

Daniel L Matera

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

295
citations

1040056

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1372567

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all docs

10
docs citations

10
times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	New directions and dimensions for bioengineered models of fibrosis. <i>Nature Reviews Materials</i> , 2021, 6, 192-195.	48.7	14
2	Magnetic Alignment of Electrospun Fiber Segments Within a Hydrogel Composite Guides Cell Spreading and Migration Phenotype Switching. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 679165.	4.1	16
3	Direct comparison of angiogenesis in natural and synthetic biomaterials reveals that matrix porosity regulates endothelial cell invasion speed and sprout diameter. <i>Acta Biomaterialia</i> , 2021, 135, 260-273.	8.3	22
4	The Role of Rho GTPases During Fibroblast Spreading, Migration, and Myofibroblast Differentiation in 3D Synthetic Fibrous Matrices. <i>Cellular and Molecular Bioengineering</i> , 2021, 14, 381-396.	2.1	6
5	Physiologic biomechanics enhance reproducible contractile development in a stem cell derived cardiac muscle platform. <i>Nature Communications</i> , 2021, 12, 6167.	12.8	18
6	Microengineered 3D pulmonary interstitial mimetics highlight a critical role for matrix degradation in myofibroblast differentiation. <i>Science Advances</i> , 2020, 6, .	10.3	64
7	Myofibroblast activation in synthetic fibrous matrices composed of dextran vinyl sulfone. <i>Acta Biomaterialia</i> , 2020, 105, 78-86.	8.3	36
8	Immobilization after injury alters extracellular matrix and stem cell fate. <i>Journal of Clinical Investigation</i> , 2020, 130, 5444-5460.	8.2	42
9	Optical coherence tomography and fluorescence microscopy dual-modality imaging for in vivo single-cell tracking with nanowire lasers. <i>Biomedical Optics Express</i> , 2020, 11, 3659.	2.9	13
10	Fiber Density Modulates Cell Spreading in 3D Interstitial Matrix Mimetics. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2965-2975.	5.2	64