

Meadhbh A•Brennan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

8,864
citations

331259

21
h-index

525886

27
g-index

27
all docs

27
docs citations

27
times ranked

14523
citing authors

#	ARTICLE	IF	CITATIONS
1	Chondrogenic and BMP-4 primings confer osteogenesis potential to human cord blood mesenchymal stromal cells delivered with biphasic calcium phosphate ceramics. <i>Scientific Reports</i> , 2021, 11, 6751.	1.6	4
2	Apoptotic mesenchymal stromal cells support osteoclastogenesis while inhibiting multinucleated giant cells formation in vitro. <i>Scientific Reports</i> , 2021, 11, 12144.	1.6	6
3	Evaluation of the Chemotherapy Drug Response Using Organotypic Cultures of Osteosarcoma Tumours from Mice Models and Canine Patients. <i>Cancers</i> , 2021, 13, 4890.	1.7	5
4	Biomimetic versus sintered macroporous calcium phosphate scaffolds enhanced bone regeneration and human mesenchymal stromal cell engraftment in calvarial defects. <i>Acta Biomaterialia</i> , 2021, 135, 689-704.	4.1	13
5	In situ production of pre-vascularized synthetic bone grafts for regenerating critical-sized defects in rabbits. <i>Acta Biomaterialia</i> , 2020, 114, 384-394.	4.1	30
6	Biomaterials Functionalized with MSC Secreted Extracellular Vesicles and Soluble Factors for Tissue Regeneration. <i>Advanced Functional Materials</i> , 2020, 30, 1909125.	7.8	204
7	Reconstruction of Large Skeletal Defects: Current Clinical Therapeutic Strategies and Future Directions Using 3D Printing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 61.	2.0	109
8	Regeneration of segmental defects in metatarsus of sheep with vascularized and customized 3D-printed calcium phosphate scaffolds. <i>Scientific Reports</i> , 2020, 10, 7068.	1.6	51
9	A Developmental Engineering-Based Approach to Bone Repair: Endochondral Priming Enhances Vascularization and New Bone Formation in a Critical Size Defect. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 230.	2.0	22
10	Advances in therapeutic applications of extracellular vesicles. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	595
11	Immune Modulation by Transplanted Calcium Phosphate Biomaterials and Human Mesenchymal Stromal Cells in Bone Regeneration. <i>Frontiers in Immunology</i> , 2019, 10, 663.	2.2	83
12	Injectable shear-thinning hydrogels for delivering osteogenic and angiogenic cells and growth factors. <i>Biomaterials Science</i> , 2018, 6, 1604-1615.	2.6	59
13	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1535750.	5.5	6,961
14	Inferior In Vivo Osteogenesis and Superior Angiogenesis of Human Adipose-Derived Stem Cells Compared with Bone Marrow-Derived Stem Cells Cultured in Xeno-Free Conditions. <i>Stem Cells Translational Medicine</i> , 2017, 6, 2160-2172.	1.6	67
15	Mimicking the Biochemical and Mechanical Extracellular Environment of the Endochondral Ossification Process to Enhance the <i>In Vitro</i> Mineralization Potential of Human Mesenchymal Stem Cells. <i>Tissue Engineering - Part A</i> , 2017, 23, 1466-1478.	1.6	16
16	Bone regeneration strategies with bone marrow stromal cells in orthopaedic surgery. <i>Current Research in Translational Medicine</i> , 2016, 64, 83-90.	1.2	68
17	Bone Like Arterial Calcification in Femoral Atherosclerotic Lesions: Prevalence and Role of Osteoprotegerin and Pericytes. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016, 51, 259-267.	0.8	49
18	Mesenchymal stem cells increase proliferation but do not change quiescent state of osteosarcoma cells: Potential implications according to the tumor resection status. <i>Journal of Bone Oncology</i> , 2016, 5, 5-14.	1.0	27

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19	3D cell culture and osteogenic differentiation of human bone marrow stromal cells plated onto jet-sprayed or electrospun micro-fiber scaffolds. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 045019.	1.7	46
20	Osteoprotegerin, Pericytes and Bone-Like Vascular Calcification Are Associated with Carotid Plaque Stability. <i>PLoS ONE</i> , 2014, 9, e107642.	1.1	47
21	Estrogen Withdrawal from Osteoblasts and Osteocytes Causes Increased Mineralization and Apoptosis. <i>Hormone and Metabolic Research</i> , 2014, 46, 537-545.	0.7	32
22	Cell morphology and focal adhesion location alters internal cell stress. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140885.	1.5	39
23	Effects of ageing, prolonged estrogen deficiency and zoledronate on bone tissue mineral distribution. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 29, 161-170.	1.5	29
24	Bone tissue formation with human mesenchymal stem cells and biphasic calcium phosphate ceramics: The local implication of osteoclasts and macrophages. <i>Biomaterials</i> , 2014, 35, 9660-9667.	5.7	133
25	Pre-clinical studies of bone regeneration with human bone marrow stromal cells and biphasic calcium phosphate. <i>Stem Cell Research and Therapy</i> , 2014, 5, 114.	2.4	100
26	Incidence and the Clinical Impact of Stent Fractures after Primary Stenting for TASC C and D Femoropopliteal Lesions at 1 Year. <i>European Journal of Vascular and Endovascular Surgery</i> , 2013, 46, 201-212.	0.8	46