

# Andrew R Harris

## List of Publications by Year in descending order

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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	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
2	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
3	Accelerated RNA detection using tandem CRISPR nucleases. <i>Nature Chemical Biology</i> , 2021, 17, 982-988.	3.9	135
4	Antibody:CD47 ratio regulates macrophage phagocytosis through competitive receptor phosphorylation. <i>Cell Reports</i> , 2021, 36, 109587.	2.9	25
5	A Weak Link with Actin Organizes Tight Junctions to Control Epithelial Permeability. <i>Developmental Cell</i> , 2020, 54, 792-804.e7.	3.1	44
6	Biased localization of actin binding proteins by actin filament conformation. <i>Nature Communications</i> , 2020, 11, 5973.	5.8	25
7	Steric regulation of tandem calponin homology domain actin-binding affinity. <i>Molecular Biology of the Cell</i> , 2019, 30, 3112-3122.	0.9	15
8	Mechanotransduction by the Actin Cytoskeleton: Converting Mechanical Stimuli into Biochemical Signals. <i>Annual Review of Biophysics</i> , 2018, 47, 617-631.	4.5	95
9	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
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	Cell mechanics: principles, practices, and prospects. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2014, 6, 371-388.	6.6	232
12	The cytoplasm of living cells behaves as a poroelastic material. <i>Nature Materials</i> , 2013, 12, 253-261.	13.3	527
13	Generating suspended cell monolayers for mechanobiological studies. <i>Nature Protocols</i> , 2013, 8, 2516-2530.	5.5	50
14	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
15	Stimulation of Cortical Myosin Phosphorylation by p114RhoGEF Drives Cell Migration and Tumor Cell Invasion. <i>PLoS ONE</i> , 2012, 7, e50188.	1.1	33
16	Experimental validation of atomic force microscopy-based cell elasticity measurements. <i>Nanotechnology</i> , 2011, 22, 345102.	1.3	151
17	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
18	Statistical evidence links exceptional 1995 Atlantic Hurricane season to record sea warming. <i>Geophysical Research Letters</i> , 1997, 24, 1255-1258.	1.5	75