Hannes Witt

List of Publications by Year
in descending order

20 papers	475 citations	759233 12 h-index	794594 19 g-index
23 all docs	23 docs citations	23 times ranked	586 citing authors

#	Article	IF	Citations
1	Mechanics of mitotic chromosomes. Biophysical Journal, 2022, 121, 363a.	0.5	0
2	CENP-B-mediated DNA loops regulate activity and stability of human centromeres. Molecular Cell, 2022, 82, 1751-1767.e8.	9.7	27
3	Nonlinear mechanics of human mitotic chromosomes. Nature, 2022, 605, 545-550.	27.8	30
4	Membrane fusion studied by colloidal probes. European Biophysics Journal, 2021, 50, 223-237.	2.2	6
5	The Mechanics of Mitotic Chromosomes. Quarterly Reviews of Biophysics, 2021, 54, 1-41.	5.7	8
6	Prestress and Area Compressibility of Actin Cortices Determine the Viscoelastic Response of Living Cells. Physical Review Letters, 2020, 125, 068101.	7.8	34
7	Precipitation of Calcium Carbonate Inside Giant Unilamellar Vesicles Composed of Fluid-Phase Lipids. Langmuir, 2020, 36, 13244-13250.	3.5	5
8	Adhesion of Epithelial Cells to PNIPAm Treated Surfaces for Temperature-Controlled Cell-Sheet Harvesting. ACS Applied Materials & Interfaces, 2020, 12, 33516-33529.	8.0	27
9	Detachment of giant liposomes â€“ coupling of receptor mobility and membrane shape. Soft Matter, 2020, 16, 6424-6433.	2.7	2
10	Lateral Subunit Coupling Determines Intermediate Filament Mechanics. Physical Review Letters, 2019, 123, 188102.	7.8	27
11	Vimentin Intermediate Filaments Undergo Irreversible Conformational Changes during Cyclic Loading. Nano Letters, 2019, 19, 7349-7356.	9.1	36
12	Using Force Spectroscopy to Probe Coiled-Coil Assembly and Membrane Fusion. Methods in Molecular Biology, 2019, 1860, 145-159.	0.9	3
13	The Nonbilayer Lipid MGDG and the Major Light-Harvesting Complex (LHCII) Promote Membrane Stacking in Supported Lipid Bilayers. Biochemistry, 2018, 57, 2278-2288.	2.5	26
14	Adhesion strategies ofDictyostelium discoideumâ€“ a force spectroscopy study. Nanoscale, 2018, 10, 22504-22519.	5.6	13
15	Viscoelastic properties of vimentin originate from nonequilibrium conformational changes. Science Advances, 2018, 4, eaat1161.	10.3	52
16	Nonlinear Loading-Rate-Dependent Force Response of Individual Vimentin Intermediate Filaments to Applied Strain. Physical Review Letters, 2017, 118, 048101.	7.8	84
17	The non-bilayer lipid MGDG stabilizes the major light-harvesting complex (LHCII) against unfolding. Scientific Reports, 2017, 7, 5158.	3.3	40
18	Size, Kinetics, and Free Energy of Clusters Formed by Ultraweak Carbohydrate-Carbohydrate Bonds. Biophysical Journal, 2016, 110, 1582-1592.	0.5	13

#	Article	IF	Citations
19	SNARE-mediated membrane fusion trajectories derived from force-clamp experiments. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13051-13056.	7.1	28
20	A Versatile Dinucleating Ligand Containing Sulfonamide Groups. Inorganic Chemistry, 2014, 53, 2873-2882.	4.0	12