

Max Darnell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8335437/publications.pdf>

Version: 2024-02-01

12
papers

3,660
citations

840728

11
h-index

1199563

12
g-index

13
all docs

13
docs citations

13
times ranked

5685
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogels with tunable stress relaxation regulate stem cell fate and activity. <i>Nature Materials</i> , 2016, 15, 326-334.	27.5	1,650
2	Substrate stress relaxation regulates cell spreading. <i>Nature Communications</i> , 2015, 6, 6364.	12.8	637
3	Matrix elasticity of void-forming hydrogels controls transplanted-stem-cell-mediated bone formation. <i>Nature Materials</i> , 2015, 14, 1269-1277.	27.5	390
4	Performance and biocompatibility of extremely tough alginate/polyacrylamide hydrogels. <i>Biomaterials</i> , 2013, 34, 8042-8048.	11.4	282
5	The CLEC-2-podoplanin axis controls the contractility of fibroblastic reticular cells and lymph node microarchitecture. <i>Nature Immunology</i> , 2015, 16, 75-84.	14.5	233
6	Substrate Stress-Relaxation Regulates Scaffold Remodeling and Bone Formation In Vivo. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601185.	7.6	104
7	Leveraging advances in biology to design biomaterials. <i>Nature Materials</i> , 2017, 16, 1178-1185.	27.5	97
8	Material microenvironmental properties couple to induce distinct transcriptional programs in mammalian stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8368-E8377.	7.1	93
9	RNA-seq reveals diverse effects of substrate stiffness on mesenchymal stem cells. <i>Biomaterials</i> , 2018, 181, 182-188.	11.4	64
10	Switchable Release of Entrapped Nanoparticles from Alginate Hydrogels. <i>Advanced Healthcare Materials</i> , 2015, 4, 1634-1639.	7.6	50
11	Skeletal muscle regeneration with robotic actuation-mediated clearance of neutrophils. <i>Science Translational Medicine</i> , 2021, 13, eabe8868.	12.4	42
12	Growth of High-Aspect Ratio Horizontally-Aligned ZnO Nanowire Arrays. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 6880-6885.	0.9	11