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Soft Matter

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ISSN 1744–6848 CODEN SMOABF 22(3) 557–828 (2026)

Cover
See Steffen Hardt *et al.*, pp. 567–577.
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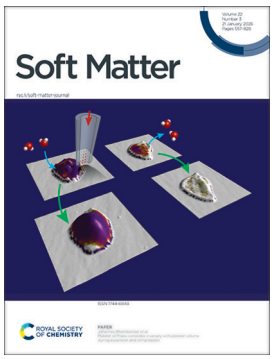

Inside cover
See Johannes Rheinlaender *et al.*, pp. 578–588.
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PAPERS

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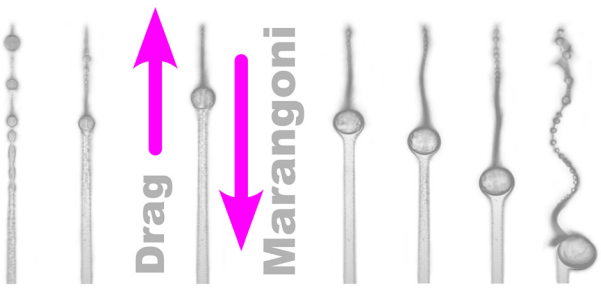
Upstream motion of oil droplets in co-axial Ouzo flow due to Marangoni forces

Steffen Bisswanger, Duarte Rocha, Sebastian Dehe, Christian Diddens, Tobias Baier, Detlef Lohse and Steffen Hardt*



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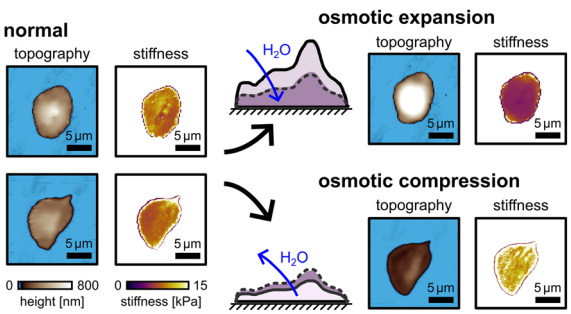
Platelet stiffness correlates inversely with platelet volume during expansion and compression

Konstantin Krutzke, Jan Seifert, Meinrad Gawaz, Tilman E. Schäffer* and Johannes Rheinlaender*



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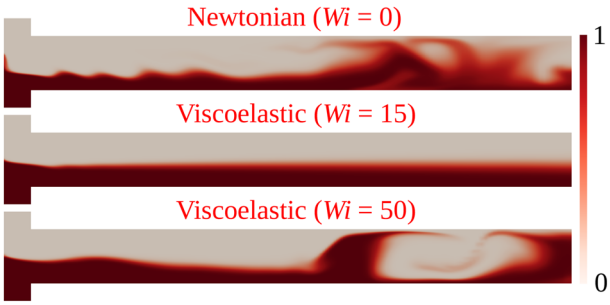
Electrokinetic and electro-elastic instabilities in viscoelastic microfluidic flows: suppression and augmentation in mixing efficiency

C. Sasmal,* T. Waghmare and A. Chauhan



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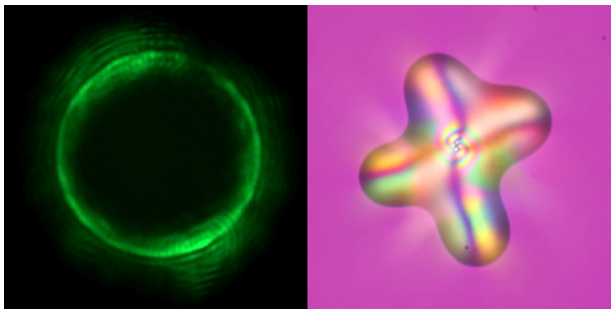
Whispering gallery mode study of phase transition and shape change in liquid crystal droplets

Arkalekha Neogi, Jaka Zaplotnik, Miha Ravnik and Igor Muševič*



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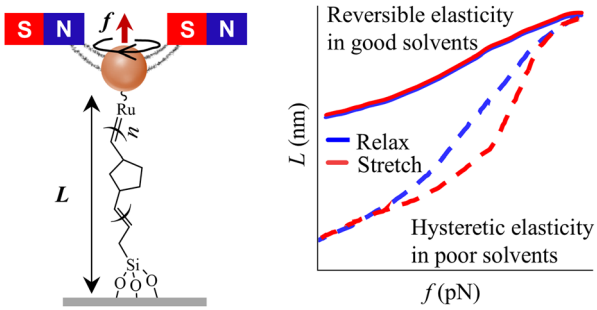
Solvent-induced single-chain conformations of a linear synthetic polymer

Susil Baral* and Binod Gautam



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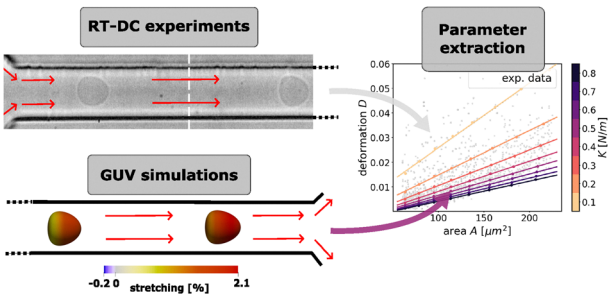
High-throughput mechanical characterization of giant unilamellar vesicles by real-time deformability cytometry

Maximilian Kloppe, Stefan J. Maurer, Tobias Abele, Kerstin Göpfrich and Sebastian Aland*



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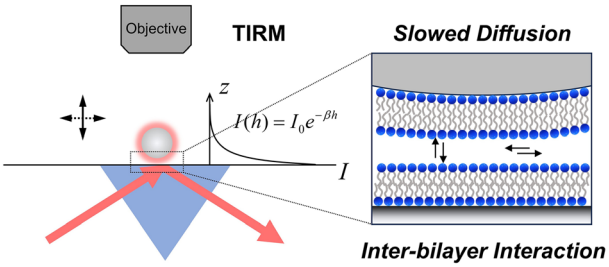

Lipid bilayer-mediated spatiotemporal correlation between near-wall confined motion of micro-carriers

Wei Liu, Jinwei Zhong, Pui Wo Felix Yeung, Xiahui Xiao, Yuwei Zhu* and To Ngai*

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Physical effects of hydrogel coatings on seed germination

Tori Melise Phillips, Joshua Green, Alvaro Sanz-Saez and Jean-François Louf*

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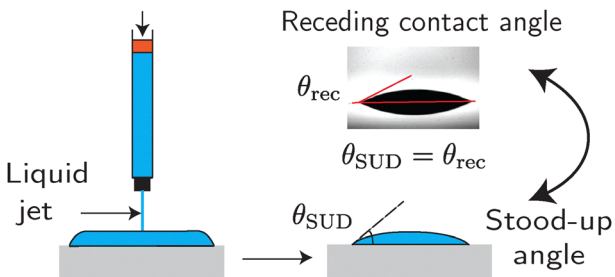

Stood-up drop to determine receding contact angles

Diego Díaz, Aman Bhargava, Franziska Walz, Azadeh Sharifi, Sajjad Summaly, Rüdiger Berger, Michael Kappl, Hans-Jürgen Butt, Detlef Lohse, Thomas Willers,* Vatsal Sanjay* and Doris Vollmer*

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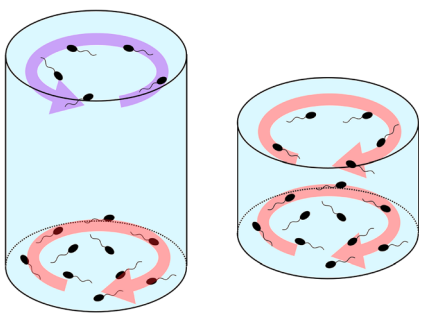

Rotation reversal of chiral bacterial vortices

Pyae Hein Htet and Eric Lauga*

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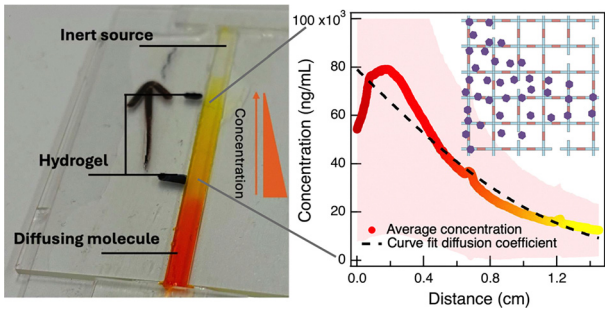
A technique to create hydrogels with tethered concentration gradients of molecules *in vitro*

Thomas C. O'Shea, Ahmad Salem and Kelly M. Schultz*



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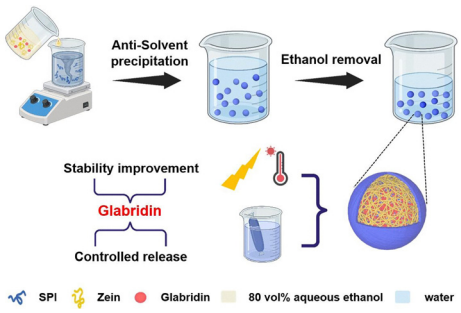
Preparation of functional Zein/*Spirulina* protein isolate nanocomposite particles for improved encapsulation of glabridin

Jie Mei, Chen Li, Beizhe Chang, Xiaomin Li, Yunxing Li,* Bingtian Zhao, Cheng Yang* and To Ngai*



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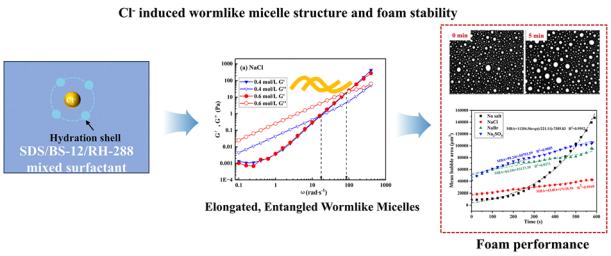
Effect of inorganic electrolytes on the interfacial behavior and foam properties of mixed surfactant systems containing silicone surfactants

Guolan Dou,* Peng Chen, Yuxin Wu, Xiaoxing Zhong and Botao Qin



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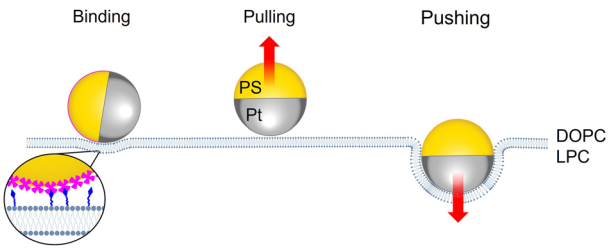
Engineering active colloidal dynamics at a lipid bilayer interface

Paige Liu, Robert K. Keane, Hima Nagamanasa Kandula and Peter J. Beltramo*



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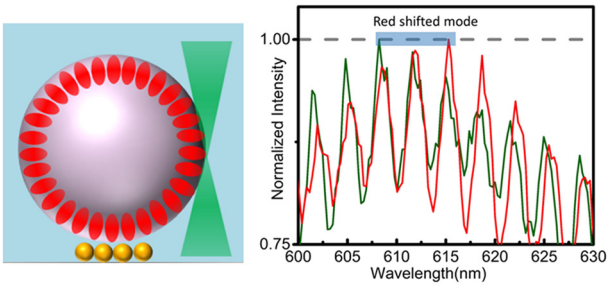

Optical tweezers assisted coupling of nematic droplets to gold nanoparticle clusters: effect on whispering gallery modes

Sumant Pandey* and G. V. Pavan Kumar*

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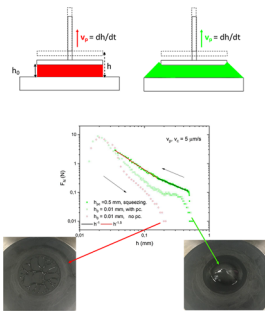

Delaying viscous fingering patterns during fluid detachment

Vítor Hugo de Oliveira Pereira and Wilson Barros Jr*

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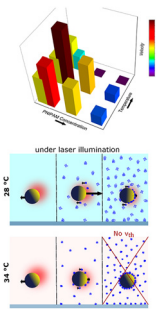

Tuning the velocity of thermophoretic microswimmers with thermo-sensitive polymers

Franziska Braun, Aritra K. Mukhopadhyay, Samad Mahmoudi, Kevin Gräff, Atieh Razavi, Carina Schneider, Sierk Lessnau, Benno Liebchen and Regine von Klitzing*

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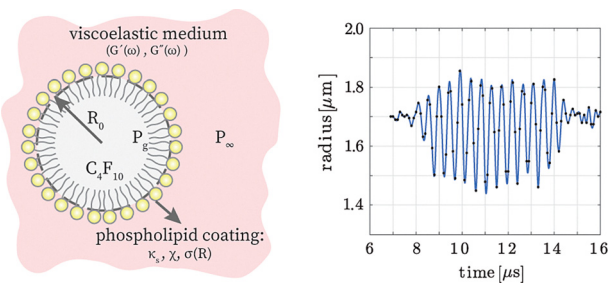

Microbubble-based measurement of shear and loss moduli in polyacrylamide hydrogels at MHz frequencies

Ali Rezaei, Kay Dijs, David Fernandez Rivas, Jacco H. Snoeijer, Michel Versluis and Guillaume Lajoinie*

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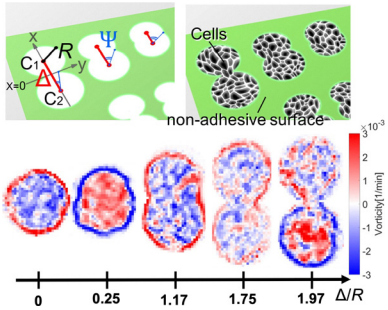
Boundary-shape driven transitions in vortex and oscillatory dynamics of confined epithelial cells

Ryo Ienaga, Kazuyuki Shigeta, Tatsuya Fukuyama, Kazusa Beppu* and Yusuke T. Maeda*



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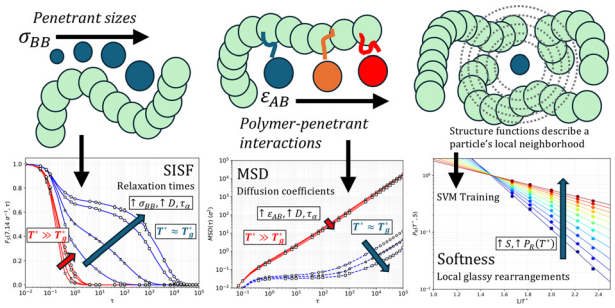
Small particle dynamics in glassy polymers: diffusion, relaxation, and machine-learned softness

S. J. Layding and R. A. Riggleman*



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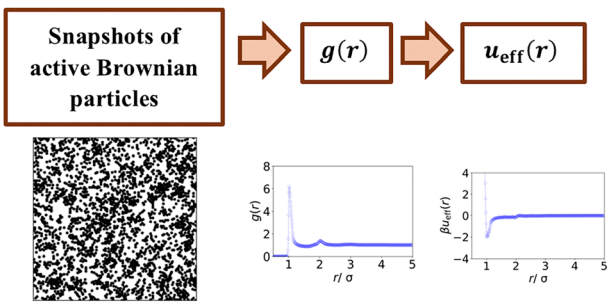
Effective interactions in active Brownian particles

Clare R. Rees-Zimmerman,*
C. Miguel Barriuso Gutierrez,
Chantal Valeriani and Dirk G. A. L. Aarts



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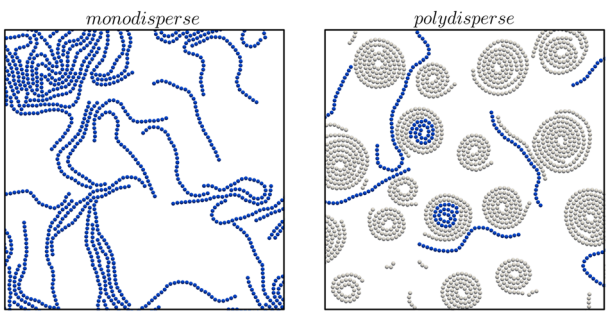
Collective filament wrapping and nested spiral formation in active polydisperse systems

Caterina Landi, Giulia Janzen, Francesco Sciortino, John Russo, Chantal Valeriani* and Daniel A. Matoz-Fernandez*



CORRECTION

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Correction: Errors matter when measuring Poisson's ratio of nearly incompressible elastomers

Robert D. Nedoluha, Majed N. Saadawi and Christopher W. Barney*

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