

Alba Diz-Munoz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/892412/publications.pdf>

Version: 2024-02-01

23
papers

2,149
citations

516710

16
h-index

677142

22
g-index

28
all docs

28
docs citations

28
times ranked

3148
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Understanding the interplay of membrane trafficking, cell surface mechanics, and stem cell differentiation. <i>Seminars in Cell and Developmental Biology</i> , 2023, 133, 123-134. | 5.0 | 3 |
| 2 | A mechano-osmotic feedback couples cell volume to the rate of cell deformation. <i>ELife</i> , 2022, 11, . | 6.0 | 27 |
| 3 | Self-generated gradients steer collective migration on viscoelastic collagen networks. <i>Nature Materials</i> , 2022, 21, 1200-1210. | 27.5 | 29 |
| 4 | Cell Surface Mechanics Gate Embryonic Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2021, 28, 209-216.e4. | 11.1 | 73 |
| 5 | Dendritic cell actin dynamics control contact duration and priming efficiency at the immunological synapse. <i>Journal of Cell Biology</i> , 2021, 220, . | 5.2 | 25 |
| 6 | 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. | 1.2 | 14 |
| 7 | Using migrating cells as probes to illuminate features in live embryonic tissues. <i>Science Advances</i> , 2020, 6, . | 10.3 | 6 |
| 8 | Reduction of Liver Metastasis Stiffness Improves Response to Bevacizumab in Metastatic Colorectal Cancer. <i>Cancer Cell</i> , 2020, 37, 800-817.e7. | 16.8 | 179 |
| 9 | Pay attention to membrane tension: Mechanobiology of the cell surface. <i>Current Opinion in Cell Biology</i> , 2020, 66, 11-18. | 5.4 | 117 |
| 10 | A 3D Brillouin microscopy dataset of the in-vivo zebrafish eye. <i>Data in Brief</i> , 2020, 30, 105427. | 1.0 | 9 |
| 11 | Cell confinement reveals a branched-actin independent circuit for neutrophil polarity. <i>PLoS Biology</i> , 2019, 17, e3000457. | 5.6 | 54 |
| 12 | 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. | 0.8 | 14 |
| 13 | Brillouin microscopy: an emerging tool for mechanobiology. <i>Nature Methods</i> , 2019, 16, 969-977. | 19.0 | 244 |
| 14 | Hydraulic control of mammalian embryo size and cell fate. <i>Nature</i> , 2019, 571, 112-116. | 27.8 | 216 |
| 15 | Imaging mechanical properties of sub-micron ECM in live zebrafish using Brillouin microscopy. <i>Biomedical Optics Express</i> , 2019, 10, 1420. | 2.9 | 57 |
| 16 | In pursuit of the mechanics that shape cell surfaces. <i>Nature Physics</i> , 2018, 14, 648-652. | 16.7 | 68 |
| 17 | The Rho regulator Myosin IXb enables nonlymphoid tissue seeding of protective CD8+ T cells. <i>Journal of Experimental Medicine</i> , 2018, 215, 1869-1890. | 8.5 | 22 |
| 18 | Steering cell migration by alternating blebs and actin-rich protrusions. <i>BMC Biology</i> , 2016, 14, 74. | 3.8 | 49 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Membrane Tension Acts Through PLD2 and mTORC2 to Limit Actin Network Assembly During Neutrophil Migration. PLoS Biology, 2016, 14, e1002474. | 5.6 | 172 |
| 20 | Myosin light chain kinase regulates cell polarization independently of membrane tension or Rho kinase. Journal of Cell Biology, 2015, 209, 275-288. | 5.2 | 40 |
| 21 | Use the force: membrane tension as an organizer of cell shape and motility. Trends in Cell Biology, 2013, 23, 47-53. | 7.9 | 485 |
| 22 | Control of Directed Cell Migration In Vivo by Membrane-to-Cortex Attachment. PLoS Biology, 2010, 8, e1000544. | 5.6 | 231 |
| 23 | Strength of interactions in the Notch gene regulatory network determines patterning and fate in the notochord. ELife, 0, 11, . | 6.0 | 3 |