

Alicia J El Haj

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,557
citations

331538

21
h-index

302012

39
g-index

46
all docs

46
docs citations

46
times ranked

2759
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrostatic pressure promotes chondrogenic differentiation and microvesicle release from human embryonic and bone marrow stem cells. <i>Biotechnology Journal</i> , 2022, 17, e2100401.	1.8	12
2	Remotely Actuated Magnetic Nanocarpets for Bone Tissue Engineering: Non-Invasive Modulation of Mechanosensitive Ion Channels for Enhanced Osteogenesis. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	8
3	Regenerative medicine meets mathematical modelling: developing symbiotic relationships. <i>Npj Regenerative Medicine</i> , 2021, 6, 24.	2.5	31
4	Short-Term Evaluation of Cellular Fate in an Ovine Bone Formation Model. <i>Cells</i> , 2021, 10, 1776.	1.8	3
5	Predicting Bone Formation in Mesenchymal Stromal Cell-Seeded Hydrogels Using Experiment-Based Mathematical Modeling. <i>Tissue Engineering - Part A</i> , 2020, 26, 1014-1023.	1.6	3
6	Ultra Short Echo Time MRI of Iron-Labelled Mesenchymal Stem Cells in an Ovine Osteochondral Defect Model. <i>Scientific Reports</i> , 2020, 10, 8451.	1.6	13
7	Magnetic Mechanoactivation of Wnt Signaling Augments Dopaminergic Differentiation of Neuronal Cells. <i>Advanced Biology</i> , 2019, 3, e1900091.	3.0	16
8	Regulation of endothelial cell arrangements within hMSC HUVEC co-cultured aggregates. <i>Biomedical Journal</i> , 2019, 42, 166-177.	1.4	8
9	Investigation of Conjunctival Fibrosis Response Using a 3D Glaucoma Tenon's Capsule + Conjunctival Model. , 2019, 60, 605.		17
10	<i>In vitro</i> evaluation of electrospun blends of gelatin and PCL for application as a partial thickness corneal graft. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 828-838.	2.1	21
11	Ex vivo MRI cell tracking of autologous mesenchymal stromal cells in an ovine osteochondral defect model. <i>Stem Cell Research and Therapy</i> , 2019, 10, 25.	2.4	37
12	Dynamic Culture Substrates That Mimic the Topography of the Epidermal-Dermal Junction. <i>Tissue Engineering - Part A</i> , 2019, 25, 214-223.	1.6	10
13	Key developments that impacted the field of mechanobiology and mechanotransduction. <i>Journal of Orthopaedic Research</i> , 2018, 36, 605-619.	1.2	43
14	Translation of remote control regenerative technologies for bone repair. <i>Npj Regenerative Medicine</i> , 2018, 3, 9.	2.5	28
15	Tenogenic Differentiation of Human Embryonic Stem Cells. <i>Tissue Engineering - Part A</i> , 2018, 24, 361-368.	1.6	46
16	Remote regulation of magnetic particle targeted Wnt signaling for bone tissue engineering. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 173-184.	1.7	41
17	Hydrostatic pressure in combination with topographical cues affects the fate of bone marrow-derived human mesenchymal stem cells for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 629-640.	2.1	22
18	Magnetic ion channel activation of TREK1 in human mesenchymal stem cells using nanoparticles promotes osteogenesis in surrounding cells. <i>Journal of Tissue Engineering</i> , 2018, 9, 204173141880869.	2.3	31

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19	A Perfusion Culture System for Assessing Bone Marrow Stromal Cell Differentiation on PLGA Scaffolds for Bone Repair. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 161.	2.0	19
20	The cellular magnetic response and biocompatibility of biogenic zinc- and cobalt-doped magnetite nanoparticles. <i>Scientific Reports</i> , 2017, 7, 39922.	1.6	54
21	Fluorescent Labeling of Collagen Production by Cells for Noninvasive Imaging of Extracellular Matrix Deposition. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 228-236.	1.1	6
22	Current State-of-the-Art 3D Tissue Models and Their Compatibility with Live Cell Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1035, 3-18.	0.8	17
23	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
24	Autonomous magnetic labelling of functional mesenchymal stem cells for improved traceability and spatial control in cell therapy applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2333-2348.	1.3	41
25	Therapeutic Benefit for Late, but Not Early, Passage Mesenchymal Stem Cells on Pain Behaviour in an Animal Model of Osteoarthritis. <i>Stem Cells International</i> , 2017, 2017, 1-11.	1.2	11
26	Immobilized WNT Proteins Act as a Stem Cell Niche for Tissue Engineering. <i>Stem Cell Reports</i> , 2016, 7, 126-137.	2.3	24
27	Defining a turnover index for the correlation of biomaterial degradation and cell based extracellular matrix synthesis using fluorescent tagging techniques. <i>Acta Biomaterialia</i> , 2016, 45, 133-142.	4.1	17
28	A comparative study of skin cell activities in collagen and fibrin constructs. <i>Medical Engineering and Physics</i> , 2016, 38, 854-861.	0.8	22
29	Highly efficient delivery of functional cargoes by the synergistic effect of GAG binding motifs and cell-penetrating peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E291-9.	3.3	88
30	Online monitoring of mechanical properties of three-dimensional tissue engineered constructs for quality assessment. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
31	Overcoming translational challenges – The delivery of mechanical stimuli in vivo. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 69, 162-172.	1.2	14
32	Remote Activation of the Wnt/ β -Catenin Signalling Pathway Using Functionalised Magnetic Particles. <i>PLoS ONE</i> , 2015, 10, e0121761.	1.1	56
33	In Vivo Assessment of Bone Regeneration in Alginate/Bone ECM Hydrogels with Incorporated Skeletal Stem Cells and Single Growth Factors. <i>PLoS ONE</i> , 2015, 10, e0145080.	1.1	67
34	An <i>in vitro</i> model of mesenchymal stem cell targeting using magnetic particle labelling. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 724-733.	1.3	29
35	Gelatin-Based Materials in Ocular Tissue Engineering. <i>Materials</i> , 2014, 7, 3106-3135.	1.3	248
36	Hydrogels for lung tissue engineering: Biomechanical properties of thin collagen-elastin constructs. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 38, 251-259.	1.5	51

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37	Control of smooth muscle α -actin (SMA) up-regulation in HBMSCs using remote magnetic particle mechano-activation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 45-55.	1.7	43
38	Remotely Activated Mechanotransduction via Magnetic Nanoparticles Promotes Mineralization Synergistically With Bone Morphogenetic Protein 2: Applications for Injectable Cell Therapy. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1363-1374.	1.6	79
39	Whole body tracking of superparamagnetic iron oxide nanoparticle-labelled cells in a rheumatoid arthritis mouse model. <i>Stem Cell Research and Therapy</i> , 2013, 4, 126.	2.4	57
40	Control of Scar Tissue Formation in the Cornea: Strategies in Clinical and Corneal Tissue Engineering. <i>Journal of Functional Biomaterials</i> , 2012, 3, 642-687.	1.8	80
41	Chemical and Topographical Effects on Cell Differentiation and Matrix Elasticity in a Corneal Stromal Layer Model. <i>Advanced Functional Materials</i> , 2012, 22, 3641-3649.	7.8	80
42	Mechanical manipulation of bone and cartilage cells with "optical tweezers". <i>FEBS Letters</i> , 1999, 459, 39-42.	1.3	40