

Athina E Markaki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3479980/publications.pdf>

Version: 2024-02-01

25
papers

936
citations

623734

14
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

1694
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction of the mouse extrahepatic biliary tree using primary human extrahepatic cholangiocyte organoids. <i>Nature Medicine</i> , 2017, 23, 954-963.	30.7	210
2	The influence of nanostructured features on bacterial adhesion and bone cell functions on severely shot peened 316L stainless steel. <i>Biomaterials</i> , 2015, 73, 185-197.	11.4	198
3	Magneto-mechanical stimulation of bone growth in a bonded array of ferromagnetic fibres. <i>Biomaterials</i> , 2004, 25, 4805-4815.	11.4	69
4	Isolation and propagation of primary human cholangiocyte organoids for the generation of bioengineered biliary tissue. <i>Nature Protocols</i> , 2019, 14, 1884-1925.	12.0	67
5	Albumin-based hydrogels for regenerative engineering and cell transplantation. <i>Biotechnology and Bioengineering</i> , 2019, 116, 3457-3468.	3.3	64
6	Effect of microgrooved surface topography on osteoblast maturation and protein adsorption. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2689-2700.	4.0	48
7	A novel biomimetic design of a 3D vascular structure for self-healing in cementitious materials using Murray's law. <i>Materials and Design</i> , 2020, 190, 108572.	7.0	47
8	Osteoblast and monocyte responses to 444 ferritic stainless steel intended for a Magneto-Mechanically Actuated Fibrous Scaffold. <i>Biomaterials</i> , 2011, 32, 6883-6892.	11.4	31
9	Multi-casting approach for vascular networks in cellularized hydrogels. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160768.	3.4	25
10	Effect of Rotation on Scaffold Motion and Cell Growth in Rotating Bioreactors. <i>Tissue Engineering - Part A</i> , 2017, 23, 522-534.	3.1	22
11	Feasibility of Using 3D Printed Polyvinyl Alcohol (PVA) for Creating Self-Healing Vascular Tunnels in Cement System. <i>Materials</i> , 2019, 12, 3872.	2.9	22
12	Biomimetic and electroactive 3D scaffolds for human neural crest-derived stem cell expansion and osteogenic differentiation. <i>MRS Communications</i> , 2020, 10, 179-187.	1.8	19
13	Advances in the generation of bioengineered bile ducts. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1532-1538.	3.8	17
14	A vascularized tumoroid model for human glioblastoma angiogenesis. <i>Scientific Reports</i> , 2021, 11, 19550.	3.3	17
15	Albumin-Enriched Fibrin Hydrogel Embedded in Active Ferromagnetic Networks Improves Osteoblast Differentiation and Vascular Self-Organisation. <i>Polymers</i> , 2019, 11, 1743.	4.5	13
16	Functionalisation of a heat-derived and bio-inert albumin hydrogel with extracellular matrix by air plasma treatment. <i>Scientific Reports</i> , 2020, 10, 12429.	3.3	13
17	Short-term <i>in vitro</i> responses of human peripheral blood monocytes to ferritic stainless steel fiber networks. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1456-1463.	4.0	11
18	Stimulation of Human Osteoblast Differentiation in Magneto-Mechanically Actuated Ferromagnetic Fiber Networks. <i>Journal of Clinical Medicine</i> , 2019, 8, 1522.	2.4	10

#	ARTICLE	IF	CITATIONS
19	Physical and Biological Characterization of Ferromagnetic Fiber Networks: Effect of Fibrin Deposition on Short-Term <i>In Vitro</i> Responses of Human Osteoblasts. <i>Tissue Engineering - Part A</i> , 2015, 21, 463-474.	3.1	9
20	3D Printable Vascular Networks Generated by Accelerated Constrained Constructive Optimization for Tissue Engineering. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1650-1663.	4.2	8
21	Spatial heterogeneity of cell-matrix adhesive forces predicts human glioblastoma migration. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa081.	0.7	6
22	Surface terracing on ferritic stainless-steel fibres and potential relevance to <i>in vitro</i> cell growth. <i>Philosophical Magazine</i> , 2009, 89, 2285-2303.	1.6	5
23	Human Mesenchymal Stem Cell Response to 444 Ferritic Stainless Steel Networks. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1569, 73-78.	0.1	3
24	In Vitro Human Osteoblast Responses to Titanium Oxide-Based Surfaces with Varying Topology and Composition. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1187, 68.	0.1	1
25	Short-term Cytotoxic and Inflammatory Responses of Human Monocytes to Stainless Steel Fibre Networks. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1417, 63.	0.1	0