

# Soft Matter

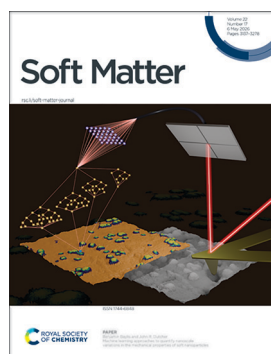
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### Cover

See Benjamin Baylis and John R. Dutcher, pp. 3143–3155. Image reproduced by permission of Benjamin Baylis from *Soft Matter*, 2026, 22, 3143.



### Inside cover

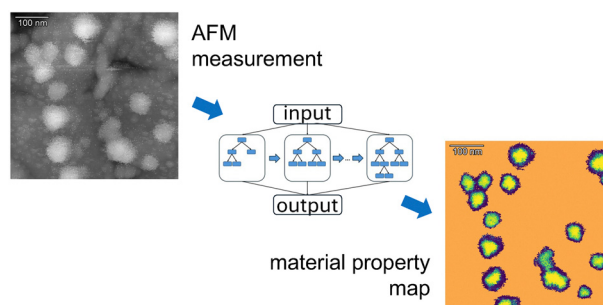
See Kyle J. M. Bishop, Bhuvnesh Bharti *et al.*, pp. 3156–3164. Image reproduced by permission of Bhuvnesh Bharti from *Soft Matter*, 2026, 22, 3156.

## PAPERS

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### Machine learning approaches to quantify nanoscale variations in the mechanical properties of soft nanoparticles

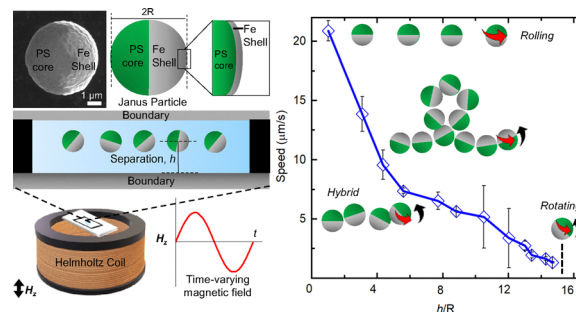
Benjamin Baylis and John R. Dutcher\*



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### Steady rotation and wall-mediated dynamics of magnetic Janus particles in oscillating fields

Amrutha Raghu, Kyle J. M. Bishop\* and Bhuvnesh Bharti\*



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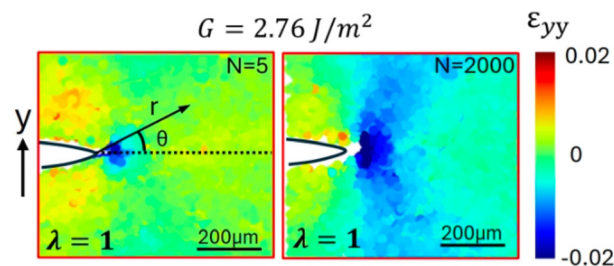
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### Microscopic measurement of the local deformation field establishes the mechanistic origin of the fatigue threshold for soft brittle materials

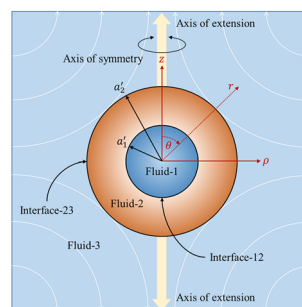
Umut Altuntas, Chenzhuo Li and John Martin Kolinski\*



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### Morphology of compound viscoelastic drops in extensional flows

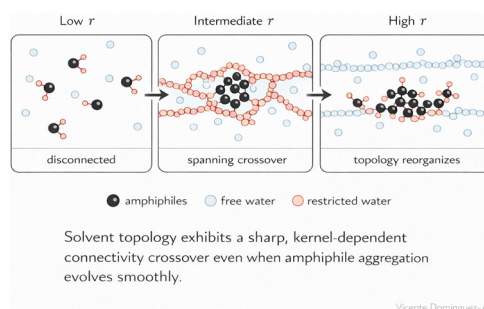
Malay Vyas and Uddipta Ghosh\*



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### A solvent-topology perspective on hydrophobic aggregation

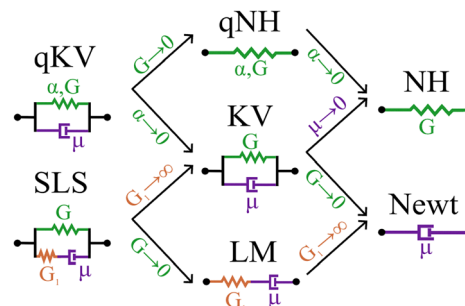
Vicente Dominguez-Arca



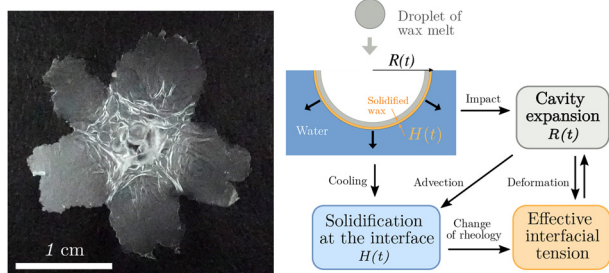
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### Hierarchical Bayesian constitutive model selection for high-strain-rate soft material characterization

Victor Sanchez, Sawyer Remillard, Bachir A. Abeid, Lehu Bu, Spencer H. Bryngelson, Jin Yang, Jonathan B. Estrada and Mauro Rodriguez Jr.\*



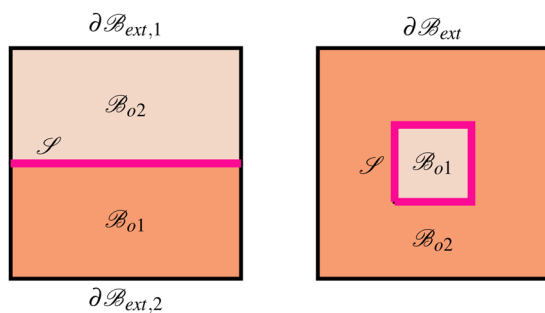
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### Effective interfacial tension of a film solidified during the collision of a molten wax droplet with a water surface

So Kitsunezaki,\* Rina Nakashioya, Chihiro Uemura and Akio Nakahara

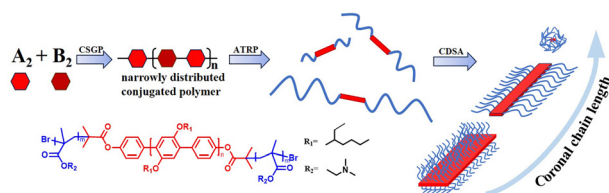
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### Thermal dehydration of swollen heterogeneous soft materials

Michele Curatolo, Giuseppe Tomassetti, Ruud van der Sman and Luciano Teresi\*

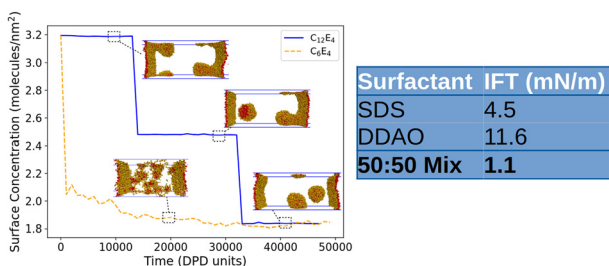
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### Morphological transitions in the crystallization-driven self-assembly of narrowly distributed $\pi$ -conjugated triblock copolymers

Bin Huang, Donglai Tian, Zhubin Liu, Yanchen Deng, Guiyou Wang\* and Aiguo Hu\*

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### Quantitative prediction of oil–water interfacial tension in surfactant systems using dissipative particle dynamics

Rachel L. Hendrikse,\* Carlos Amador, Matthew Davies and Mark R. Wilson\*

