Brian Johnstone

List of Publications by Year
in descending order

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	Collagen X Longitudinal Fracture Biomarker Suggests Staged Fixation in Tibial Plateau Fractures Delays Rate of Endochondral Repair. Journal of Orthopaedic Trauma, 2022, 36, S32-S39.	1.4	1
2	Collagen X Marker Levels are Decreased in Individuals with Achondroplasia. Calcified Tissue International, 2022, 111, 66-72.	3.1	4
3	A quantitative serum biomarker of circulating collagen X effectively correlates with endochondral fracture healing. Journal of Orthopaedic Research, 2021, 39, 53-62.	2.3	16
4	Norms for Clinical Use of CXM, a Real-Time Marker of Height Velocity. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e255-e264.	3.6	10
5	Curcumin-primed human BMSC-derived extracellular vesicles reverse IL-1Î²-induced catabolic responses of OA chondrocytes by upregulating miR-126-3p. Stem Cell Research and Therapy, 2021, 12, 252.	5.5	47
6	Substance P and Alpha-Calcitonin Gene-Related Peptide Differentially Affect Human Osteoarthritic and Healthy Chondrocytes. Frontiers in Immunology, 2021, 12, 722884.	4.8	8
7	Fibronectin Adherent Cell Populations Derived From Avascular and Vascular Regions of the Meniscus Have Enhanced Clonogenicity and Differentiation Potential Under Physioxia. Frontiers in Bioengineering and Biotechnology, 2021, 9, 789621.	4.1	8
8	Multiâ€Disciplinary Approaches for Cellâ€Based Cartilage Regeneration. Journal of Orthopaedic Research, 2020, 38, 463-472.	2.3	14
9	Physioxia Expanded Bone Marrow Derived Mesenchymal Stem Cells Have Improved Cartilage Repair in an Early Osteoarthritic Focal Defect Model. Biology, 2020, 9, 230.	2.8	16
10	Predicting and Promoting Human Bone Marrow MSC Chondrogenesis by Way of TGFÎ² Receptor Profiles: Toward Personalized Medicine. Frontiers in Bioengineering and Biotechnology, 2020, 8, 618.	4.1	9
11	A Comparative Evaluation of Commercially Available Cell-Based Allografts in a Rat Spinal Fusion Model. International Journal of Spine Surgery, 2020, 14, 213-221.	1.5	7
12	Physioxia Has a Beneficial Effect on Cartilage Matrix Production in Interleukin-1 Beta-Inhibited Mesenchymal Stem Cell Chondrogenesis. Cells, 2019, 8, 936.	4.1	29
13	Mesenchymal Stem Cell Based Regenerative Treatment of the Knee: From Basic Science to Clinics. Stem Cells International, 2019, 2019, 1-1.	2.5	4
14	The Importance of Physioxia in Mesenchymal Stem Cell Chondrogenesis and the Mechanisms Controlling Its Response. International Journal of Molecular Sciences, 2019, 20, 484.	4.1	56
15	Physioxia Promotes the Articular Chondrocyte-Like Phenotype in Human Chondroprogenitor-Derived Self-Organized Tissue. Tissue Engineering - Part A, 2018, 24, 264-274.	3.1	48
16	Use of MicroRNA biomarkers to distinguish enchondroma from low-grade chondrosarcoma. Connective Tissue Research, 2017, 58, 155-161.	2.3	10
17	Dynamic Mechanical Compression of Chondrocytes for Tissue Engineering: A Critical Review. Frontiers in Bioengineering and Biotechnology, 2017, 5, 76.	4.1	84
18	Alterations in acute myeloid leukaemia bone marrow stromal cell exosome content coincide with gains in tyrosine kinase inhibitor resistance. British Journal of Haematology, 2016, 172, 983-986.	2.5	71

#	Article	IF	Citations
19	Responses to altered oxygen tension are distinct between human stem cells of high and low chondrogenic capacity. Stem Cell Research and Therapy, 2016, 7, 154.	5.5	47
20	Hypoxiaâ€inducible factor 3â€alpha expression is associated with the stable chondrocyte phenotype. Journal of Orthopaedic Research, 2015, 33, 1561-1570.	2.3	27
21	Stem Cellâ€“Derived Endochondral Cartilage Stimulates Bone Healing by Tissue Transformation. Journal of Bone and Mineral Research, 2014, 29, 1269-1282.	2.8	159
22	A bioresponsive hydrogel tuned to chondrogenesis of human mesenchymal stem cells. FASEB Journal, 2011, 25, 1486-1496.	0.5	110
23	Cell Sources for Cartilage Tissue Engineering. , 2006, , 83-111.		6
24	In VitroChondrogenesis of Bone Marrow-Derived Mesenchymal Progenitor Cells. Experimental Cell Research, 1998, 238, 265-272.	2.6	2,169