

Pierre Nassoy

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,579
citations

933447

10
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

2606
citing authors

#	ARTICLE	IF	CITATIONS
1	Cells Respond to Mechanical Stress by Rapid Disassembly of Caveolae. <i>Cell</i> , 2011, 144, 402-413.	28.9	791
2	Cellular capsules as a tool for multicellular spheroid production and for investigating the mechanics of tumor progression in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14843-14848.	7.1	367
3	A 3D printed microfluidic device for production of functionalized hydrogel microcapsules for culture and differentiation of human Neuronal Stem Cells (hNSC). <i>Lab on A Chip</i> , 2016, 16, 1593-1604.	6.0	121
4	Buckling of an Epithelium Growing under Spherical Confinement. <i>Developmental Cell</i> , 2020, 54, 655-668.e6.	7.0	75
5	A model of guided cell self-organization for rapid and spontaneous formation of functional vessels. <i>Science Advances</i> , 2019, 5, eaau6562.	10.3	61
6	Quantitative cell-based model predicts mechanical stress response of growing tumor spheroids over various growth conditions and cell lines. <i>PLoS Computational Biology</i> , 2019, 15, e1006273.	3.2	46
7	Controlled production of sub-millimeter liquid core hydrogel capsules for parallelized 3D cell culture. <i>Lab on A Chip</i> , 2017, 17, 110-119.	6.0	44
8	All-in-one 3D printed microscopy chamber for multidimensional imaging, the UniverSlide. <i>Scientific Reports</i> , 2017, 7, 42378.	3.3	25
9	A novel 3D culture model recapitulates primary FL B-cell features and promotes their survival. <i>Blood Advances</i> , 2021, 5, 5372-5386.	5.2	18
10	Role of mechanical cues and hypoxia on the growth of tumor cells in strong and weak confinement: A dual in vitro–in silico approach. <i>Science Advances</i> , 2020, 6, eaaz7130.	10.3	15
11	Remote scanning for ultra-large field of view in wide-field microscopy and full-field OCT. <i>Biomedical Optics Express</i> , 2020, 11, 2578.	2.9	6
12	Morpho-elasticity of human pluripotent stem cell cysts. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 160, 104778.	4.8	5
13	Postnatal vasculogenesis. , 2020, , 101-112.		0
14	Adaptive coherence volume in full-field optical coherence tomography. <i>OSA Continuum</i> , 2021, 4, 2805.	1.8	0