

# Soft Matter

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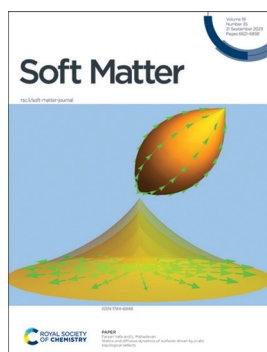
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See Md Mezbah Uddin and Siva A. Vanapalli, pp. 6641–6651. Image reproduced by permission of Siva Vanapalli from *Soft Matter*, 2023, 19, 6641.



### Inside cover

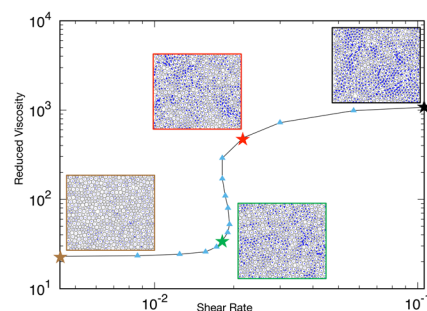
See Farzan Vafa and L. Mahadevan, pp. 6652–6663. Image reproduced by permission of Farzan Vafa from *Soft Matter*, 2023, 19, 6652.

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Abhinendra Singh\* and Kuniyasu Saitoh

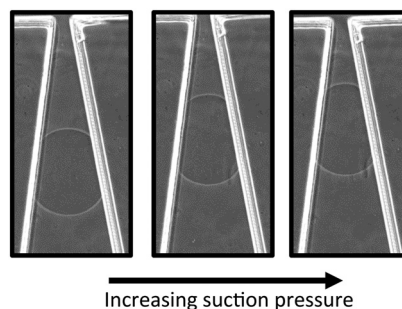


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### Microfluidic tapered aspirators for mechanical characterization of microgel beads

Md Mezbah Uddin and Siva A. Vanapalli\*



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Soft Matter (electronic: ISSN 1744-6848)

is published 48 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

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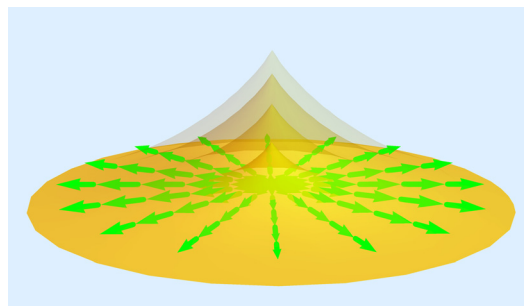


## PAPERS

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**Statics and diffusive dynamics of surfaces driven by *p*-atic topological defects**

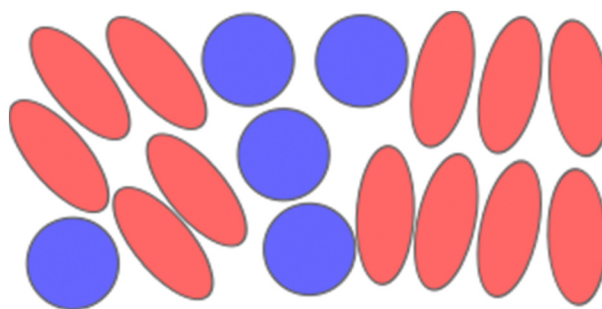
Farzan Vafa\* and L. Mahadevan



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**Active nematics with deformable particles**

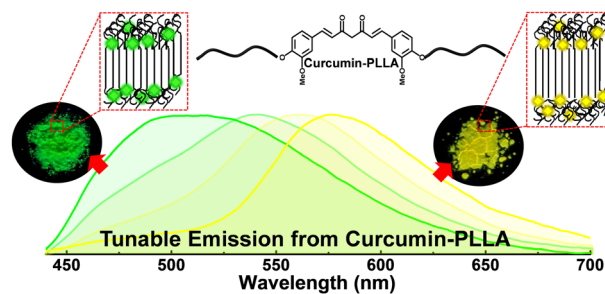
Ioannis Hadjifrangiskou,\* Liam J. Ruske and Julia M. Yeomans



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**Impact of polymer chain packing and crystallization on the emission behavior of curcumin-embedded poly(L-lactide)s**

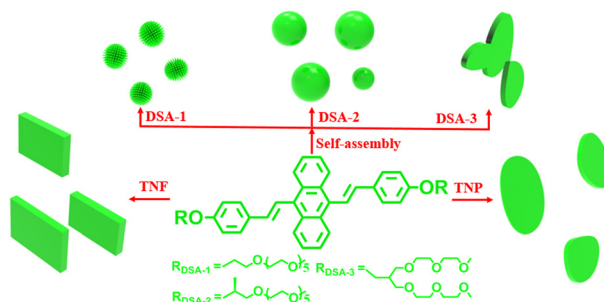
G. Virat, Kaustabh Kumar Maiti, R. B. Amal Raj and E. Bhoje Gowd\*



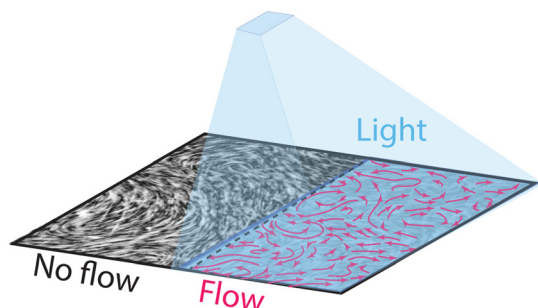
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**Supramolecular nanostructures of coil-rod-coil molecules containing a 9,10-distyrylanthracene group in aqueous solution and their optical properties of assemblies**

Xiaoliang Gou, Jie Lu, Hui-Yu Zhao, Yi-Rong Pei\* and Long Yi Jin\*



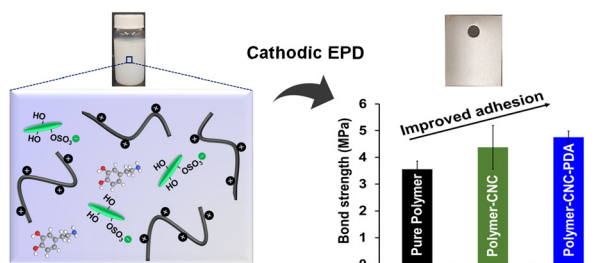
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### Light-activated microtubule-based two-dimensional active nematic

Zahra Zarei, John Berezney, Alexander Hensley, Linnea Lemma, Nesrin Senbil, Zvonimir Dogic and Seth Fraden\*

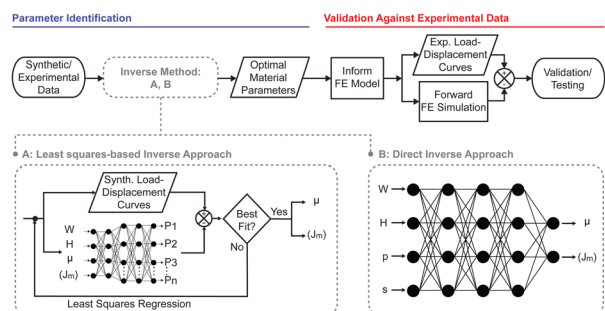
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### Cathodic electrodeposition of organic nanocomposite coatings reinforced with cellulose nanocrystals

Siham Atifi and Wadood Y. Hamad\*

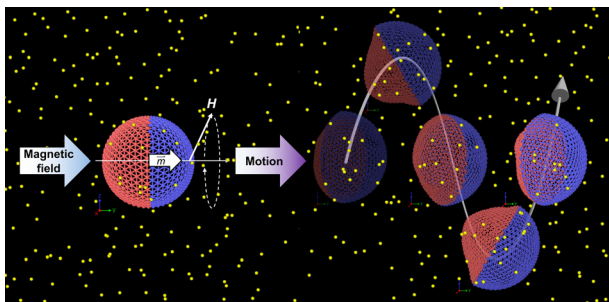
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### AI-dente: an open machine learning based tool to interpret nano-indentation data of soft tissues and materials

Patrick Giolando, Sotirios Kakaletsis, Xuesong Zhang, Johannes Weickenmeier, Edward Castillo, Berkin Dortdivanlioglu\* and Manuel K. Rausch

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### Janus magnetoelastic membrane swimmers

Yao Xiong, Hang Yuan and Monica Olvera de la Cruz\*

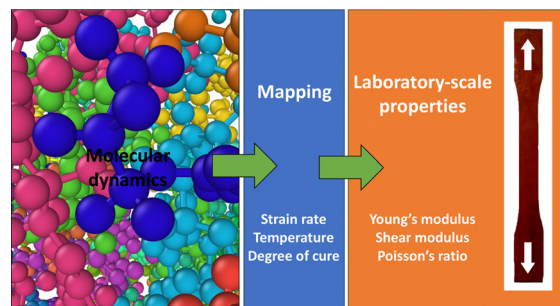


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### Simple and convenient mapping of molecular dynamics mechanical property predictions of bisphenol-F epoxy for strain rate, temperature, and degree of cure

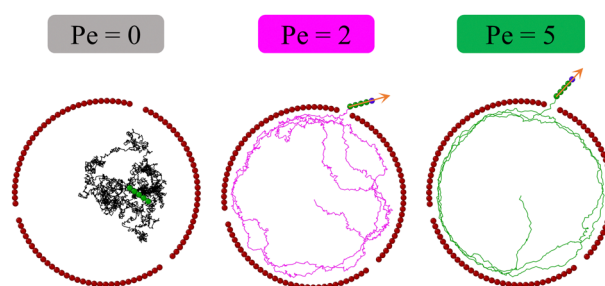
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### Escape dynamics of a self-propelled nanorod from circular confinements with narrow openings

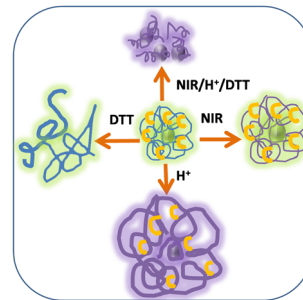
Praveen Kumar and Rajarshi Chakrabarti\*



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### NIR light, pH, and redox-triple responsive nanogels for controlled release

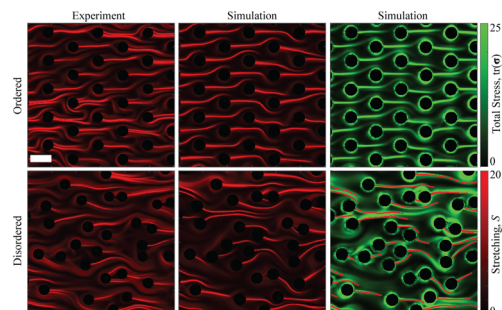
Shuo Chen, Shuai Yuan,\* Qing Bian\* and Bo Wu\*



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### Stress and stretching regulate dispersion in viscoelastic porous media flows

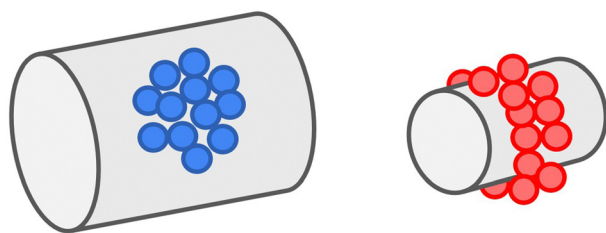
Manish Kumar, Derek M. Walkama, Arezoo M. Ardekani and Jeffrey S. Guasto\*





## PAPERS

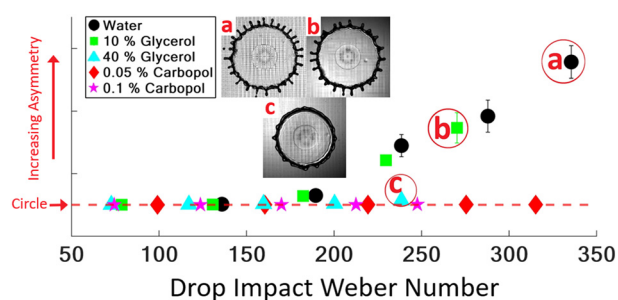
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### Tube geometry controls protein cluster conformation and stability on the endoplasmic reticulum surface

Liam T. Kischuck and Aidan I. Brown\*

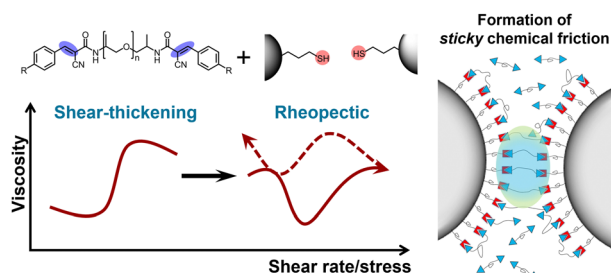
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### Influence of rheology and micropatterns on spreading, retraction and fingering of an impacting drop

Santhosh Kumar Pandian, Matheu Broom, Miguel Balzan and Geoff R. Willmott\*

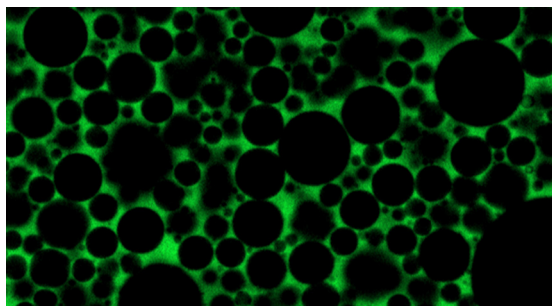
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### Dynamic-bond-induced sticky friction tailors non-Newtonian rheology

Hojin Kim, Mike van der Naald, Neil D. Dolinski, Stuart J. Rowan\* and Heinrich M. Jaeger\*

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### Experimental observations of fractal landscape dynamics in a dense emulsion

Clary Rodríguez-Cruz, Mehdi Molaei, Amruthesh Thirumalaiswamy, Klebert Feitosa, Vinothan N. Manoharan, Shankar Sivarajan, Daniel H. Reich, Robert A. Riggelman and John C. Crocker\*

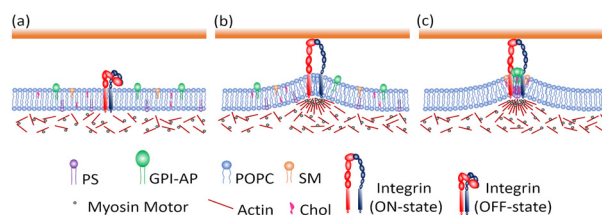


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## Clustering of lipids driven by integrin

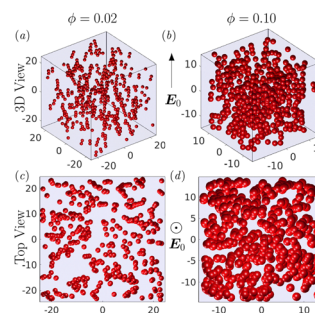
Tapas Singha,\* Anirban Polley and Mustansir Barma



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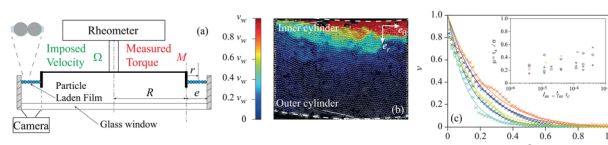
Debasish Das\* and David Saintillan



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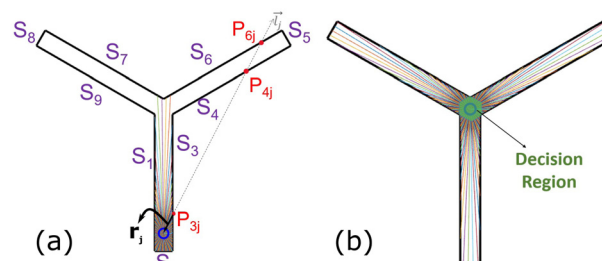
Jonathan Lalieu,\* Antoine Seguin and Georges Gauthier



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## Pathway selection by an active droplet

Shiva Dixit,\* Aarsh Chotalia, Shantanu Shukla, Tanushree Roy and P. Parmananda



## CORRECTIONS

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**Correction: Cross-linkable, phosphobetaine-based, zwitterionic amphiphiles that form lyotropic bicontinuous cubic phases**

Lauren N. Bodkin, Zachary A. Krajnak, Ruiqi Dong, Chinedum O. Osuji and Douglas L. Gin\*

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**Correction: A generalized method for alignment of block copolymer films: solvent vapor annealing with soft shear**

Zhe Qiang, Yuanzhong Zhang, Jesse A. Groff, Kevin A. Cavicchi\* and Bryan D. Vogt\*

