

Ignasi Jorba

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

924
citations

687220

13
h-index

839398

18
g-index

21
all docs

21
docs citations

21
times ranked

1807
citing authors

#	ARTICLE	IF	CITATIONS
1	Alzheimer's Disease Mutant Mice Exhibit Reduced Brain Tissue Stiffness Compared to Wild-type Mice in both Normoxia and following Intermittent Hypoxia Mimicking Sleep Apnea. <i>Frontiers in Neurology</i> , 2018, 9, 1.	1.1	250
2	The local microenvironment limits the regenerative potential of the mouse neonatal heart. <i>Science Advances</i> , 2018, 4, eaao5553.	4.7	124
3	Probing Micromechanical Properties of the Extracellular Matrix of Soft Tissues by Atomic Force Microscopy. <i>Journal of Cellular Physiology</i> , 2017, 232, 19-26.	2.0	91
4	Bidirectional mechanobiology between cells and their local extracellular matrix probed by atomic force microscopy. <i>Seminars in Cell and Developmental Biology</i> , 2018, 73, 71-81.	2.3	63
5	Proteomics Analysis of Extracellular Matrix Remodeling During Zebrafish Heart Regeneration. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1745-1755.	2.5	51
6	Nonlinear elasticity of the lung extracellular microenvironment is regulated by macroscale tissue strain. <i>Acta Biomaterialia</i> , 2019, 92, 265-276.	4.1	49
7	Head-to-head comparison of two engineered cardiac grafts for myocardial repair: From scaffold characterization to pre-clinical testing. <i>Scientific Reports</i> , 2018, 8, 6708.	1.6	45
8	A Novel Chip for Cyclic Stretch and Intermittent Hypoxia Cell Exposures Mimicking Obstructive Sleep Apnea. <i>Frontiers in Physiology</i> , 2016, 7, 319.	1.3	42
9	Leaves of isoprene-emitting tobacco plants maintain PSII stability at high temperatures. <i>New Phytologist</i> , 2019, 223, 1307-1318.	3.5	38
10	Epithelial contribution to the profibrotic stiff microenvironment and myofibroblast population in lung fibrosis. <i>Molecular Biology of the Cell</i> , 2017, 28, 3741-3755.	0.9	33
11	Intermittent Hypoxia Mimicking Sleep Apnea Increases Passive Stiffness of Myocardial Extracellular Matrix. A Multiscale Study. <i>Frontiers in Physiology</i> , 2018, 9, 1143.	1.3	32
12	First-in-human PeriCord cardiac bioimplant: Scalability and GMP manufacturing of an allogeneic engineered tissue graft. <i>EBioMedicine</i> , 2020, 54, 102729.	2.7	27
13	<i>In Vitro</i> Methods to Model Cardiac Mechanobiology in Health and Disease. <i>Tissue Engineering - Part C: Methods</i> , 2021, 27, 139-151.	1.1	21
14	Ageing and chronic intermittent hypoxia mimicking sleep apnea do not modify local brain tissue stiffness in healthy mice. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 71, 106-113.	1.5	13
15	Dopamine D1 receptor stimulates cathepsin K-dependent degradation and resorption of collagen I in lung fibroblasts. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	12
16	Condensation of the Drosophila nerve cord is oscillatory and depends on coordinated mechanical interactions. <i>Developmental Cell</i> , 2022, 57, 867-882.e5.	3.1	12
17	Biomechanical Response of Lung Epithelial Cells to Iron Oxide and Titanium Dioxide Nanoparticles. <i>Frontiers in Physiology</i> , 2019, 10, 1047.	1.3	10
18	Passive Stiffness of Left Ventricular Myocardial Tissue Is Reduced by Ovariectomy in a Post-menopause Mouse Model. <i>Frontiers in Physiology</i> , 2018, 9, 1545.	1.3	8

#	ARTICLE	IF	CITATIONS
19	AFM and Microrheology in the Zebrafish Embryo Yolk Cell. Journal of Visualized Experiments, 2017, , .	0.2	1