

Daniel L Matera

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

295
citations

1040056

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1372567

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10
all docs

10
docs citations

10
times ranked

328
citing authors

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