

Owen G Davies

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

607
citations

686830

13
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

1176
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of the in vitro mineralisation and dentinogenic potential of mesenchymal stem cells derived from adipose tissue, bone marrow and dental pulp. <i>Journal of Bone and Mineral Metabolism</i> , 2015, 33, 371-382.	1.3	99
2	The effects of cryopreservation on cells isolated from adipose, bone marrow and dental pulp tissues. <i>Cryobiology</i> , 2014, 69, 342-347.	0.3	69
3	A call for the standardised reporting of factors affecting the exogenous loading of extracellular vesicles with therapeutic cargos. <i>Advanced Drug Delivery Reviews</i> , 2021, 173, 479-491.	6.6	68
4	Probiotics: current landscape and future horizons. <i>Future Science OA</i> , 2019, 5, FSO391.	0.9	52
5	Isolation of adipose and bone marrow mesenchymal stem cells using CD29 and CD90 modifies their capacity for osteogenic and adipogenic differentiation. <i>Journal of Tissue Engineering</i> , 2015, 6, 204173141559235.	2.3	41
6	The role of extracellular vesicles in biomineralisation: current perspective and application in regenerative medicine. <i>Journal of Tissue Engineering</i> , 2018, 9, 204173141881013.	2.3	40
7	Epigenetic reprogramming enhances the therapeutic efficacy of osteoblast-derived extracellular vesicles to promote human bone marrow stem cell osteogenic differentiation. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12118.	5.5	34
8	Identifying the Cellular Mechanisms Leading to Heterotopic Ossification. <i>Calcified Tissue International</i> , 2015, 97, 432-444.	1.5	33
9	Mesenchymal stem cell-derived extracellular vesicles may promote breast cancer cell dormancy. <i>Journal of Tissue Engineering</i> , 2018, 9, 204173141881009.	2.3	32
10	Physical Structuring of Injectable Polymeric Systems to Controllably Deliver Nanosized Extracellular Vesicles. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801604.	3.9	27
11	Osteoblast-Derived Vesicle Protein Content Is Temporally Regulated During Osteogenesis: Implications for Regenerative Therapies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 92.	2.0	24
12	Defining the Balance between Regeneration and Pathological Ossification in Skeletal Muscle Following Traumatic Injury. <i>Frontiers in Physiology</i> , 2017, 8, 194.	1.3	23
13	PDGF is a potent initiator of bone formation in a tissue engineered model of pathological ossification. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e355-e367.	1.3	17
14	Development of a Bone-Mimetic 3D Printed Ti6Al4V Scaffold to Enhance Osteoblast-Derived Extracellular Vesicles™ Therapeutic Efficacy for Bone Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 757220.	2.0	15
15	Interfacial Mineral Fusion and Tubule Entanglement as a Means to Harden a Bone Augmentation Material. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701166.	3.9	12
16	Gut microbial metabolites as mediators of renal disease: do short-chain fatty acids offer some hope?. <i>Future Science OA</i> , 2019, 5, FSO384.	0.9	12
17	Spectroscopic profiling variations in extracellular vesicle biochemistry in a model of myogenesis. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142110220.	2.3	3
18	Considerations for the bioprocessing, manufacture and translation of extracellular vesicles for therapeutic and diagnostic applications. <i>Cell & Gene Therapy Insights</i> , 2017, 3, 683-694.	0.1	3