Claudia Loebel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3899290/publications.pdf

Version: 2024-02-01

19 papers	1,471 citations	567281 15 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	2490 citing authors

#	Article	IF	Citations
1	Shear-thinning and self-healing hydrogels as injectable therapeutics and for 3D-printing. Nature Protocols, 2017, 12, 1521-1541.	12.0	382
2	Local nascent protein deposition and remodelling guide mesenchymal stromal cell mechanosensing and fate in three-dimensional hydrogels. Nature Materials, 2019, 18, 883-891.	27.5	273
3	Engineering Stem and Stromal Cell Therapies for Musculoskeletal Tissue Repair. Cell Stem Cell, 2018, 22, 325-339.	11.1	132
4	Genomic, epigenomic, and biophysical cues controlling the emergence of the lung alveolus. Science, 2021, 371, .	12.6	108
5	Enhanced mechanosensing of cells in synthetic 3D matrix with controlled biophysical dynamics. Nature Communications, 2021, 12, 3514.	12.8	92
6	In VitroOsteogenic Potential of Human Mesenchymal Stem Cells Is Predicted byRunx2/Sox9Ratio. Tissue Engineering - Part A, 2015, 21, 115-123.	3.1	83
7	Precise tailoring of tyramine-based hyaluronan hydrogel properties using DMTMM conjugation. Carbohydrate Polymers, 2015, 115, 325-333.	10.2	65
8	Cross-Linking Chemistry of Tyramine-Modified Hyaluronan Hydrogels Alters Mesenchymal Stem Cell Early Attachment and Behavior. Biomacromolecules, 2017, 18, 855-864.	5.4	48
9	Metabolic Labeling to Probe the Spatiotemporal Accumulation of Matrix at the Chondrocyteâ€“Hydrogel Interface. Advanced Functional Materials, 2020, 30, 1909802.	14.9	48
10	Microfabrication of Photo-Cross-Linked Hyaluronan Hydrogels by Single- and Two-Photon Tyramine Oxidation. Biomacromolecules, 2015, 16, 2624-2630.	5.4	44
11	Tailoring supramolecular guestâ€“host hydrogel viscoelasticity with covalent fibrinogen double networks. Journal of Materials Chemistry B, 2019, 7, 1753-1760.	5.8	36
12	Nuclear envelope wrinkling predicts mesenchymal progenitor cell mechano-response in 2D and 3D microenvironments. Biomaterials, 2021, 270, 120662.	11.4	33
13	Microstructured Hydrogels to Guide Selfâ€Assembly and Function of Lung Alveolospheres. Advanced Materials, 2022, 34, e2202992.	21.0	21
14	The calcification potential of human MSCs can be enhanced by interleukin-1Î²in osteogenic medium. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 564-571.	2.7	20
15	Fabrication of cell-compatible hyaluronan hydrogels with a wide range of biophysical properties through high tyramine functionalization. Journal of Materials Chemistry B, 2017, 5, 2355-2363.	5.8	20
16	Stabilization of Damaged Articular Cartilage with Hydrogelâ€Mediated Reinforcement and Sealing. Advanced Healthcare Materials, 2021, 10, 2100315.	7.6	17
17	Effect of Short-Term Stimulation with Interleukin-1Î²and Differentiation Medium on Human Mesenchymal Stromal Cell Paracrine Activity in Coculture with Osteoblasts. BioMed Research International, 2015, 2015, 1-16.	1.9	15
18	Metabolic labeling of secreted matrix to investigate cellâ€“material interactions in tissue engineering and mechanobiology. Nature Protocols, 2022, 17, 618-648.	12.0	14

#	Article	IF	Citations
19	Monitoring live human mesenchymal stromal cell differentiation and subsequent selection using fluorescent RNA-based probes. Scientific Reports, 2016, 6, 26014.	3.3	13