

Alba Diz-Munoz

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

1,231
citations

14
h-index

28
g-index

28
ext. papers

1,756
ext. citations

12.7
avg, IF

4.98
L-index

#	Paper	IF	Citations
20	Cell Surface Mechanics Gate Embryonic Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2021 , 28, 209-216.e4	18	25
19	Dendritic cell actin dynamics control contact duration and priming efficiency at the immunological synapse. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	8
18	Reduction of Liver Metastasis Stiffness Improves Response to Bevacizumab in Metastatic Colorectal Cancer. <i>Cancer Cell</i> , 2020 , 37, 800-817.e7	24.3	74
17	Pay attention to membrane tension: Mechanobiology of the cell surface. <i>Current Opinion in Cell Biology</i> , 2020 , 66, 11-18	9	41
16	A 3D Brillouin microscopy dataset of the zebrafish eye. <i>Data in Brief</i> , 2020 , 30, 105427	1.2	3
15	Protocol on Tissue Preparation and Measurement of Tumor Stiffness in Primary and Metastatic Colorectal Cancer Samples with an Atomic Force Microscope. <i>STAR Protocols</i> , 2020 , 1, 100167	1.4	3
14	Using migrating cells as probes to illuminate features in live embryonic tissues. <i>Science Advances</i> , 2020 , 6,	14.3	3
13	Brillouin microscopy: an emerging tool for mechanobiology. <i>Nature Methods</i> , 2019 , 16, 969-977	21.6	99
12	Hydraulic control of mammalian embryo size and cell fate. <i>Nature</i> , 2019 , 571, 112-116	50.4	111
11	Cell confinement reveals a branched-actin independent circuit for neutrophil polarity. <i>PLoS Biology</i> , 2019 , 17, e3000457	9.7	24
10	In Vivo Function of the Lipid Raft Protein Flotillin-1 during CD8 T Cell-Mediated Host Surveillance. <i>Journal of Immunology</i> , 2019 , 203, 2377-2387	5.3	6
9	Imaging mechanical properties of sub-micron ECM in live zebrafish using Brillouin microscopy. <i>Biomedical Optics Express</i> , 2019 , 10, 1420-1431	3.5	34
8	The Rho regulator Myosin IXb enables nonlymphoid tissue seeding of protective CD8 T cells. <i>Journal of Experimental Medicine</i> , 2018 , 215, 1869-1890	16.6	15
7	In pursuit of the mechanics that shape cell surfaces. <i>Nature Physics</i> , 2018 , 14, 648-652	16.2	47
6	Membrane Tension Acts Through PLD2 and mTORC2 to Limit Actin Network Assembly During Neutrophil Migration. <i>PLoS Biology</i> , 2016 , 14, e1002474	9.7	103
5	Steering cell migration by alternating blebs and actin-rich protrusions. <i>BMC Biology</i> , 2016 , 14, 74	7.3	32
4	Myosin light chain kinase regulates cell polarization independently of membrane tension or Rho kinase. <i>Journal of Cell Biology</i> , 2015 , 209, 275-88	7.3	31

- 3 Use the force: membrane tension as an organizer of cell shape and motility. *Trends in Cell Biology*, **2013**, 23, 47-53 18,3 382
- 2 Control of directed cell migration in vivo by membrane-to-cortex attachment. *PLoS Biology*, **2010**, 8, e1000544 185
- 1 Cell surface mechanics gate stem cell differentiation 5