

James E Dennis

List of Publications by Year in Descending Order

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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.

78
papers

8,747
citations

43
h-index

81
g-index

81
ext. papers

9,383
ext. citations

4.6
avg, IF

6
L-index

#	Paper	IF	Citations
78	High-Throughput, Temporal and Dose Dependent, Effect of Vitamins and Minerals on Chondrogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 92	5.7	4
77	Physioxia Stimulates Extracellular Matrix Deposition and Increases Mechanical Properties of Human Chondrocyte-Derived Tissue-Engineered Cartilage. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 590743	5.8	4
76	Transcriptome-Wide Analysis of Human Chondrocyte Expansion on Synoviocyte Matrix. <i>Cells</i> , 2019 , 8,	7.9	6
75	Thyroxine Increases Collagen Type II Expression and Accumulation in Scaffold-Free Tissue-Engineered Articular Cartilage. <i>Tissue Engineering - Part A</i> , 2018 , 24, 369-381	3.9	11
74	Tissue engineering of a composite trachea construct using autologous rabbit chondrocytes. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e1383-e1391	4.4	9
73	Rapid Detection of Shear-Induced Damage in Tissue-Engineered Cartilage Using Ultrasound. <i>Tissue Engineering - Part C: Methods</i> , 2018 , 24, 443-456	2.9	4
72	Reduced bone loss in a murine model of postmenopausal osteoporosis lacking complement component 3. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 118-128	3.8	11
71	Scaffold-free cartilage subjected to frictional shear stress demonstrates damage by cracking and surface peeling. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 412-424	4.4	13
70	Disparate response of articular- and auricular-derived chondrocytes to oxygen tension. <i>Connective Tissue Research</i> , 2016 , 57, 319-33	3.3	5
69	Coefficient of Friction Patterns Can Identify Damage in Native and Engineered Cartilage Subjected to Frictional-Shear Stress. <i>Annals of Biomedical Engineering</i> , 2015 , 43, 2056-68	4.7	4
68	Synoviocyte Derived-Extracellular Matrix Enhances Human Articular Chondrocyte Proliferation and Maintains Re-Differentiation Capacity at Both Low and Atmospheric Oxygen Tensions. <i>PLoS ONE</i> , 2015 , 10, e0129961	3.7	10
67	Route of delivery influences biodistribution of human bone marrow-derived mesenchymal stromal cells following experimental bone marrow transplantation. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2015 , 11, 34-43	0.8	4
66	Enhanced chondrogenic differentiation of dental pulp stem cells using nanopatterned PEG-GelMA-HA hydrogels. <i>Tissue Engineering - Part A</i> , 2014 , 20, 2817-29	3.9	51
65	Simple evaluation method for osteoinductive capacity of cells or scaffolds using ceramic cubes. <i>Tissue and Cell</i> , 2014 , 46, 372-8	2.7	8
64	Cobalt protoporphyrin pretreatment protects human embryonic stem cell-derived cardiomyocytes from hypoxia/reoxygenation injury in vitro and increases graft size and vascularization in vivo. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 734-44	6.9	20
63	Serial transplantation and long-term engraftment of intra-arterially delivered clonally derived mesenchymal stem cells to injured bone marrow. <i>Molecular Therapy</i> , 2014 , 22, 160-8	11.7	47
62	Developmental-like bone regeneration by human embryonic stem cell-derived mesenchymal cells. <i>Tissue Engineering - Part A</i> , 2014 , 20, 365-77	3.9	41

61	Investigating a continuous shear strain function for depth-dependent properties of native and tissue engineering cartilage using pixel-size data. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013 , 28, 62-70	4.1	11
60	Imaging early stage osteogenic differentiation of mesenchymal stem cells. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 871-9	3.8	14
59	Development of a peptide-targeted, myocardial ischemia-homing, mesenchymal stem cell. <i>Journal of Drug Targeting</i> , 2012 , 20, 23-32	5.4	47
58	Imaging stem cell differentiation for cell-based tissue repair. <i>Methods in Enzymology</i> , 2012 , 506, 247-63	1.7	8
57	One-step derivation of mesenchymal stem cell (MSC)-like cells from human pluripotent stem cells on a fibrillar collagen coating. <i>PLoS ONE</i> , 2012 , 7, e33225	3.7	102
56	Methods for producing scaffold-free engineered cartilage sheets from auricular and articular chondrocyte cell sources and attachment to porous tantalum. <i>BioResearch Open Access</i> , 2012 , 1, 157-65	2.4	25
55	Monosodium Urate and Tumor Necrosis Factor- α Increase Apoptosis in Human Chondrocyte Cultures. <i>Rheumatology (Sunnyvale, Calif)</i> , 2012 , 2, 113		22
54	Low oxygen tension during incubation periods of chondrocyte expansion is sufficient to enhance postexpansion chondrogenesis. <i>Tissue Engineering - Part A</i> , 2010 , 16, 1585-93	3.9	23
53	Targeting improves MSC treatment of inflammatory bowel disease. <i>Molecular Therapy</i> , 2010 , 18, 1365-72	1.7	136
52	Scaffold-free tissue-engineered cartilage implants for laryngotracheal reconstruction. <i>Laryngoscope</i> , 2010 , 120, 612-7	3.6	43
51	Transcriptional profiling of human mesenchymal stem cells transduced with reporter genes for imaging. <i>Physiological Genomics</i> , 2009 , 37, 23-34	3.6	38
50	Cartilage repair: past and future--lessons for regenerative medicine. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 792-810	5.6	116
49	Dexamethasone inhibition of confluence-induced apoptosis in human mesenchymal stem cells. <i>Journal of Orthopaedic Research</i> , 2009 , 27, 216-21	3.8	45
48	In vitro dexamethasone pretreatment enhances bone formation of human mesenchymal stem cells in vivo. <i>Journal of Orthopaedic Research</i> , 2009 , 27, 916-21	3.8	71
47	Tissue-engineered trachea for airway reconstruction. <i>Laryngoscope</i> , 2009 , 119, 2118-23	3.6	32
46	Targeting mesenchymal stem cells to activated endothelial cells. <i>Biomaterials</i> , 2009 , 30, 3702-10	15.6	84
45	Optimizing mesenchymal stem cell-based therapeutics. <i>Current Opinion in Biotechnology</i> , 2009 , 20, 531-6	1.4	141
44	Fabrication of a neotrachea using engineered cartilage. <i>Laryngoscope</i> , 2008 , 118, 593-8	3.6	48

43	Imaging stem cell implant for cellular-based therapies. <i>Experimental Biology and Medicine</i> , 2008 , 233, 930-40	3.7	38
42	Synergistic actions of hematopoietic and mesenchymal stem/progenitor cells in vascularizing bioengineered tissues. <i>PLoS ONE</i> , 2008 , 3, e3922	3.7	77
41	Clinical-scale expansion of a mixed population of bone-marrow-derived stem and progenitor cells for potential use in bone-tissue regeneration. <i>Stem Cells</i> , 2007 , 25, 2575-82	5.8	82
40	Hyaluronan-based scaffolds to tissue-engineer cartilage implants for laryngotracheal reconstruction. <i>Laryngoscope</i> , 2007 , 117, 1745-9	3.6	36
39	Endogenous PKI gamma limits the duration of the anti-apoptotic effects of PTH and beta-adrenergic agonists in osteoblasts. <i>Journal of Bone and Mineral Research</i> , 2007 , 22, 656-64	6.3	10
38	Imaging of mesenchymal stem cell transplant by bioluminescence and PET. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 2011-20	8.9	91
37	Cartilage tissue engineering for laryngotracheal reconstruction: comparison of chondrocytes from three anatomic locations in the rabbit. <i>Tissue Engineering</i> , 2007 , 13, 843-53		53
36	Mesenchymal stem cells as trophic mediators. <i>Journal of Cellular Biochemistry</i> , 2006 , 98, 1076-84	4.7	2261
35	A simple method for stem cell labeling with fluorine 18. <i>Nuclear Medicine and Biology</i> , 2005 , 32, 701-5	2.1	50
34	Sustained Wnt protein expression in chondral constructs from mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2005 , 203, 6-14	7	13
33	Tissue engineering of autologous cartilage grafts in three-dimensional in vitro macroaggregate culture system. <i>Tissue Engineering</i> , 2004 , 10, 1695-706		76
32	Targeted delivery of progenitor cells for cartilage repair. <i>Journal of Orthopaedic Research</i> , 2004 , 22, 735-48	3.8	69
31	Advances in mesenchymal stem cell biology. <i>Current Opinion in Orthopaedics</i> , 2004 , 15, 341-346		8
30	Dental Pulp Cells with Multi-Potential for Differentiation to Odontoblast and Chondroblast. <i>Journal of Hard Tissue Biology</i> , 2003 , 12, 49-55	0.4	3
29	Origin and differentiation of human and murine stroma. <i>Stem Cells</i> , 2002 , 20, 205-14	5.8	257
28	Immunochemical and mechanical characterization of cartilage subtypes in rabbit. <i>Journal of Histochemistry and Cytochemistry</i> , 2002 , 50, 1049-58	3.4	128
27	The STRO-1+ marrow cell population is multipotential. <i>Cells Tissues Organs</i> , 2002 , 170, 73-82	2.1	273
26	Repair of osteochondral defect with tissue-engineered two-phase composite material of injectable calcium phosphate and hyaluronan sponge. <i>Tissue Engineering</i> , 2002 , 8, 827-37		129

25	Treatment of osteochondral defects with autologous bone marrow in a hyaluronan-based delivery vehicle. <i>Tissue Engineering</i> , 2002 , 8, 333-47		150
24	The dynamic in vivo distribution of bone marrow-derived mesenchymal stem cells after infusion. <i>Cells Tissues Organs</i> , 2001 , 169, 12-20	2.1	759
23	Tissue-engineered fabrication of an osteochondral composite graft using rat bone marrow-derived mesenchymal stem cells. <i>Tissue Engineering</i> , 2001 , 7, 363-71		241
22	Hyaluronan-based polymers in the treatment of osteochondral defects. <i>Journal of Orthopaedic Research</i> , 2000 , 18, 773-80	3.8	177
21	A quadripotential mesenchymal progenitor cell isolated from the marrow of an adult mouse. <i>Journal of Bone and Mineral Research</i> , 1999 , 14, 700-9	6.3	325
20	Vascular smooth muscle differentiation of murine stroma: a sequential model. <i>Experimental Hematology</i> , 1999 , 27, 1782-95	3.1	48
19	Hyaluronic acid-based polymers as cell carriers for tissue-engineered repair of bone and cartilage. <i>Journal of Orthopaedic Research</i> , 1999 , 17, 205-13	3.8	331
18	In vivo osteogenesis assay: a rapid method for quantitative analysis. <i>Biomaterials</i> , 1998 , 19, 1323-8	15.6	63
17	LacZ and interleukin-3 expression in vivo after retroviral transduction of marrow-derived human osteogenic mesenchymal progenitors. <i>Human Gene Therapy</i> , 1997 , 8, 1417-27	4.8	150
16	Stimulatory effects of basic fibroblast growth factor and bone morphogenetic protein-2 on osteogenic differentiation of rat bone marrow-derived mesenchymal stem cells. <i>Journal of Bone and Mineral Research</i> , 1997 , 12, 1606-14	6.3	304
15	Alterations in sarcomere structure, collagen organization, mitochondrial activity, and protein metabolism in the avian low score normal muscle weakness. <i>Development Growth and Differentiation</i> , 1997 , 39, 563-70	3	22
14	Osteochondrogenic potential of marrow mesenchymal progenitor cells exposed to TGF-beta 1 or PDGF-BB as assayed in vivo and in vitro. <i>Journal of Bone and Mineral Research</i> , 1996 , 11, 1264-73	6.3	132
13	The avian eggshell extracellular matrix as a model for biomineralization. <i>Connective Tissue Research</i> , 1996 , 35, 325-9	3.3	55
12	Mesenchymal stem cells: Progenitors, progeny, and pathways. <i>Journal of Bone and Mineral Metabolism</i> , 1996 , 14, 193-201	2.9	31
11	Differentiation potential of conditionally immortalized mesenchymal progenitor cells from adult marrow of a H-2Kb-tsA58 transgenic mouse. <i>Journal of Cellular Physiology</i> , 1996 , 167, 523-38	7	74
10	Microstructure of matrix and mineral components of eggshells from White Leghorn chickens (<i>Gallus gallus</i>). <i>Journal of Morphology</i> , 1996 , 228, 287-306	1.6	78
9	Analysis of the developmental potential of conditionally immortal marrow-derived mesenchymal progenitor cells isolated from the H-2Kb-tsA58 transgenic mouse. <i>Connective Tissue Research</i> , 1996 , 35, 93-9	3.3	23
8	Differentiation potential of conditionally immortalized mesenchymal progenitor cells from adult marrow of a H-2Kb-tsA58 transgenic mouse 1996 , 167, 523		4

7	Myogenic Expression of Mesenchymal Stem Cells within Myotubes of mdx Mice in Vitro and in Vivo. <i>Tissue Engineering</i> , 1995 , 1, 327-43		102
6	A chemically defined medium supports in vitro proliferation and maintains the osteochondral potential of rat marrow-derived mesenchymal stem cells. <i>Experimental Cell Research</i> , 1995 , 219, 211-22	4.2	264
5	Osteogenesis in marrow-derived mesenchymal cell porous ceramic composites transplanted subcutaneously: effect of fibronectin and laminin on cell retention and rate of osteogenic expression. <i>Cell Transplantation</i> , 1992 , 1, 23-32	4	241
4	Partial biochemical and immunochemical characterization of avian eggshell extracellular matrices. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 298, 293-302	4.1	77
3	The dynamics of compartmentalization of embryonic muscle by extracellular matrix molecules. <i>Developmental Biology</i> , 1991 , 147, 46-61	3.1	44
2	Collagens of the chicken eggshell membranes. <i>Connective Tissue Research</i> , 1991 , 26, 37-45	3.3	120
1	Polarized release of enveloped viruses in the embryonic chick heart: demonstration of epithelial polarity in the presumptive myocardium. <i>Developmental Biology</i> , 1990 , 141, 164-72	3.1	20