

# Andrew R Harris

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12021685/publications.pdf>

Version: 2024-02-01

18  
papers

2,797  
citations

567144

15  
h-index

794469

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

4014  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Amplification-free detection of SARS-CoV-2 with CRISPR-Cas13a and mobile phone microscopy. <i>Cell</i> , 2021, 184, 323-333.e9.  | 13.5 | 613       |
| 2  | The cytoplasm of living cells behaves as a poroelastic material. <i>Nature Materials</i> , 2013, 12, 253-261.  | 13.3 | 527       |
| 3  | Characterizing the mechanics of cultured cell monolayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16449-16454.   | 3.3  | 295       |
| 4  | Cell mechanics: principles, practices, and prospects. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2014, 6, 371-388.   | 6.6  | 232       |
| 5  | Emergence of homeostatic epithelial packing and stress dissipation through divisions oriented along the long cell axis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5726-5731. | 3.3  | 176       |
| 6  | Interaction with surrounding normal epithelial cells influences signalling pathways and behaviour of Src-transformed cells. <i>Journal of Cell Science</i> , 2010, 123, 171-180.   | 1.2  | 175       |
| 7  | Experimental validation of atomic force microscopy-based cell elasticity measurements. <i>Nanotechnology</i> , 2011, 22, 345102.   | 1.3  | 151       |
| 8  | Accelerated RNA detection using tandem CRISPR nucleases. <i>Nature Chemical Biology</i> , 2021, 17, 982-988.   | 3.9  | 135       |
| 9  | Mechanotransduction by the Actin Cytoskeleton: Converting Mechanical Stimuli into Biochemical Signals. <i>Annual Review of Biophysics</i> , 2018, 47, 617-631.   | 4.5  | 95        |
| 10 | Formation of adherens junctions leads to the emergence of a tissue-level tension in epithelial monolayers. <i>Journal of Cell Science</i> , 2014, 127, 2507-17.  | 1.2  | 91        |
| 11 | Statistical evidence links exceptional 1995 Atlantic Hurricane season to record sea warming. <i>Geophysical Research Letters</i> , 1997, 24, 1255-1258.  | 1.5  | 75        |
| 12 | Generating suspended cell monolayers for mechanobiological studies. <i>Nature Protocols</i> , 2013, 8, 2516-2530.  | 5.5  | 50        |
| 13 | A Weak Link with Actin Organizes Tight Junctions to Control Epithelial Permeability. <i>Developmental Cell</i> , 2020, 54, 792-804.e7.   | 3.1  | 44        |
| 14 | Stimulation of Cortical Myosin Phosphorylation by p114RhoGEF Drives Cell Migration and Tumor Cell Invasion. <i>PLoS ONE</i> , 2012, 7, e50188.   | 1.1  | 33        |
| 15 | Biased localization of actin binding proteins by actin filament conformation. <i>Nature Communications</i> , 2020, 11, 5973.   | 5.8  | 25        |
| 16 | Antibody:CD47 ratio regulates macrophage phagocytosis through competitive receptor phosphorylation. <i>Cell Reports</i> , 2021, 36, 109587.  | 2.9  | 25        |
| 17 | Steric regulation of tandem calponin homology domain actin-binding affinity. <i>Molecular Biology of the Cell</i> , 2019, 30, 3112-3122.   | 0.9  | 15        |
| 18 | Point-of-Care Sample Preparation and Automated Quantitative Detection of <i>Schistosoma haematobium</i> Using Mobile Phone Microscopy. <i>American Journal of Tropical Medicine and Hygiene</i> , 2022, 106, 1442-1449.                | 0.6  | 11        |