

Brian Johnstone

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,961
citations

687363

13
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

3350
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vitro Chondrogenesis of Bone Marrow-Derived Mesenchymal Progenitor Cells. <i>Experimental Cell Research</i> , 1998, 238, 265-272.	2.6	2,169
2	Stem Cell-Derived Endochondral Cartilage Stimulates Bone Healing by Tissue Transformation. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1269-1282.	2.8	159
3	A bioresponsive hydrogel tuned to chondrogenesis of human mesenchymal stem cells. <i>FASEB Journal</i> , 2011, 25, 1486-1496.	0.5	110
4	Dynamic Mechanical Compression of Chondrocytes for Tissue Engineering: A Critical Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017, 5, 76.	4.1	84
5	Alterations in acute myeloid leukaemia bone marrow stromal cell exosome content coincide with gains in tyrosine kinase inhibitor resistance. <i>British Journal of Haematology</i> , 2016, 172, 983-986.	2.5	71
6	The Importance of Physioxia in Mesenchymal Stem Cell Chondrogenesis and the Mechanisms Controlling Its Response. <i>International Journal of Molecular Sciences</i> , 2019, 20, 484.	4.1	56
7	Physioxia Promotes the Articular Chondrocyte-Like Phenotype in Human Chondroprogenitor-Derived Self-Organized Tissue. <i>Tissue Engineering - Part A</i> , 2018, 24, 264-274.	3.1	48
8	Responses to altered oxygen tension are distinct between human stem cells of high and low chondrogenic capacity. <i>Stem Cell Research and Therapy</i> , 2016, 7, 154.	5.5	47
9	Curcumin-primed human BMSC-derived extracellular vesicles reverse IL-1 β -induced catabolic responses of OA chondrocytes by upregulating miR-126-3p. <i>Stem Cell Research and Therapy</i> , 2021, 12, 252.	5.5	47
10	Physioxia Has a Beneficial Effect on Cartilage Matrix Production in Interleukin-1 Beta-Inhibited Mesenchymal Stem Cell Chondrogenesis. <i>Cells</i> , 2019, 8, 936.	4.1	29
11	Hypoxia-inducible factor 3 α expression is associated with the stable chondrocyte phenotype. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1561-1570.	2.3	27
12	Physioxia Expanded Bone Marrow Derived Mesenchymal Stem Cells Have Improved Cartilage Repair in an Early Osteoarthritic Focal Defect Model. <i>Biology</i> , 2020, 9, 230.	2.8	16
13	A quantitative serum biomarker of circulating collagen X effectively correlates with endochondral fracture healing. <i>Journal of Orthopaedic Research</i> , 2021, 39, 53-62.	2.3	16
14	Multi-Disciplinary Approaches for Cell-Based Cartilage Regeneration. <i>Journal of Orthopaedic Research</i> , 2020, 38, 463-472.	2.3	14
15	Use of MicroRNA biomarkers to distinguish enchondroma from low-grade chondrosarcoma. <i>Connective Tissue Research</i> , 2017, 58, 155-161.	2.3	10
16	Norms for Clinical Use of CXM, a Real-Time Marker of Height Velocity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e255-e264.	3.6	10
17	Predicting and Promoting Human Bone Marrow MSC Chondrogenesis by Way of TGF β Receptor Profiles: Toward Personalized Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 618.	4.1	9
18	Substance P and Alpha-Calcitonin Gene-Related Peptide Differentially Affect Human Osteoarthritic and Healthy Chondrocytes. <i>Frontiers in Immunology</i> , 2021, 12, 722884.	4.8	8

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19	Fibronectin Adherent Cell Populations Derived From Avascular and Vascular Regions of the Meniscus Have Enhanced Clonogenicity and Differentiation Potential Under Physioxia. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 789621.	4.1	8
20	A Comparative Evaluation of Commercially Available Cell-Based Allografts in a Rat Spinal Fusion Model. <i>International Journal of Spine Surgery</i> , 2020, 14, 213-221.	1.5	7
21	Cell Sources for Cartilage Tissue Engineering. , 2006, , 83-111.		6
22	Mesenchymal Stem Cell Based Regenerative Treatment of the Knee: From Basic Science to Clinics. <i>Stem Cells International</i> , 2019, 2019, 1-1.	2.5	4
23	Collagen X Marker Levels are Decreased in Individuals with Achondroplasia. <i>Calcified Tissue International</i> , 2022, 111, 66-72.	3.1	4
24	Collagen X Longitudinal Fracture Biomarker Suggests Staged Fixation in Tibial Plateau Fractures Delays Rate of Endochondral Repair. <i>Journal of Orthopaedic Trauma</i> , 2022, 36, S32-S39.	1.4	1