Aditya Kumar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2193856/publications.pdf

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18	1,144	759233 12	839539 18
papers	citations	h-index	g-index

19	19	19	2041
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Programmatic introduction of parenchymal cell types into blood vessel organoids. Stem Cell Reports, 2021, 16, 2432-2441.	4.8	11
2	High shear stress enhances endothelial permeability in the presence of the risk haplotype at 9p21.3. APL Bioengineering, 2021, 5, 036102.	6.2	3
3	Mapping regulators of cell fate determination: Approaches and challenges. APL Bioengineering, 2020, 4, 031501.	6.2	1
4	The Ryanodine Receptor Contributes to the Lysophosphatidylcholine-Induced Mineralization in Valvular Interstitial Cells. Cardiovascular Engineering and Technology, 2020, 11, 316-327.	1.6	4
5	Matrix Rigidity Controls Epithelial-Mesenchymal Plasticity and Tumor Metastasis via a Mechanoresponsive EPHA2/LYN Complex. Developmental Cell, 2020, 54, 302-316.e7.	7.0	128
6	Cell Adhesiveness Serves as a Biophysical Marker for Metastatic Potential. Cancer Research, 2020, 80, 901-911.	0.9	46
7	Hâ€Ras Transformation of Mammary Epithelial Cells Induces ERKâ€Mediated Spreading on Low Stiffness Matrix. Advanced Healthcare Materials, 2020, 9, e1901366.	7.6	7
8	Matrix stiffness mechanically conditions EMT and migratory behavior of oral squamous cell carcinoma. Journal of Cell Science, 2019, 132, .	2.0	60
9	3D collagen architecture regulates cell adhesion through degradability, thereby controlling metabolic and oxidative stress. Integrative Biology (United Kingdom), 2019, 11, 221-234.	1.3	33
10	Mechanical activation of noncoding-RNA-mediated regulation of disease-associated phenotypes in human cardiomyocytes. Nature Biomedical Engineering, 2019, 3, 137-146.	22.5	30
11	Dynamically stiffened matrix promotes malignant transformation of mammary epithelial cells via collective mechanical signaling. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3502-3507.	7.1	108
12	Unveiling the Role of the Most Impactful Cardiovascular Risk Locus through Haplotype Editing. Cell, 2018, 175, 1796-1810.e20.	28.9	95
13	Facile Engineering of Longâ€Term Culturable Ex Vivo Vascularized Tissues Using Biologically Derived Matrices. Advanced Healthcare Materials, 2018, 7, e1800845.	7.6	23
14	RAP2 mediates mechanoresponses of the Hippo pathway. Nature, 2018, 560, 655-660.	27.8	266
15	Mechanical regulation of cardiac fibroblast profibrotic phenotypes. Molecular Biology of the Cell, 2017, 28, 1871-1882.	2.1	160
16	Understanding the extracellular forces that determine cell fate and maintenance. Development (Cambridge), 2017, 144, 4261-4270.	2.5	147
17	Differential Aortic and Mitral Valve Interstitial Cell Mineralization and the Induction of Mineralization by Lysophosphatidylcholine In Vitro. Cardiovascular Engineering and Technology, 2014, 5, 371-383.	1.6	15
18	Gentamicin Reduces Calcific Nodule Formation by Aortic Valve Interstitial Cells In Vitro. Cardiovascular Engineering and Technology, 2013, 4, 16-25.	1.6	7