Paul Dalhaimer

List of Publications by Citations

28 papers	3,094 citations	18 h-index	34 g-index
34 ext. papers	3,330 ext. citations	5.5 avg, IF	4.77 L-index

#	Paper	IF	Citations
28	Shape effects of filaments versus spherical particles in flow and drug delivery. *Nature Nanotechnology*, **2007**, 2, 249-55	28.7	2056
27	Polymeric worm micelles as nano-carriers for drug delivery. *Nanotechnology*, **2005**, 16, S484-91	3.4	178
26	Cooperativity in forced unfolding of tandem spectrin repeats. *Biophysical Journal*, **2003**, 84, 533-44	2.9	145
25	Targeted worm micelles. *Biomacromolecules*, **2004**, 5, 1714-9	6.9	122
24	Single Molecule Visualization of Stable, Stiffness-Tunable, Flow-Conforming Worm Micelles. *Macromolecules*, **2003**, 36, 6873-6877	5.5	97
23	Elongation and fluctuations of semiflexible polymers in a nematic solvent. *Physical Review Letters*, **2004**, 92, 125503	7.4	59
22	Lipid droplet de novo formation and fission are linked to the cell cycle in fission yeast. *Traffic*, **2012**, 13, 705-14	5.7	55
21	Nucleotide-mediated conformational changes of monomeric actin and Arp3 studied by molecular dynamics simulations. *Journal of Molecular Biology*, **2008**, 376, 166-83	6.5	43
20	Biopolymer mimicry with polymeric wormlike micelles: Molecular weight scaled flexibility, locked-in curvature, and coexisting microphases. *Journal of Polymer Science, Part B: Polymer Physics*, **2004**, 42, 168-176	2.6	43
19	Crosslinked actin networks show liquid crystal elastomer behaviour, including soft-mode elasticity. *Nature Physics*, **2007**, 3, 354-360	16.2	41
18	Lipid Droplets: Formation to Breakdown. *Lipids*, **2017**, 52, 465-475	1.6	32
17	Molecular links among non-biodegradable nanoparticles, reactive oxygen species, and autophagy. *Advanced Drug Delivery Reviews*, **2017**, 122, 65-73	18.5	30
16	Actin protofilament orientation in deformation of the erythrocyte membrane skeleton. *Biophysical Journal*, **2000**, 79, 2987-3000	2.9	29
15	Key structural features of the actin filament Arp2/3 complex branch junction revealed by molecular simulation. *Journal of Molecular Biology*, **2012**, 416, 148-61	6.5	25
14	Lipid Droplets Form from Distinct Regions of the Cell in the Fission Yeast Schizosaccharomyces pombe. *Traffic*, **2016**, 17, 657-69	5.7	22
13	Dynamics of Wormlike Micelles in Elongational Flows. *Macromolecules*, **2006**, 39, 7144-7148	5.5	21
12	Synthetic cell elements from block copolymers hydrodynamic aspects. *Comptes Rendus Physique*, **2003**, 4, 251-258	1.4	20

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11	Molecular dynamics simulations of Arp2/3 complex activation. *Biophysical Journal*, **2010**, 99, 2568-76	2.9	19
10	The protein and neutral lipid composition of lipid droplets isolated from the fission yeast, Schizosaccharomyces pombe. *Journal of Microbiology*, **2017**, 55, 112-122	3	11
9	Flexibility transitions and looped adsorption of wormlike chains. *Journal of Polymer Science, Part B: Polymer Physics*, **2005**, 43, 280-286	2.6	10
8	Isolation of cellular lipid droplets: two purification techniques starting from yeast cells and human placentas. *Journal of Visualized Experiments*, **2014**,	1.6	9
7	Particle shape effects in vitro and in vivo. *Frontiers in Bioscience - Scholar*, **2012**, 4, 1344-53	2.4	6
6	Lipid droplet organelle distribution in populations of dividing cells studied by simulation. *Physical Biology*, **2013**, 10, 036007	3	4
5	Equilibrium binding of isolated and in-plasma high-density lipoproteins (HDLs) to polystyrene nanoparticles. *Journal of Nanoparticle Research*, **2020**, 22, 1	2.3	2
4	Elongated PEO-based nanoparticles bind the high-density lipoprotein (HDL) receptor scavenger receptor class B I (SR-BI). *Journal of Controlled Release*, **2021**, 337, 448-457	11.7	2
3	All-Atom Molecular Dynamics Simulations of Polyethylene Glycol (PEG) and LIMP-2 Reveal That PEG Penetrates Deep into the Proposed CD36 Cholesterol-Transport Tunnel.. *ACS Omega*, **2022**, 7, 15728-15738	3.9	0
2	Soft Filaments Circulate Longer Than Spherical Particles - Shape Effects in Flow and Drug Delivery **2007**, 125		
1	Nanobiomaterials for Cancer Therapy **2018**, 377-394		