

Nuno Miranda Coelho

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

645
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

908
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic fibroblast contractions attract remote macrophages in fibrillar collagen matrix. Nature Communications, 2019, 10, 1850.	12.8	167
2	Mechanical regulation of myofibroblast phenoconversion and collagen contraction. Experimental Cell Research, 2019, 379, 119-128.	2.6	118
3	Discoidin Domain Receptor 1 Mediates Myosin-Dependent Collagen Contraction. Cell Reports, 2017, 18, 1774-1790.	6.4	83
4	Suppression of the fibrotic encapsulation of silicone implants by inhibiting the mechanical activation of pro-fibrotic TGF- β 2. Nature Biomedical Engineering, 2021, 5, 1437-1456.	22.5	67
5	Contribution of collagen adhesion receptors to tissue fibrosis. Cell and Tissue Research, 2016, 365, 521-538.	2.9	55
6	Interactions between the discoidin domain receptor 1 and α 21 integrin regulate attachment to collagen. Biology Open, 2013, 2, 1148-1159.	1.2	44
7	Mechanical signaling through the discoidin domain receptor 1 plays a central role in tissue fibrosis. Cell Adhesion and Migration, 2018, 12, 1-15.	2.7	27
8	Fibroblasts remodeling of type IV collagen at a biomaterials interface. Biomaterials Science, 2013, 1, 494.	5.4	18
9	Arrangement of type IV collagen on NH ₂ and COOH functionalized surfaces. Biotechnology and Bioengineering, 2011, 108, 3009-3018.	3.3	16
10	Dynamic Reorganization and Enzymatic Remodeling of Type IV Collagen at Cell-Biomaterial Interface. Advances in Protein Chemistry and Structural Biology, 2016, 105, 81-104.	2.3	14
11	Arrangement of Type IV Collagen and Laminin on Substrates with Controlled Density of -OH Groups. Tissue Engineering - Part A, 2011, 17, 2245-2257.	3.1	13
12	MRIP Regulates the Myosin IIA Activity and DDR1 Function to Enable Collagen Tractional Remodeling. Cells, 2020, 9, 1672.	4.1	7
13	DDR1 associates with TRPV4 in cell-matrix adhesions to enable calcium-regulated myosin activity and collagen compaction. Journal of Cellular Physiology, 2022, 237, 2451-2468.	4.1	6
14	Interferometric Backward Third Harmonic Generation Microscopy for Axial Imaging with Accuracy Beyond the Diffraction Limit. PLoS ONE, 2014, 9, e94458.	2.5	5
15	Collagen Processing and its Role in Fibrosis. , 2015, , 261-278.		3