

# Claudia Loebel

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,471  
citations

566801

15  
h-index

794141

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic labeling of secreted matrix to investigate cell-material interactions in tissue engineering and mechanobiology. <i>Nature Protocols</i> , 2022, 17, 618-648.	5.5	14
2	Microstructured Hydrogels to Guide Self-Assembly and Function of Lung Alveolospheres. <i>Advanced Materials</i> , 2022, 34, e2202992.	11.1	21
3	Nuclear envelope wrinkling predicts mesenchymal progenitor cell mechano-response in 2D and 3D microenvironments. <i>Biomaterials</i> , 2021, 270, 120662.	5.7	33
4	Stabilization of Damaged Articular Cartilage with Hydrogel-Mediated Reinforcement and Sealing. <i>Advanced Healthcare Materials</i> , 2021, 10, 2100315.	3.9	17
5	Genomic, epigenomic, and biophysical cues controlling the emergence of the lung alveolus. <i>Science</i> , 2021, 371, .	6.0	108
6	Enhanced mechanosensing of cells in synthetic 3D matrix with controlled biophysical dynamics. <i>Nature Communications</i> , 2021, 12, 3514.	5.8	92
7	Metabolic Labeling to Probe the Spatiotemporal Accumulation of Matrix at the Chondrocyte-Hydrogel Interface. <i>Advanced Functional Materials</i> , 2020, 30, 1909802.	7.8	48
8	Tailoring supramolecular guest-host hydrogel viscoelasticity with covalent fibrinogen double networks. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1753-1760.	2.9	36
9	Local nascent protein deposition and remodelling guide mesenchymal stromal cell mechanosensing and fate in three-dimensional hydrogels. <i>Nature Materials</i> , 2019, 18, 883-891.	13.3	273
10	Engineering Stem and Stromal Cell Therapies for Musculoskeletal Tissue Repair. <i>Cell Stem Cell</i> , 2018, 22, 325-339.	5.2	132
11	The calcification potential of human MSCs can be enhanced by interleukin-1 $\beta$ in osteogenic medium. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 564-571.	1.3	20
12	Cross-Linking Chemistry of Tyramine-Modified Hyaluronan Hydrogels Alters Mesenchymal Stem Cell Early Attachment and Behavior. <i>Biomacromolecules</i> , 2017, 18, 855-864.	2.6	48
13	Fabrication of cell-compatible hyaluronan hydrogels with a wide range of biophysical properties through high tyramine functionalization. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2355-2363.	2.9	20
14	Shear-thinning and self-healing hydrogels as injectable therapeutics and for 3D-printing. <i>Nature Protocols</i> , 2017, 12, 1521-1541.	5.5	382
15	Monitoring live human mesenchymal stromal cell differentiation and subsequent selection using fluorescent RNA-based probes. <i>Scientific Reports</i> , 2016, 6, 26014.	1.6	13
16	Effect of Short-Term Stimulation with Interleukin-1 $\beta$ and Differentiation Medium on Human Mesenchymal Stromal Cell Paracrine Activity in Coculture with Osteoblasts. <i>BioMed Research International</i> , 2015, 2015, 1-16.	0.9	15
17	Microfabrication of Photo-Cross-Linked Hyaluronan Hydrogels by Single- and Two-Photon Tyramine Oxidation. <i>Biomacromolecules</i> , 2015, 16, 2624-2630.	2.6	44
18	In Vitro Osteogenic Potential of Human Mesenchymal Stem Cells Is Predicted by Runx2/Sox9 Ratio. <i>Tissue Engineering - Part A</i> , 2015, 21, 115-123.	1.6	83

#	ARTICLE	IF	CITATIONS
19	Precise tailoring of tyramine-based hyaluronan hydrogel properties using DMTMM conjugation. Carbohydrate Polymers, 2015, 115, 325-333.	5.1	65