

Achim Guckenberger

List of Publications by Year in descending order

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Version: 2024-02-01

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docs citations

9
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309
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory and algorithms to compute Helfrich bending forces: a review. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 203001.	1.8	83
2	On the bending algorithms for soft objects in flows. <i>Computer Physics Communications</i> , 2016, 207, 1-23.	7.5	67
3	Numerical “experimental observation of shape bistability of red blood cells flowing in a microchannel. <i>Soft Matter</i> , 2018, 14, 2032-2043.	2.7	59
4	Long-lived anomalous thermal diffusion induced by elastic cell membranes on nearby particles. <i>Physical Review E</i> , 2016, 93, 012612.	2.1	42
5	3D tomography of cells in micro-channels. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	38
6	Particle mobility between two planar elastic membranes: Brownian motion and membrane deformation. <i>Physics of Fluids</i> , 2016, 28, .	4.0	27
7	Lateral vesicle migration in a bounded shear flow: Viscosity contrast leads to off-centered solutions. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	12
8	A boundary integral method with volume-changing objects for ultrasound-triggered margination of microbubbles. <i>Journal of Fluid Mechanics</i> , 2018, 836, 952-997.	3.4	11
9	Vortical flow structures induced by red blood cells in capillaries. <i>Microcirculation</i> , 2021, 28, e12693.	1.8	6