

Kenneth Dalgarno

List of Publications by Year in descending order

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papers

761
citations

516561

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docs citations

39
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1229
citing authors

#	ARTICLE	IF	CITATIONS
1	A Chondrosphere-Based Scaffold Free Approach to Manufacture an <i>In Vitro</i> Articular Cartilage Model. <i>Tissue Engineering - Part A</i> , 2022, 28, 84-93.	1.6	7
2	Bioprinting of Cell-Laden Hydrogels onto Titanium Alloy Surfaces to Produce a Bioactive Interface. <i>Macromolecular Bioscience</i> , 2022, 22, e2200071.	2.1	3
3	Droplet-based bioprinting enables the fabrication of cell-hydrogel-microfibre composite tissue precursors. <i>Bio-Design and Manufacturing</i> , 2022, 5, 512-528.	3.9	8
4	Strategies for Enhancing Polyester-Based Materials for Bone Fixation Applications. <i>Molecules</i> , 2021, 26, 992.	1.7	19
5	Microfluidic chip fabrication and performance analysis of 3D printed material for use in microfluidic nucleic acid amplification applications. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 035005.	1.5	8
6	Microvalve Bioprinting of MSC-Chondrocyte Co-Cultures. <i>Cells</i> , 2021, 10, 3329.	1.8	0
7	3D printed Sr-containing composite scaffolds: Effect of structural design and material formulation towards new strategies for bone tissue engineering. <i>Composites Science and Technology</i> , 2020, 191, 108069.	3.8	78
8	Processing of Sr ²⁺ Containing Poly L-Lactic Acid-Based Hybrid Composites for Additive Manufacturing of Bone Scaffolds. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	8
9	High throughput physiological micro-models for in vitro pre-clinical drug testing: a review of engineering systems approaches. <i>Progress in Biomedical Engineering</i> , 2020, 2, 022001.	2.8	12
10	Reliable inkjet printing of chondrocytes and MSCs using reservoir agitation. <i>Biofabrication</i> , 2020, 12, 045024.	3.7	8
11	A Comparison of Osteoblast and Osteoclast In Vitro Co-Culture Models and Their Translation for Preclinical Drug Testing Applications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 912.	1.8	37
12	Fabrication routes via projection stereolithography for 3D-printing of microfluidic geometries for nucleic acid amplification. <i>PLoS ONE</i> , 2020, 15, e0240237.	1.1	11
13	Title is missing!. , 2020, 15, e0240237.		0
14	Title is missing!. , 2020, 15, e0240237.		0
15	Title is missing!. , 2020, 15, e0240237.		0
16	Title is missing!. , 2020, 15, e0240237.		0
17	Title is missing!. , 2020, 15, e0240237.		0
18	Title is missing!. , 2020, 15, e0240237.		0

#	ARTICLE	IF	CITATIONS
19	Short phosphate glass fiber - PLLA composite to promote bone mineralization. <i>Materials Science and Engineering C</i> , 2019, 104, 109929.	3.8	14
20	Osteogenic potential of heterogeneous and CD271-enriched mesenchymal stromal cells cultured on apatite-wollastonite 3D scaffolds. <i>BMC Biomedical Engineering</i> , 2019, 1, 16.	1.7	6
21	Osteoinduction of 3D printed particulate and short-fibre reinforced composites produced using PLLA and apatite-wollastonite. <i>Composites Science and Technology</i> , 2019, 184, 107834.	3.8	18
22	The interplay between chondrocyte spheroids and mesenchymal stem cells boosts cartilage regeneration within a 3D natural-based hydrogel. <i>Scientific Reports</i> , 2019, 9, 14630.	1.6	31
23	Cost-effective microvalve-assisted bioprinter for tissue engineering. <i>Bioprinting</i> , 2019, 13, e00043.	2.9	12
24	Mesenchymal stromal cells for bone sarcoma treatment: Roadmap to clinical practice. <i>Journal of Bone Oncology</i> , 2019, 16, 100231.	1.0	26
25	Reactive jet impingement bioprinting of high cell density gels for bone microtissue fabrication. <i>Biofabrication</i> , 2019, 11, 015014.	3.7	26
26	Osseointegration of porous apatite-wollastonite and poly(lactic acid) composite structures created using 3D printing techniques. <i>Materials Science and Engineering C</i> , 2018, 90, 1-7.	3.8	31
27	Assessment of Migration of Human MSCs through Fibrin Hydrogels as a Tool for Formulation Optimisation. <i>Materials</i> , 2018, 11, 1781.	1.3	24
28	Multi-compartment scaffold fabricated via 3D-printing as in vitro co-culture osteogenic model. <i>Scientific Reports</i> , 2018, 8, 15130.	1.6	30
29	Development of multisubstituted hydroxyapatite nanopowders as biomedical materials for bone tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1775-1785.	2.1	26
30	Centrifugally spun PHBV micro and nanofibres. <i>Materials Science and Engineering C</i> , 2017, 76, 190-195.	3.8	28
31	TNF-related apoptosis-inducing ligand (TRAIL) for bone sarcoma treatment: Pre-clinical and clinical data. <i>Cancer Letters</i> , 2017, 409, 66-80.	3.2	32
32	Polyelectrolyte multi-layers assembly of SiCHA nanopowders and collagen type I on aminolysed PLA films to enhance cell-material interactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 445-453.	2.5	19
33	Manufacture and Characterisation of Porous PLA Scaffolds. <i>Procedia CIRP</i> , 2016, 49, 33-38.	1.0	58
34	Fatigue behaviour of laser sintered Nylon 12 in rotating and reversed bending tests. <i>Materials Science and Technology</i> , 2015, 31, 904-911.	0.8	12
35	Personalized foot orthoses with embedded temperature sensing: Proof of concept and relationship with activity. <i>Medical Engineering and Physics</i> , 2014, 36, 9-15.	0.8	8
36	An experimental investigation on micro machining of fine-grained graphite. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 72, 943-953.	1.5	26

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37	Densification mechanism and microstructural evolution in selective laser sintering of Al ¹² Si powders. Journal of Materials Processing Technology, 2011, 211, 113-121.	3.1	131