

# Monica L Moya

## List of Publications by Year in descending order

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19  
papers

1,053  
citations

686830

13  
h-index

794141

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1619  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In Vitro</i> Perfused Human Capillary Networks. Tissue Engineering - Part C: Methods, 2013, 19, 730-737.	1.1	337
2	A microfluidic platform for generating large-scale nearly identical human microphysiological vascularized tissue arrays. Lab on A Chip, 2013, 13, 2990.	3.1	175
3	Full range physiological mass transport control in 3D tissue cultures. Lab on A Chip, 2013, 13, 81-89.	3.1	112
4	Human Induced Pluripotent Stem Cell-Derived Endothelial Cells for Three-Dimensional Microphysiological Systems. Tissue Engineering - Part C: Methods, 2017, 23, 474-484.	1.1	75
5	Microfluidic device to control interstitial flow-mediated homotypic and heterotypic cellular communication. Lab on A Chip, 2015, 15, 3521-3529.	3.1	56
6	An integrated in vitro model of perfused tumor and cardiac tissue. Stem Cell Research and Therapy, 2013, 4, S15.	2.4	54
7	Examining metastatic behavior within 3D bioprinted vasculature for the validation of a 3D computational flow model. Science Advances, 2020, 6, eabb3308.	4.7	47
8	Projection Microstereolithographic Microbial Bioprinting for Engineered Biofilms. Nano Letters, 2021, 21, 1352-1359.	4.5	33
9	Optimizing cell encapsulation condition in ECM-Collagen I hydrogels to support 3D neuronal cultures. Journal of Neuroscience Methods, 2020, 329, 108460.	1.3	32
10	A Reconfigurable In Vitro Model for Studying the Bloodâ€“Brain Barrier. Annals of Biomedical Engineering, 2020, 48, 780-793.	1.3	31
11	Microfluidic Device to Culture 3D In Vitro Human Capillary Networks. Methods in Molecular Biology, 2013, 1202, 21-27.	0.4	18
12	Comparative Molecular Analysis of Cancer Behavior Cultured In Vitro, In Vivo, and Ex Vivo. Cancers, 2020, 12, 690.	1.7	17
13	Go with the flow: modeling unique biological flows in engineered<i>in vitro</i>platforms. Lab on A Chip, 2021, 21, 2095-2120.	3.1	16
14	Integrating in vitro organ-specific function with the microcirculation. Current Opinion in Chemical Engineering, 2014, 3, 102-111.	3.8	11
15	Three-dimensional bioprinting of aneurysm-bearing tissue structure for endovascular deployment of embolization coils. Biofabrication, 2021, 13, 015006.	3.7	10
16	Investigating the Interaction Between Circulating Tumor Cells and Local Hydrodynamics via Experiment and Simulations. Cellular and Molecular Bioengineering, 2020, 13, 527-540.	1.0	9
17	Extracellular matrix modulates T cell clearance of malignant cells in vitro. Biomaterials, 2022, 282, 121378.	5.7	8
18	Macromolecular gelatin properties affect fibrin microarchitecture and tumor spheroid behavior in fibrin-gelatin gels. Biomaterials, 2020, 250, 120035.	5.7	6

#	ARTICLE	IF	CITATIONS
19	Performance of three-dimensional printed nasopharyngeal swabs for COVID-19 testing. MRS Bulletin, 2021, 46, 813-821.	1.7	6