

Meadhbh Brennan

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.

25
papers

4,758
citations

18
h-index

27
g-index

27
ext. papers

6,915
ext. citations

6.8
avg, IF

4.99
L-index

#	Paper	IF	Citations
25	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	16.4	3642
24	Advances in therapeutic applications of extracellular vesicles. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	343
23	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, 9660-7	15.6	96
22	Biomaterials functionalized with MSC secreted extracellular vesicles and soluble factors for tissue regeneration. <i>Advanced Functional Materials</i> , 2020 , 30, 1909125	15.6	78
21	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	8.3	76
20	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	6.9	49
19	Bone regeneration strategies with bone marrow stromal cells in orthopaedic surgery. <i>Current Research in Translational Medicine</i> , 2016 , 64, 83-90	3.7	48
18	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	5.8	47
17	Injectable shear-thinning hydrogels for delivering osteogenic and angiogenic cells and growth factors. <i>Biomaterials Science</i> , 2018 , 6, 1604-1615	7.4	44
16	Immune Modulation by Transplanted Calcium Phosphate Biomaterials and Human Mesenchymal Stromal Cells in Bone Regeneration. <i>Frontiers in Immunology</i> , 2019 , 10, 663	8.4	42
15	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	3.5	39
14	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, 259-67 ^{2,3}		35
13	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, 201-12 ³		34
12	Osteoprotegerin, pericytes and bone-like vascular calcification are associated with carotid plaque stability. <i>PLoS ONE</i> , 2014 , 9, e107642	3.7	30
11	Estrogen withdrawal from osteoblasts and osteocytes causes increased mineralization and apoptosis. <i>Hormone and Metabolic Research</i> , 2014 , 46, 537-45	3.1	27
10	Cell morphology and focal adhesion location alters internal cell stress. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20140885	4.1	26
9	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, 161-70	4.1	26

8	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	4.5	22
7	Regeneration of segmental defects in metatarsus of sheep with vascularized and customized 3D-printed calcium phosphate scaffolds. <i>Scientific Reports</i> , 2020 , 10, 7068	4.9	13
6	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	5.8	12
5	Mimicking the Biochemical and Mechanical Extracellular Environment of the Endochondral Ossification Process to Enhance the In Vitro Mineralization Potential of Human Mesenchymal Stem Cells. <i>Tissue Engineering - Part A</i> , 2017 , 23, 1466-1478	3.9	11
4	In situ production of pre-vascularized synthetic bone grafts for regenerating critical-sized defects in rabbits. <i>Acta Biomaterialia</i> , 2020 , 114, 384-394	10.8	10
3	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	4.9	2
2	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	10.8	1
1	Apoptotic mesenchymal stromal cells support osteoclastogenesis while inhibiting multinucleated giant cells formation in vitro. <i>Scientific Reports</i> , 2021 , 11, 12144	4.9	0