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The effect of low-magnitude, high-frequency vibration on poly(ethylene glycol)-microencapsulated mesenchymal stem cells

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#	Paper	IF	Citations
13	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
12	Collagen microencapsulation recapitulates mesenchymal condensation and potentiates chondrogenesis of human mesenchymal stem cells - A matrix-driven in vitro model of early skeletogenesis. <i>Biomaterials</i> , 2019 , 213, 119210	15.6	10
11	Investigation of Piezoelectricity and Resistivity of Surface Modified Barium Titanate Nanocomposites. <i>Polymers</i> , 2019 , 11,	4.5	6
10	Current advances in microsphere based cell culture and tissue engineering. <i>Biotechnology Advances</i> , 2020 , 39, 107459	17.8	15
9	Low magnitude high frequency vibrations expedite the osteogenesis of bone marrow stem cells on paper based 3D scaffolds. <i>Biomedical Engineering Letters</i> , 2020 , 10, 431-441	3.6	3
8	"All-in-One" Gel System for Whole Procedure of Stem-Cell Amplification and Tissue Engineering. <i>Small</i> , 2020 , 16, e1906539	11	13
7	Effects of Processing Parameters of 3D Bioprinting on the Cellular Activity of Bioinks. <i>Macromolecular Bioscience</i> , 2021 , 21, e2000179	5.5	17
6	Calcein Binding to Assess Mineralization in Hydrogel Microspheres. <i>Polymers</i> , 2021 , 13,	4.5	4
5	The Osteogenic Differentiation of Human Dental Pulp Stem Cells through G0/G1 Arrest and the p-ERK/Runx-2 Pathway by Sonic Vibration. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	0
4	Evaluation of Microfluidic Approaches to Encapsulate Cells into PEGDA Microparticles. <i>Regenerative Engineering and Translational Medicine</i> , 1	2.4	
3	Applicability of Low-intensity Vibrations as a Regulatory Factor on Stem and Progenitor Cell Populations. <i>Current Stem Cell Research and Therapy</i> , 2020 , 15, 391-399	3.6	2
2	Impact of Local Vibration Training on Neuromuscular Activity, Muscle Cell, and Muscle Strength: a Review. <i>Critical Reviews in Biomedical Engineering</i> , 2022 ,	1.1	0
1	Direct Differentiation of Human Embryonic Stem Cells to 3D Functional Hepatocyte-like Cells in Alginate Microencapsulation Sphere. 2022 , 11, 3134		2