

# John D Kisiday

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41  
papers

1,901  
citations

20  
h-index

43  
g-index

43  
ext. papers

2,098  
ext. citations

3.6  
avg, IF

4.49  
L-index

#	Paper	IF	Citations
41	Increased knee cartilage volume in degenerative joint disease using percutaneously implanted, autologous mesenchymal stem cells. <i>Pain Physician</i> , <b>2008</b> , 11, 343-53	1.8	217
40	Evaluation of intra-articular mesenchymal stem cells to augment healing of microfractured chondral defects. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2011</b> , 27, 1552-61	5.4	204
39	Effects of dynamic compressive loading on chondrocyte biosynthesis in self-assembling peptide scaffolds. <i>Journal of Biomechanics</i> , <b>2004</b> , 37, 595-604	2.9	187
38	Evaluation of adipose-derived stromal vascular fraction or bone marrow-derived mesenchymal stem cells for treatment of osteoarthritis. <i>Journal of Orthopaedic Research</i> , <b>2009</b> , 27, 1675-80	3.8	186
37	Evaluation of adult equine bone marrow- and adipose-derived progenitor cell chondrogenesis in hydrogel cultures. <i>Journal of Orthopaedic Research</i> , <b>2008</b> , 26, 322-31	3.8	161
36	Clinical outcome after intra-articular administration of bone marrow derived mesenchymal stem cells in 33 horses with stifle injury. <i>Veterinary Surgery</i> , <b>2014</b> , 43, 255-65	1.7	111
35	Regeneration of meniscus cartilage in a knee treated with percutaneously implanted autologous mesenchymal stem cells. <i>Medical Hypotheses</i> , <b>2008</b> , 71, 900-8	3.8	111
34	Dynamic compression stimulates proteoglycan synthesis by mesenchymal stem cells in the absence of chondrogenic cytokines. <i>Tissue Engineering - Part A</i> , <b>2009</b> , 15, 2817-24	3.9	81
33	Polysaccharide-based polyelectrolyte multilayer surface coatings can enhance mesenchymal stem cell response to adsorbed growth factors. <i>Biomacromolecules</i> , <b>2010</b> , 11, 2629-39	6.9	70
32	Evaluation of medium supplemented with insulin-transferrin-selenium for culture of primary bovine calf chondrocytes in three-dimensional hydrogel scaffolds. <i>Tissue Engineering</i> , <b>2005</b> , 11, 141-51		66
31	Controlled delivery of transforming growth factor $\beta$ by self-assembling peptide hydrogels induces chondrogenesis of bone marrow stromal cells and modulates Smad2/3 signaling. <i>Tissue Engineering - Part A</i> , <b>2011</b> , 17, 83-92	3.9	61
30	Static and cyclic tensile strain induce myxomatous effector proteins and serotonin in canine mitral valves. <i>Journal of Veterinary Cardiology</i> , <b>2012</b> , 14, 223-30	1.9	35
29	Osteoblastic differentiation of human and equine adult bone marrow-derived mesenchymal stem cells when BMP-2 or BMP-7 homodimer genetic modification is compared to BMP-2/7 heterodimer genetic modification in the presence and absence of dexamethasone. <i>Journal of Orthopaedic Research</i> , <b>2010</b> , 28, 1330-7	3.8	35
28	Effects of Platelet-Rich Plasma Composition on Anabolic and Catabolic Activities in Equine Cartilage and Meniscal Explants. <i>Cartilage</i> , <b>2012</b> , 3, 245-54	3	33
27	Use of Platelet-Rich Plasma Immediately After an Injury Did Not Improve Ligament Healing, and Increasing Platelet Concentrations Was Detrimental in an In Vivo Animal Model. <i>American Journal of Sports Medicine</i> , <b>2018</b> , 46, 702-712	6.8	31
26	Effect of scaffold dilution on migration of mesenchymal stem cells from fibrin hydrogels. <i>American Journal of Veterinary Research</i> , <b>2012</b> , 73, 313-8	1.1	30
25	Sustained delivery of bioactive TGF- $\beta$ from self-assembling peptide hydrogels induces chondrogenesis of encapsulated bone marrow stromal cells. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2014</b> , 102, 1275-85	5.4	29

24	Catabolic responses of chondrocyte-seeded peptide hydrogel to dynamic compression. <i>Annals of Biomedical Engineering</i> , <b>2009</b> , 37, 1368-75	4.7	27
23	Effects of equine bone marrow aspirate volume on isolation, proliferation, and differentiation potential of mesenchymal stem cells. <i>American Journal of Veterinary Research</i> , <b>2013</b> , 74, 801-7	1.1	24
22	Partial regeneration of the human hip via autologous bone marrow nucleated cell transfer: A case study. <i>Pain Physician</i> , <b>2006</b> , 9, 253-6	1.8	23
21	Expansion of mesenchymal stem cells on fibrinogen-rich protein surfaces derived from blood plasma. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2011</b> , 5, 600-11	4.4	19
20	Mechanical injury of explants from the articulating surface of the inner meniscus. <i>Archives of Biochemistry and Biophysics</i> , <b>2010</b> , 494, 138-44	4.1	19
19	Growth Factor-Mediated Migration of Bone Marrow Progenitor Cells for Accelerated Scaffold Recruitment. <i>Tissue Engineering - Part A</i> , <b>2016</b> , 22, 917-27	3.9	18
18	Deletion of ADAMTS5 does not affect aggrecan or versican degradation but promotes glucose uptake and proteoglycan synthesis in murine adipose derived stromal cells. <i>Matrix Biology</i> , <b>2015</b> , 47, 66-84	11.4	16
17	Effects of Dexamethasone Concentration and Timing of Exposure on Chondrogenesis of Equine Bone Marrow-Derived Mesenchymal Stem Cells. <i>Cartilage</i> , <b>2016</b> , 7, 92-103	3	15
16	Equine Models for the Investigation of Mesenchymal Stem Cell Therapies in Orthopaedic Disease. <i>Operative Techniques in Sports Medicine</i> , <b>2017</b> , 25, 41-49	0.4	14
15	The platelet-rich plasma and mesenchymal stem cell milieu: A review of therapeutic effects on bone healing. <i>Journal of Orthopaedic Research</i> , <b>2020</b> , 38, 2539-2550	3.8	13
14	Development of an in vitro model of injury-induced osteoarthritis in cartilage explants from adult horses through application of single-impact compressive overload. <i>American Journal of Veterinary Research</i> , <b>2013</b> , 74, 40-7	1.1	12
13	Tissue-Engineered Versus Native Cartilage: Linkage between Cellular Mechano-Transduction and Biomechanical Properties. <i>Novartis Foundation Symposium</i> , <b>2008</b> , 52-69		12
12	Hyaluronic Acid-Based Shape-Memory Cryogel Scaffolds for Focal Cartilage Defect Repair. <i>Tissue Engineering - Part A</i> , <b>2021</b> , 27, 748-760	3.9	10
11	Modulating the oxidative environment during mesenchymal stem cells chondrogenesis with serum increases collagen accumulation in agarose culture. <i>Journal of Orthopaedic Research</i> , <b>2018</b> , 36, 506-514	3.8	7
10	Induction of bone marrow mesenchymal stem cell chondrogenesis following short-term suspension culture. <i>Journal of Orthopaedic Research</i> , <b>2011</b> , 29, 26-32	3.8	7
9	Effect of culture duration on chondrogenic preconditioning of equine bone marrow mesenchymal stem cells in self-assembling peptide hydrogel. <i>Journal of Orthopaedic Research</i> , <b>2019</b> , 37, 1368-1375	3.8	6
8	Can Extracorporeal Shockwave Promote Osteogenesis of Equine Bone Marrow-Derived Mesenchymal Stem Cells In Vitro. <i>Stem Cells and Development</i> , <b>2020</b> , 29, 110-118	4.4	4
7	Differential Effects of the Antioxidants -Acetylcysteine and Pyrrolidine Dithiocarbamate on Mesenchymal Stem Cell Chondrogenesis. <i>Cellular and Molecular Bioengineering</i> , <b>2019</b> , 12, 153-163	3.9	2

6	Mechanical, biochemical, and morphological topography of ovine knee cartilage. <i>Journal of Orthopaedic Research</i> , <b>2021</b> , 39, 780-787	3.8	2
5	Adult ovine chondrocytes in expansion culture adopt progenitor cell properties that are favorable for cartilage tissue engineering. <i>Journal of Orthopaedic Research</i> , <b>2020</b> , 38, 1996-2005	3.8	1
4	Culture Conditions that Support Expansion and Chondrogenesis of Middle-Aged Rat Mesenchymal Stem Cells. <i>Cartilage</i> , <b>2020</b> , 11, 364-373	3	1
3	Colony Forming Potential and Protein Composition of Commercial Umbilical Cord Allograft Products in Comparison With Autologous Orthobiologics. <i>American Journal of Sports Medicine</i> , <b>2021</b> , 49, 3404-3413	6.8	1
2	Adult ovine connective tissue cells resemble mesenchymal stromal cells in their propensity for extensive ex vivo expansion. <i>Connective Tissue Research</i> , <b>2020</b> , 1-10	3.3	0
1	Biomechanical, Morphological, and Biochemical Characteristics of Articular Cartilage of the Ovine Humeral Head.. <i>Cartilage</i> , <b>2022</b> , 13, 19476035221081465	3	