Robert Owen

List of Publications by Year
in descending order

19	642	840776 11	839539 18
papers	citations	h-index	g-index

19	19	19	939
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In vitro Models of Bone Remodelling and Associated Disorders. Frontiers in Bioengineering and Biotechnology, 2018, 6, 134.	4.1	130
2	Emulsion templated scaffolds with tunable mechanical properties for bone tissue engineering. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 54, 159-172.	3.1	99
3	Photocurable high internal phase emulsions (HIPEs) containing hydroxyapatite for additive manufacture of tissue engineering scaffolds with multi-scale porosity. Materials Science and Engineering C, 2016, 67, 51-58.	7.3	55
4	Inhibition of BET proteins and epigenetic signaling as a potential treatment for osteoporosis. Bone, 2017, 94, 10-21.	2.9	51
5	Synthesis, Characterization and 3D Micro-Structuring via 2-Photon Polymerization of Poly(glycerol) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	50
6	Design and Assessment of a Dynamic Perfusion Bioreactor for Large Bone Tissue Engineering Scaffolds. Applied Biochemistry and Biotechnology, 2018, 185, 555-563.	2.9	43
7	Composite porous scaffold of PEG/PLA support improved bone matrix deposition in vitro compared to PLAâ€only scaffolds. Journal of Biomedical Materials Research - Part A, 2018, 106, 1334-1340.	4.0	43
8	Design and Evaluation of an Osteogenesis-on-a-Chip Microfluidic Device Incorporating 3D Cell Culture. Frontiers in Bioengineering and Biotechnology, 2020, 8, 557111.	4.1	41
9	Light-based additive manufacturing of PolyHIPEs: Controlling the surface porosity for 3D cell culture applications. Materials and Design, 2018, 156, 494-503.	7.0	33
10	Combined Porogen Leaching and Emulsion Templating to produce Bone Tissue Engineering Scaffolds. International Journal of Bioprinting, 2020, 6, 265.	3.4	20
11	TGFÎ² Inhibition Stimulates Collagen Maturation to Enhance Bone Repair and Fracture Resistance in a Murine Myeloma Model. Journal of Bone and Mineral Research, 2019, 34, 2311-2326.	2.8	14
12	Comparison of the Anabolic Effects of Reported Osteogenic Compounds on Human Mesenchymal Progenitor-Derived Osteoblasts. Bioengineering, 2020, 7, 12.	3.5	13
13	Non-invasive prediction of the mouse tibia mechanical properties from microCT images: comparison between different finite element models. Biomechanics and Modeling in Mechanobiology, 2021, 20, 941-955.	2.8	13
14	Early life vitamin D depletion alters the postnatal response to skeletal loading in growing and mature bone. PLoS ONE, 2018, 13, e0190675.	2.5	11
15	Data for the analysis of PolyHIPE scaffolds with tunable mechanical properties for bone tissue engineering. Data in Brief, 2015, 5, 616-620.	1.0	9
16	Effect of Ti6Al4V surface morphology on the osteogenic differentiation of human embryonic stem cells. Journal of Materials Research, 2017, 32, 3811-3821.	2.6	6
17	Effect of sterilization processes on nanostructured Ti6Al4V surfaces obtained by electropolishing. Journal of Materials Research, 2019, 34, 1439-1446.	2.6	4
18	Mineralizing Coating on 3D Printed Scaffolds for the Promotion of Osseointegration. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	4

#	Article	IF	Citations
19	Early life vitamin D depletion and mechanical loading determine methylation changes in the RUNX2, RXRA, and osterix promoters in mice. Genes and Nutrition, 2022, 17, .	2.5	3