

# Robert Owen

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

642  
citations

840776

11  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

939  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early life vitamin D depletion and mechanical loading determine methylation changes in the RUNX2, RXRA, and osterix promoters in mice. <i>Genes and Nutrition</i> , 2022, 17, .	2.5	3
2	Non-invasive prediction of the mouse tibia mechanical properties from microCT images: comparison between different finite element models. <i>Biomechanics and Modeling in Mechanobiology</i> , 2021, 20, 941-955.	2.8	13
3	Design and Evaluation of an Osteogenesis-on-a-Chip Microfluidic Device Incorporating 3D Cell Culture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 557111.	4.1	41
4	Comparison of the Anabolic Effects of Reported Osteogenic Compounds on Human Mesenchymal Progenitor-Derived Osteoblasts. <i>Bioengineering</i> , 2020, 7, 12.	3.5	13
5	Combined Porogen Leaching and Emulsion Templating to produce Bone Tissue Engineering Scaffolds. <i>International Journal of Bioprinting</i> , 2020, 6, 265.	3.4	20
6	TGF $\beta$ 2 Inhibition Stimulates Collagen Maturation to Enhance Bone Repair and Fracture Resistance in a Murine Myeloma Model. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 2311-2326.	2.8	14
7	Effect of sterilization processes on nanostructured Ti6Al4V surfaces obtained by electropolishing. <i>Journal of Materials Research</i> , 2019, 34, 1439-1446.	2.6	4
8	Design and Assessment of a Dynamic Perfusion Bioreactor for Large Bone Tissue Engineering Scaffolds. <i>Applied Biochemistry and Biotechnology</i> , 2018, 185, 555-563.	2.9	43
9	Composite porous scaffold of PEG/PLA support improved bone matrix deposition <i>in vitro</i> compared to PLA-only scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1334-1340.	4.0	43
10	In vitro Models of Bone Remodelling and Associated Disorders. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 134.	4.1	130
11	Light-based additive manufacturing of PolyHIPEs: Controlling the surface porosity for 3D cell culture applications. <i>Materials and Design</i> , 2018, 156, 494-503.	7.0	33
12	Synthesis, Characterization and 3D Micro-Structuring via 2-Photon Polymerization of Poly(glycerol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	50
13	Early life vitamin D depletion alters the postnatal response to skeletal loading in growing and mature bone. <i>PLoS ONE</i> , 2018, 13, e0190675.	2.5	11
14	Effect of Ti6Al4V surface morphology on the osteogenic differentiation of human embryonic stem cells. <i>Journal of Materials Research</i> , 2017, 32, 3811-3821.	2.6	6
15	Inhibition of BET proteins and epigenetic signaling as a potential treatment for osteoporosis. <i>Bone</i> , 2017, 94, 10-21.	2.9	51
16	Photocurable high internal phase emulsions (HIPEs) containing hydroxyapatite for additive manufacture of tissue engineering scaffolds with multi-scale porosity. <i>Materials Science and Engineering C</i> , 2016, 67, 51-58.	7.3	55
17	Emulsion templated scaffolds with tunable mechanical properties for bone tissue engineering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 54, 159-172.	3.1	99
18	Data for the analysis of PolyHIPE scaffolds with tunable mechanical properties for bone tissue engineering. <i>Data in Brief</i> , 2015, 5, 616-620.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Mineralizing Coating on 3D Printed Scaffolds for the Promotion of Osseointegration. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	4