Kevin M Beussman

List of Publications by Year
in descending order

18 papers	542 citations	1039406 9 h-index	996533 15 g-index
21 all docs	21 docs citations	21 times ranked	1170 citing authors

#	Article	IF	Citations
1	Afterload promotes maturation of human induced pluripotent stem cell derived cardiomyocytes in engineered heart tissues. Journal of Molecular and Cellular Cardiology, 2018, 118, 147-158.	0.9	127
2	LAMP-2B regulates human cardiomyocyte function by mediating autophagosomeâ€“lysosome fusion. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 556-565.	3.3	78
3	TFPa/HADHA is required for fatty acid beta-oxidation and cardiolipin re-modeling in human cardiomyocytes. Nature Communications, 2019, 10, 4671.	5.8	77
4	Micropost arrays for measuring stem cell-derived cardiomyocyte contractility. Methods, 2016, 94, 43-50.	1.9	76
5	Cronos Titin Is Expressed in Human Cardiomyocytes and Necessary for Normal Sarcomere Function. Circulation, 2019, 140, 1647-1660.	1.6	50
6	Chromatin compartment dynamics in a haploinsufficient model of cardiac laminopathy. Journal of Cell Biology, 2019, 218, 2919-2944.	2.3	46
7	Substrate Stiffness, Cell Anisotropy, and Cellâ€“Cell Contact Contribute to Enhanced Structural and Calcium Handling Properties of Human Embryonic Stem Cell-Derived Cardiomyocytes. ACS Biomaterials Science and Engineering, 2019, 5, 3876-3888.	2.6	26
8	A Rainbow Reporter Tracks Single Cells and Reveals Heterogeneous Cellular Dynamics among Pluripotent Stem Cells and Their Differentiated Derivatives. Stem Cell Reports, 2020, 15, 226-241.	2.3	16
9	In silico CDM model sheds light on force transmission in cell from focal adhesions to nucleus. Journal of Biomechanics, 2016, 49, 2625-2634.	0.9	10
10	Engrafted Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes Undergo Clonal Expansion In Vivo. Circulation, 2021, 143, 1635-1638.	1.6	9
11	Black dots: High-yield traction force microscopy reveals structural factors contributing to platelet forces. Acta Biomaterialia, 2023, 163, 302-311.	4.1	8
12	Methodological inaccuracies in clinical aortic valve severity assessment: insights from computational fluid dynamic modeling of CT-derived aortic valve anatomy. Theoretical and Computational Fluid Dynamics, 2016, 30, 107-128.	0.9	7
13	Deformation and migration of a leaky-dielectric droplet in a steady non-uniform electric field. Microfluidics and Nanofluidics, 2014, 17, 907-921.	1.0	5
14	The consequence of substrates of large-scale rigidity on actin network tension in adherent cells. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 1073-1082.	0.9	3
15	Dynamics of Viscous Droplets Falling Towards Micro-Patterned Solid Surfaces. , 2013, , .		0
16	Viscous Droplet Interaction With Micro-Textured Solid Surfaces. , 2014, , .		0
17	Black Dots: Microcontact Printed Reference-Free Traction Force Microscopy. Biophysical Journal, 2021, 120, 363a-364a.	0.2	0
18	Computational Studies of Droplet Dynamics in a Steady Electric Field. , 2012, , .		0