

# Anatol W Fritsch

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7653557/publications.pdf>

Version: 2024-02-01

17  
papers

1,418  
citations

567281

15  
h-index

940533

16  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Keratins significantly contribute to cell stiffness and impact invasive behavior. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18507-18512.	7.1	229
2	Acetylation of intrinsically disordered regions regulates phase separation. Nature Chemical Biology, 2019, 15, 51-61.	8.0	190
3	Are biomechanical changes necessary for tumour progression?. Nature Physics, 2010, 6, 730-732.	16.7	179
4	Non-invasive perturbations of intracellular flow reveal physical principles of cell organization. Nature Cell Biology, 2018, 20, 344-351.	10.3	130
5	Condensation of Ded1p Promotes a Translational Switch from Housekeeping to Stress Protein Production. Cell, 2020, 181, 818-831.e19.	28.9	130
6	The optical cell rotator. Optics Express, 2008, 16, 16984.	3.4	119
7	Testing the differential adhesion hypothesis across the epithelial to mesenchymal transition. New Journal of Physics, 2015, 17, 083049.	2.9	85
8	Local thermodynamics govern formation and dissolution of <i>Caenorhabditis elegans</i> P granule condensates. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	64
9	Regulated changes in material properties underlie centrosome disassembly during mitotic exit. Journal of Cell Biology, 2020, 219, .	5.2	49
10	Cell and Nucleus Shape as an Indicator of Tissue Fluidity in Carcinoma. Physical Review X, 2021, 11, .	8.9	46
11	Charge-density reduction promotes ribozyme activity in RNA-peptide coacervates via RNA fluidization and magnesium partitioning. Nature Chemistry, 2022, 14, 407-416.	13.6	41
12	A hydraulic instability drives the cell death decision in the nematode germline. Nature Physics, 2021, 17, 920-925.	16.7	38
13	Tuning liver stiffness against tumours: An in vitro study using entrapped cells in tumour-like microcapsules. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 9, 113-121.	3.1	27
14	Thermal instability of cell nuclei. New Journal of Physics, 2014, 16, 073009.	2.9	23
15	Active contractions in single suspended epithelial cells. European Biophysics Journal, 2014, 43, 11-23.	2.2	18
16	The lensing effect of trapped particles in a dual-beam optical trap. Optics Express, 2015, 23, 5221.	3.4	13
17	How to apply FLUCS in single cells and living embryos. Protocol Exchange, 0, , .	0.3	2