

# 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

567281

15  
h-index

794594

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.	28.9	613
2	The cytoplasm of living cells behaves as a poroelastic material. <i>Nature Materials</i> , 2013, 12, 253-261.	27.5	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.	7.1	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.	7.1	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.	2.0	175
7	Experimental validation of atomic force microscopy-based cell elasticity measurements. <i>Nanotechnology</i> , 2011, 22, 345102.	2.6	151
8	Accelerated RNA detection using tandem CRISPR nucleases. <i>Nature Chemical Biology</i> , 2021, 17, 982-988.	8.0	135
9	Mechanotransduction by the Actin Cytoskeleton: Converting Mechanical Stimuli into Biochemical Signals. <i>Annual Review of Biophysics</i> , 2018, 47, 617-631.	10.0	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.	2.0	91
11	Statistical evidence links exceptional 1995 Atlantic Hurricane season to record sea warming. <i>Geophysical Research Letters</i> , 1997, 24, 1255-1258.	4.0	75
12	Generating suspended cell monolayers for mechanobiological studies. <i>Nature Protocols</i> , 2013, 8, 2516-2530.	12.0	50
13	A Weak Link with Actin Organizes Tight Junctions to Control Epithelial Permeability. <i>Developmental Cell</i> , 2020, 54, 792-804.e7.	7.0	44
14	Stimulation of Cortical Myosin Phosphorylation by p114RhoGEF Drives Cell Migration and Tumor Cell Invasion. <i>PLoS ONE</i> , 2012, 7, e50188.	2.5	33
15	Biased localization of actin binding proteins by actin filament conformation. <i>Nature Communications</i> , 2020, 11, 5973.	12.8	25
16	Antibody:CD47 ratio regulates macrophage phagocytosis through competitive receptor phosphorylation. <i>Cell Reports</i> , 2021, 36, 109587.	6.4	25
17	Steric regulation of tandem calponin homology domain actin-binding affinity. <i>Molecular Biology of the Cell</i> , 2019, 30, 3112-3122.	2.1	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.	1.4	11