 12, 374-382.	0.6	59

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37	An update on hyaluronan and CD44 in cartilage. Current Opinion in Orthopaedics, 2004, 15, 369-375.	0.3	10
38	Hyaluronan and CD44. Clinical Orthopaedics and Related Research, 2004, 427, S152-S162.	0.7	145
39	Hyaluronan and CD44: modulators of chondrocyte metabolism. Clinical Orthopaedics and Related Research, 2004, , S152-62.	0.7	62
40	G1 domain of aggrecan cointernalizes with hyaluronan via a CD44-mediated mechanism in bovine articular chondrocytes. Arthritis and Rheumatism, 2003, 48, 3431-3441.	6.7	39
41	A Requirement for the CD44 Cytoplasmic Domain for Hyaluronan Binding, Pericellular Matrix Assembly, and Receptor-mediated Endocytosis in COS-7 Cells. Journal of Biological Chemistry, 2002, 277, 10531-10538.	1.6	84
42	CD44-mediated uptake and degradation of hyaluronan. Matrix Biology, 2002, 21, 15-23.	1.5	215
43	Cartilage proteoglycans. Seminars in Cell and Developmental Biology, 2001, 12, 69-78.	2.3	502
44	Mechanisms of chondrocyte adhesion to cartilage: role of Î²1-integrins, CD44, and annexin V. Journal of Orthopaedic Research, 2001, 19, 1122-1130.	1.2	48
45	Antisense inhibition of CD44 tailless splice variant in human articular chondrocytes promotes hyaluronan internalization. Arthritis and Rheumatism, 2001, 44, 2599-2610.	6.7	32
46	Osteogenic protein 1 stimulates cell-associated matrix assembly by normal human articular chondrocytes: Up-regulation of hyaluronan synthase, CD44, and aggrecan. Arthritis and Rheumatism, 2000, 43, 206-214.	6.7	110
47	Hyaluronan oligosaccharides perturb cartilage matrix homeostasis and induce chondrocytic chondrolysis. Arthritis and Rheumatism, 2000, 43, 1165.	6.7	135
48	Stimulation of hyaluronan metabolism by interleukinâ€1Î± in human articular cartilage. Arthritis and Rheumatism, 2000, 43, 1315-1326.	6.7	88
49	Differential Effects of Interleukin-1 on Hyaluronan and Proteoglycan Metabolism in Two Compartments of the Matrix Formed by Articular Chondrocytes Maintained in Alginate. Archives of Biochemistry and Biophysics, 2000, 374, 59-65.	1.4	28
50	Antisense Inhibition of Hyaluronan Synthase-2 in Human Articular Chondrocytes Inhibits Proteoglycan Retention and Matrix Assembly. Journal of Biological Chemistry, 1999, 274, 21893-21899.	1.6	114
51	Internalization of the Hyaluronan Receptor CD44 by Chondrocytes. Experimental Cell Research, 1999, 252, 292-302.	1.2	88
52	Antisense inhibition of chondrocyte CD44 expression leading to cartilage chondrolysis. Arthritis and Rheumatism, 1998, 41, 1411-1419.	6.7	64
53	CD44-Anchored Hyaluronan-Rich Pericellular Matrices: An Ultrastructural and Biochemical Analysis. Experimental Cell Research, 1996, 228, 216-228.	1.2	178
54	Increased Expression of CD44 in Bovine Articular Chondrocytes by Catabolic Cellular Mediators. Journal of Biological Chemistry, 1995, 270, 27734-27741.	1.6	119

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55	Hyaluronanâ€binding proteins in development, tissue homeostasis, and disease. FASEB Journal, 1993, 7, 1233-1241.	0.2	597