

# Soft Matter

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### Cover

See Ernesto Di Maio *et al.*, pp. 1455–1470. Image reproduced by permission of Zhe Wang and Jingyi Zhang from *Soft Matter*, 2025, 21, 1455.



### Inside cover

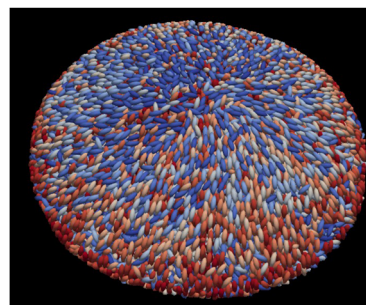
See Ryota Tamate *et al.*, pp. 1471–1478. Image reproduced by permission of Ryota Tamate from *Soft Matter*, 2025, 21, 1471.

## PERSPECTIVE

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### Morphogenesis of confined biofilms: how mechanical interactions determine cellular patterning and global geometry

Kee-Myoung Nam and Jing Yan\*

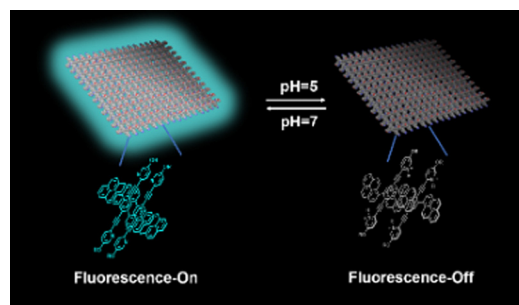


## COMMUNICATION

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### Fluorescence-switching 2-D sheet structure formed by self-assembly of cruciform aromatic amphiphiles

Wei Zhang, Yongsheng Li, Tianyi Zheng, Ying Xie,\* Xianyin Dai and Myongsoo Lee\*



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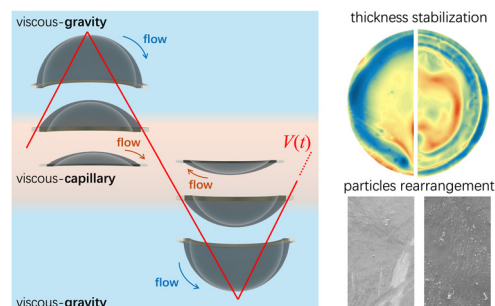
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## Thin free-standing liquid films manipulation: device design to turn on/off gravity in flow regimes for thickness map control and for material structuring

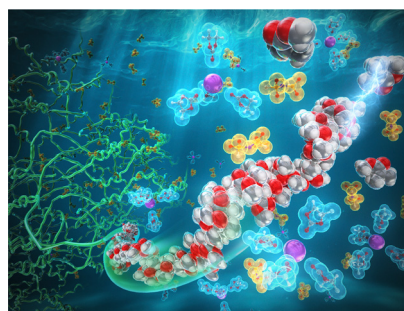
Paolo Iaccarino, Zhe Wang, Andrea Marfuggi, Simone Russo, Vincenzo Ferraro, Giuseppe Vitiello, Sara Coppola and Ernesto Di Maio\*



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## In situ formation of ultrahigh molecular weight polymers in highly concentrated electrolytes and their physicochemical properties

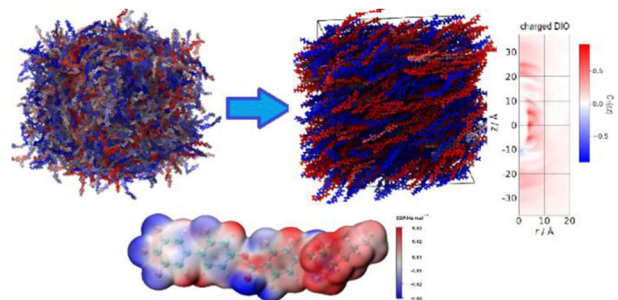
Yuji Kamiyama, Takeshi Ueki and Ryota Tamate\*



1479

## Impact of charge distribution on the stability of ferroelectric nematic liquid crystals

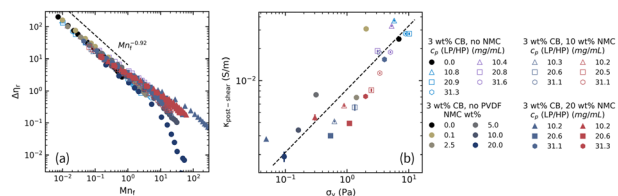
Matheus de Mello,\* Mark Richard Wilson and Takeaki Araki\*



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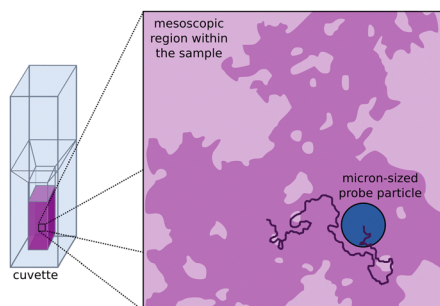
## Physical scaling for predicting shear viscosity and memory effects of lithium-ion battery cathode slurries

Yoshita Gupta, Qingsong Liu and Jeffrey J. Richards\*



## PAPERS

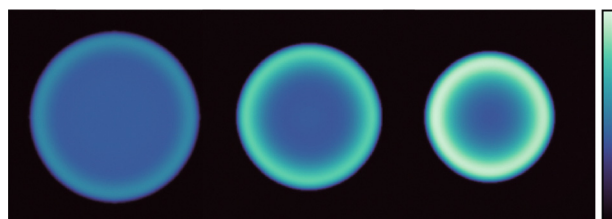
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### Microrheological model for Kelvin–Voigt materials with micro-heterogeneities

T. N. Azevedo, K. M. Oliveira, H. P. Maia, A. V. N. C. Teixeira and L. G. Rizzi\*

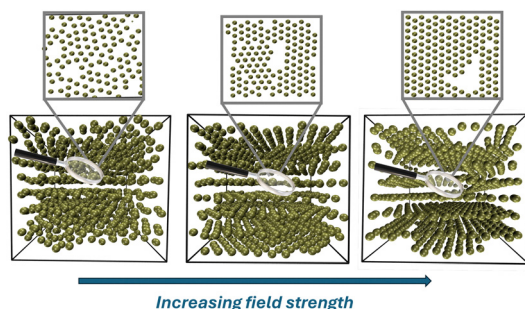
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### Diffusive evaporation dynamics in polymer solutions is ubiquitous

Max Huisman, Wilson C. K. Poon, Patrick B. Warren, Simon Titmuss and Davide Marenduzzo\*

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### Structural transitions of ionic microgel solutions driven by circularly polarized electric fields

Markus Reich, Thiago Colla\* and Christos N. Likos

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### Collective dynamics of intelligent active Brownian particles with visual perception and velocity alignment in 3D: spheres, rods, and worms

Zhaoxuan Liu and Marjolein Dijkstra\*



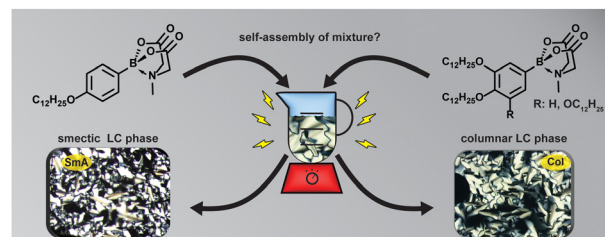


## PAPERS

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## Liquid crystalline self-assembly of mixtures of rod- and wedge-shaped MIDA boronates

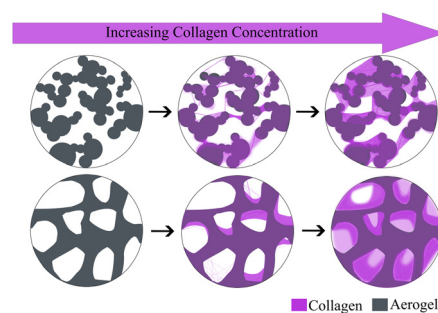
Christopher Schilling, Soeren M. Bauch, Eugen Wuckert, Anna Zens, Johanna R. Bruckner and Sabine Laschat\*



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## Influence of aerogel mechanical properties on collagen micromorphology and its architecture

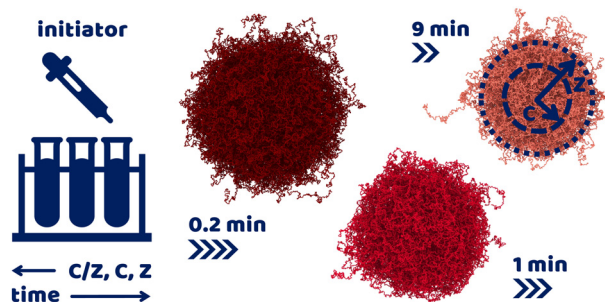
Martina Rodriguez Sala, Omar Skalli, Swetha Chandrasekaran, Marcus Worsley, Nicholas Leventis and Firouzeh Sabri\*



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## Fine-tuning the architecture of microgels by varying the initiator addition time

Elena Buratti, Fabrizio Camerin, Valentina Nigro, Silvia Franco, José Ruiz-Franco, Lionel Porcar, Roberta Angelini, Barbara Ruzicka, Yuri Gerelli and Emanuela Zaccarelli\*



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## Viscoelastic behavior of wormlike micellar solutions formed by an aspartame-based bicephalous anionic surfactant

Bin Qiu, Zhao Chen, Xiaomei Pei, Zhenggang Cui and Binglei Song\*

