

# Soft Matter

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### Cover

See Remco Tuinier *et al.*, pp. 7582–7593. Image reproduced by permission of Eleonora Foschino, Irene E. Hulsen, Alessandro Ianiro, Remco Tuinier and Mark Vis from *Soft Matter*, 2025, 21, 7582. Image credit: Silvia Valeria Boretti



### Inside cover

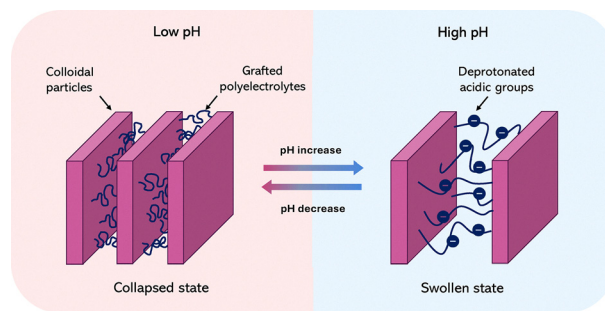
See F. Zhou, B. N. J. Persson *et al.*, pp. 7594–7609. Image reproduced by permission of Ruibin Xu from *Soft Matter*, 2025, 21, 7594.

## PAPERS

7582

### Self-consistent field description of polyelectrolyte-grafted colloidal actuators

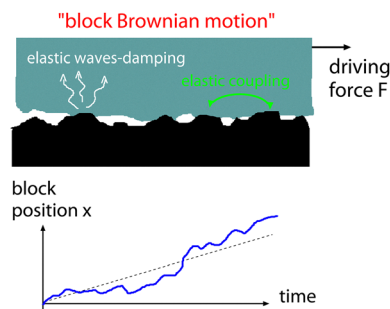
Eleonora Foschino, Irene E. Hulsen, Alessandro Ianiro, Remco Tuinier\* and Mark Vis



7594

### Friction dynamics: displacement fluctuations during sliding friction

R. Xu, F. Zhou\* and B. N. J. Persson\*



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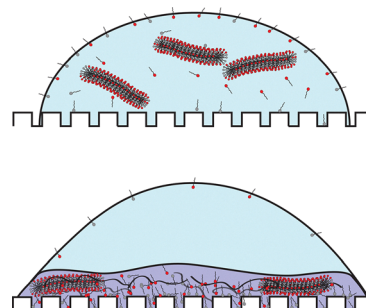


## PAPERS

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### Tunable phase separation and interfacial behaviour of mixed surfactant micelle–polymer complex coacervates

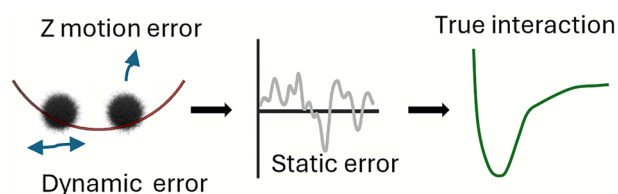
Sulochana Ekanayaka Mudiyansele, Qutell Adderley, Marne Pierre, Sai Venkatesh Pingali and Amy Y. Xu\*



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### Quantifying experimental errors in measuring colloidal interaction potentials with optical tweezers

José Muñetón-Díaz, Augustin Muster, Luis S. Froufe-Pérez, Frank Scheffold\* and Chi Zhang\*

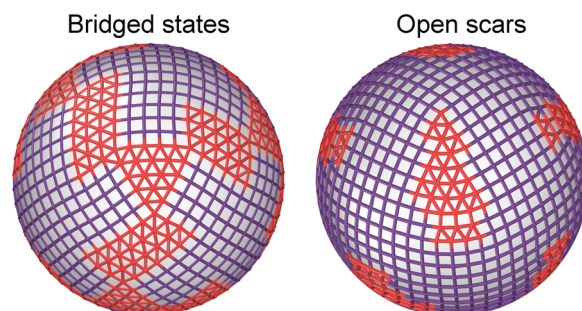


Decoupling and correcting experimental errors in optical tweezer measurements

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### Transitional patterns on a spherical surface: from scars to domain defects of mixed lattices

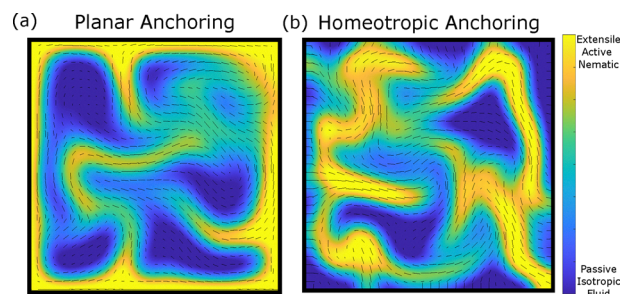
Wenyu Liu, Han Xie, Yu Du, Baohui Li,\* Jeff Z. Y. Chen\* and Yao Li\*



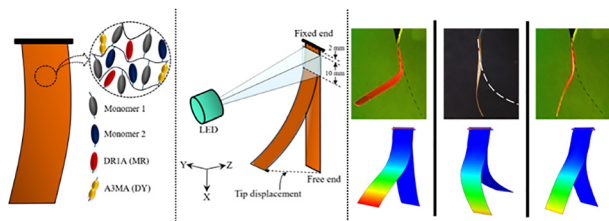
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### Active sorting to boundaries in active nematic–passive isotropic fluid mixtures

Saraswat Bhattacharyya and Julia M. Yeomans\*



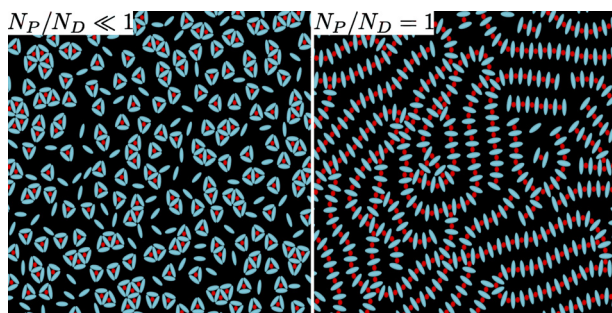
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### Multi-wavelength actuation of dual-dye-doped liquid crystal network thin films: experiments and simulations

C. S. Neeraj, Divya Jayoti, Akhil Reddy Peeketi and Ratna Kumar Annabattula\*

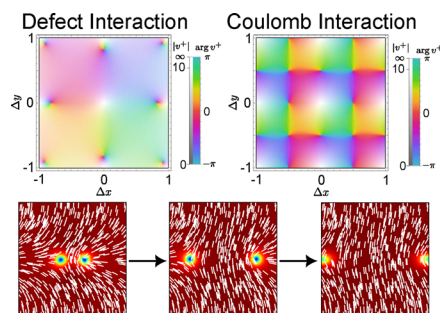
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### Directed assembly of binary suspensions of magnetizable ellipsoids

David H. Harris and Isaac Torres-Díaz\*

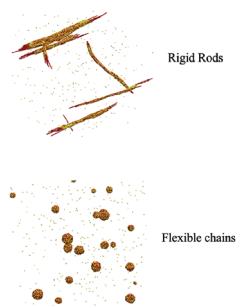
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### Defect interactions through periodic boundaries in two-dimensional *p*-atics

Cody D. Schimming

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### Bridging-induced aggregation in neutral polymers: dynamics and morphologies

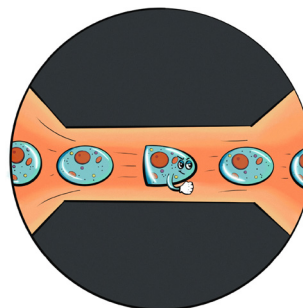
Hitesh Garg and Satyavani Vemparala\*



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## A unified approach to suspension cell mechanics

Muzaffar H. Panhwar, Peter Nestler,  
Yesaswini Komaragiri, Doreen Biedenweg, Bob Fregin,  
Eric Sündermann, Stefan Groß and Oliver Otto\*



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## Surfactant-laden micro-scale droplet coalescence in Bancroft-breaking systems

Yun Chen, Negin Bahadori and Cari S. Dutcher\*

