

Alba Diz-Munoz

List of Publications by Citations

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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	Use the force: membrane tension as an organizer of cell shape and motility. <i>Trends in Cell Biology</i> , 2013 , 23, 47-53	18.3	382
19	Control of directed cell migration in vivo by membrane-to-cortex attachment. <i>PLoS Biology</i> , 2010 , 8, e1000544	19.44	185
18	Hydraulic control of mammalian embryo size and cell fate. <i>Nature</i> , 2019 , 571, 112-116	50.4	111
17	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
16	Brillouin microscopy: an emerging tool for mechanobiology. <i>Nature Methods</i> , 2019 , 16, 969-977	21.6	99
15	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
14	In pursuit of the mechanics that shape cell surfaces. <i>Nature Physics</i> , 2018 , 14, 648-652	16.2	47
13	Pay attention to membrane tension: Mechanobiology of the cell surface. <i>Current Opinion in Cell Biology</i> , 2020 , 66, 11-18	9	41
12	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
11	Steering cell migration by alternating blebs and actin-rich protrusions. <i>BMC Biology</i> , 2016 , 14, 74	7.3	32
10	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
9	Cell Surface Mechanics Gate Embryonic Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2021 , 28, 209-216.e4	18	25
8	Cell confinement reveals a branched-actin independent circuit for neutrophil polarity. <i>PLoS Biology</i> , 2019 , 17, e3000457	9.7	24
7	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
6	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
5	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
4	Cell surface mechanics gate stem cell differentiation		5

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| 3 | A 3D Brillouin microscopy dataset of the zebrafish eye. <i>Data in Brief</i> , 2020 , 30, 105427 | 1.2 | 3 |
| 2 | 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 |
| 1 | Using migrating cells as probes to illuminate features in live embryonic tissues. <i>Science Advances</i> , 2020 , 6, | 14.3 | 3 |