

Ronke M Olabisi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35 papers	772 citations	16 h-index	27 g-index
41 ext. papers	880 ext. citations	4.7 avg, IF	4.47 L-index

#	Paper	IF	Citations
35	Biomanufacturing for clinically advanced cell therapies. <i>Nature Biomedical Engineering</i> , 2018 , 2, 362-376	19	86
34	Cell microencapsulation with synthetic polymers. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 846-59	5.4	81
33	Architecture of columnar nacre, and implications for its formation mechanism. <i>Physical Review Letters</i> , 2007 , 98, 268102	7.4	75
32	M1/70 attenuates blood-borne neutrophil oxidants, activation, and myofiber damage following stretch injury. <i>Journal of Applied Physiology</i> , 2003 , 95, 969-76	3.7	64
31	Hydrogel microsphere encapsulation of a cell-based gene therapy system increases cell survival of injected cells, transgene expression, and bone volume in a model of heterotopic ossification. <i>Tissue Engineering - Part A</i> , 2010 , 16, 3727-36	3.9	51
30	Rapid healing of femoral defects in rats with low dose sustained BMP2 expression from PEGDA hydrogel microspheres. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 1597-604	3.8	43
29	Characterization and optimization of actuating poly(ethylene glycol) diacrylate/acrylic acid hydrogels as artificial muscles. <i>Polymer</i> , 2017 , 117, 331-341	3.9	36
28	Cathepsin K-sensitive poly(ethylene glycol) hydrogels for degradation in response to bone resorption. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 98, 53-62	5.4	35
27	Carotid endarterectomy in octogenarian veterans: does age affect outcome? A single-center experience. <i>American Journal of Surgery</i> , 2005 , 190, 795-9	2.7	26
26	Hydrogel Microencapsulated Insulin-Secreting Cells Increase Keratinocyte Migration, Epidermal Thickness, Collagen Fiber Density, and Wound Closure in a Diabetic Mouse Model of Wound Healing. <i>Tissue Engineering - Part A</i> , 2015 , 21, 2723-32	3.9	25
25	The influence of substrate modulus on retinal pigment epithelial cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1260-1266	5.4	24
24	An injectable method for noninvasive spine fusion. <i>Spine Journal</i> , 2011 , 11, 545-56	4	23
23	Poly(3,4-ethylenedioxythiophene) nanoparticle and poly(e-caprolactone) electrospun scaffold characterization for skeletal muscle regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 3633-41	5.4	22
22	Rapid Heterotrophic Ossification with Cryopreserved Poly(ethylene glycol-) Microencapsulated BMP2-Expressing MSCs. <i>International Journal of Biomaterials</i> , 2012 , 2012, 861794	3.2	21
21	Scaffolds for retinal pigment epithelial cell transplantation in age-related macular degeneration. <i>Journal of Tissue Engineering</i> , 2017 , 8, 2041731417720841	7.5	19
20	Cell-based gene therapy for repair of critical size defects in the rat fibula. <i>Journal of Cellular Biochemistry</i> , 2011 , 112, 1563-71	4.7	19
19	Strain and Vibration in Mesenchymal Stem Cells. <i>International Journal of Biomaterials</i> , 2018 , 2018, 8686794	3.4	14

18	Spatiotemporal Control Strategies for Bone Formation through Tissue Engineering and Regenerative Medicine Approaches. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801044	10.1	13
17	The effect of polymer molecular weight and cell seeding density on viability of cells entrapped within PEGDA hydrogel microspheres. <i>Journal of Microencapsulation</i> , 2018 , 35, 475-481	3.4	13
16	Polymeric Materials for Cell Microencapsulation. <i>Methods in Molecular Biology</i> , 2017 , 1479, 79-93	1.4	11
15	The effects of botulinum toxin A on muscle histology during distraction osteogenesis. <i>Journal of Orthopaedic Research</i> , 2009 , 27, 310-7	3.8	11
14	The effect of low-magnitude, high-frequency vibration on poly(ethylene glycol)-microencapsulated mesenchymal stem cells. <i>Journal of Tissue Engineering</i> , 2018 , 9, 2041731418800101	7.5	10
13	The biomechanical effects of limb lengthening and botulinum toxin type A on rabbit tendon. <i>Journal of Biomechanics</i> , 2010 , 43, 3177-82	2.9	9
12	Effects of botulinum toxin A on functional outcome during distraction osteogenesis. <i>Journal of Orthopaedic Research</i> , 2007 , 25, 656-64	3.8	9
11	Coencapsulation of ISCs and MSCs Enhances Viability and Function of both Cell Types for Improved Wound Healing. <i>Cellular and Molecular Bioengineering</i> , 2019 , 12, 481-493	3.9	6
10	Biomaterials for human space exploration: A review of their untapped potential. <i>Acta Biomaterialia</i> , 2021 , 128, 77-99	10.8	6
9	The Effect of Swelling Ratio on the Coulter Underestimation of Hydrogel Microsphere Diameters. <i>Tissue Engineering - Part C: Methods</i> , 2015 , 21, 1246-50	2.9	4
8	Calcein Binding to Assess Mineralization in Hydrogel Microspheres. <i>Polymers</i> , 2021 , 13,	4.5	4
7	Cell-based therapies for spinal fusion. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 760, 148-73	3.6	4
6	Activin A improves retinal pigment epithelial cell survival on stiff but not soft substrates. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2871-2880	5.4	3
5	Distraction osteogenesis-induced muscle fibrosis may not be associated with TGF- β . <i>Journal of Pediatric Orthopaedics</i> , 2011 , 31, 413-20	2.4	2
4	Development of an Electroactive Hydrogel as a Scaffold for Excitable Tissues. <i>International Journal of Biomaterials</i> , 2021 , 2021, 6669504	3.2	2
3	XANES in Nanobiology. <i>AIP Conference Proceedings</i> , 2007 ,	0	1
2	Micropatterning biomineralization with immobilized mother of pearl proteins. <i>Scientific Reports</i> , 2021 , 11, 2141	4.9	
1	Evaluation of Microfluidic Approaches to Encapsulate Cells into PEGDA Microparticles. <i>Regenerative Engineering and Translational Medicine</i> , 1	2.4	

