

# Soft Matter

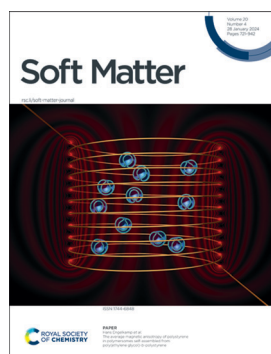
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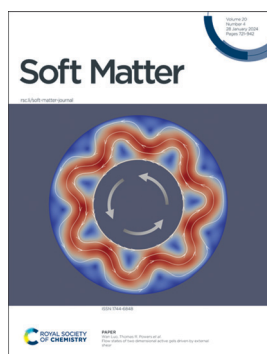
## IN THIS ISSUE

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### Cover

See Hans Engelkamp *et al.*, pp. 730–737. Image reproduced by permission of Hans Engelkamp from *Soft Matter*, 2024, 20, 730.



### Inside cover

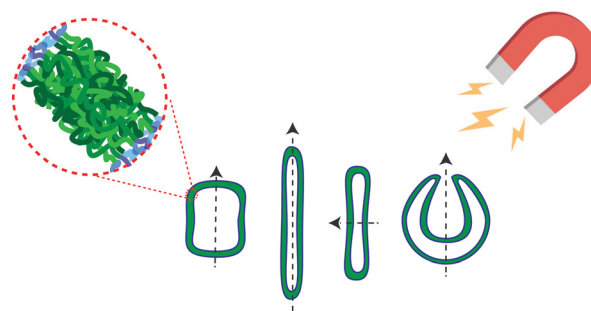
See Wan Luo, Thomas R. Powers *et al.*, pp. 738–753. Image reproduced by permission of Wan Luo, Aparna Baskaran, Robert A. Pelcovits and Thomas R. Powers from *Soft Matter*, 2024, 20, 738.

## PAPERS

730

### The average magnetic anisotropy of polystyrene in polymersomes self-assembled from poly(ethylene glycol)-*b*-polystyrene

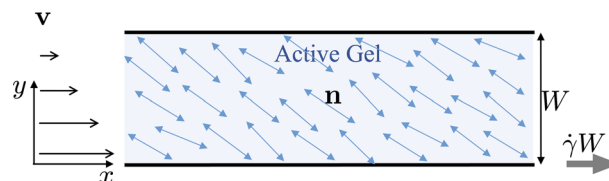
Roger S. M. Rikken, Sandra Kleuskens, Loai K. E. A. Abdelmohsen, Hans Engelkamp,\* Roeland J. M. Nolte, Jan C. Maan, Jan C. M. van Hest, Daniela A. Wilson and Peter C. M. Christianen



738

### Flow states of two dimensional active gels driven by external shear

Wan Luo,\* Aparna Baskaran, Robert A. Pelcovits and Thomas R. Powers\*



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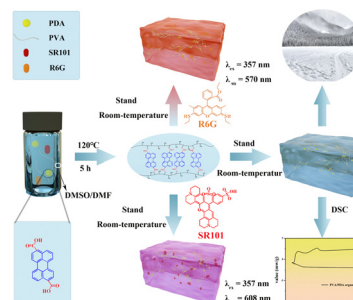
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754

## An anti-freeze fluorescent organogel with rapid shape-forming properties for constructing artificial light harvesting systems used in extremely cold environments

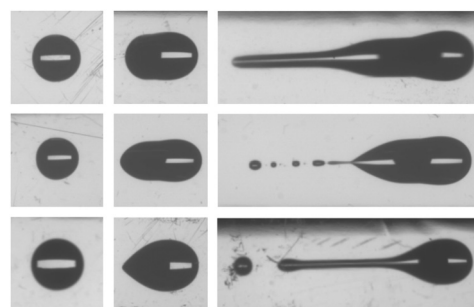
Xinxian Ma,\* Jiahong Tang, Tianqi Ren, Jiali Zhang, Jiuzhi Wei, Yuehua Liang, Juan Zhang, Enke Feng and Xinning Han



762

## Morphology and stability of droplets sliding on soft viscoelastic substrates

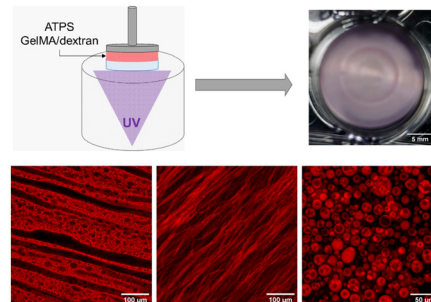
Mathieu Oléron, Laurent Limat, Julien Dervaux and Matthieu Roché\*



773

## Structuring gelatin methacryloyl – dextran hydrogels and microgels under shear

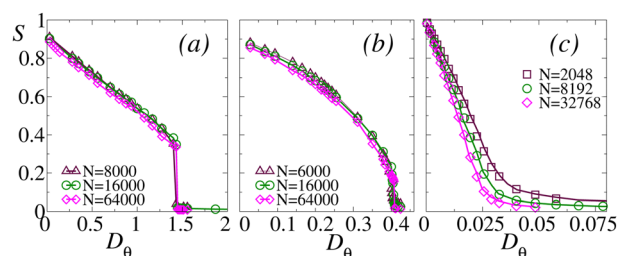
Ghazi Ben Messaoud,\* Evdokia Stefanopoulou, Mattis Wachendörfer, Sanja Aveic, Horst Fischer and Walter Richtering\*



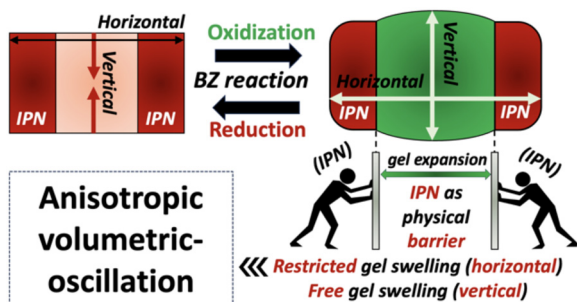
788

## How reciprocity impacts ordering and phase separation in active nematics?

Arpan Sinha and Debasish Chaudhuri\*



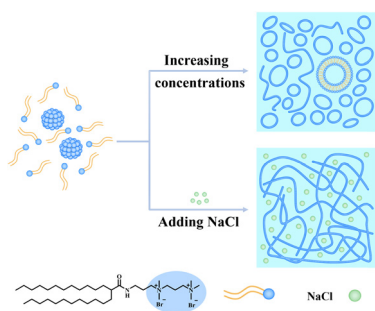
796



## Anisotropically self-oscillating gels by spatially patterned interpenetrating polymer network

Suwen Lee, Won Seok Lee, Takafumi Enomoto, Aya Mizutani Akimoto and Ryo Yoshida\*

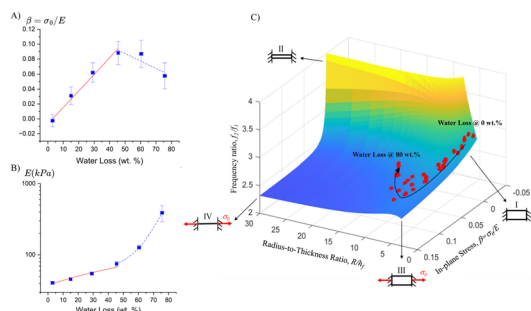
804



## Toroidal micelles formed in viscoelastic aqueous solutions of a double-tailed surfactant with two quaternary ammonium head groups

Zhengrong Lin, Hongye Li, Jinpeng Zhang, Xiaomei Pei, Zhao Chen, Zhenggang Cui and Binglei Song\*

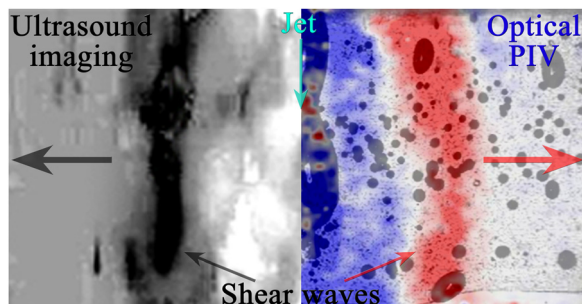
813



## Characterization of drying-induced changes in moduli and internal stresses in a constrained gel using laser vibrometry

Karthik Yerrapragada, Haocheng Yang, Wonhyeok Lee and Melih Eriten\*

823



## High-speed ultrasound imaging of bubbly flows and shear waves in soft matter

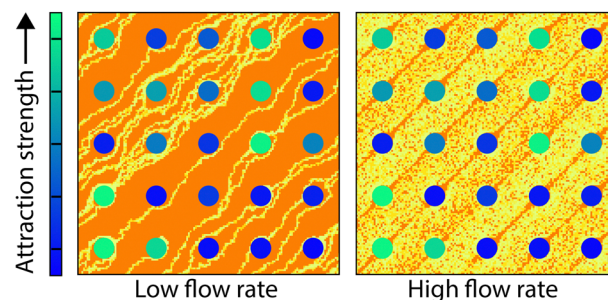
Juan Manuel Rosselló,\* Saber Izak Ghasemian and Claus-Dieter Ohl



837

## Particle dispersion through porous media with heterogeneous attractions

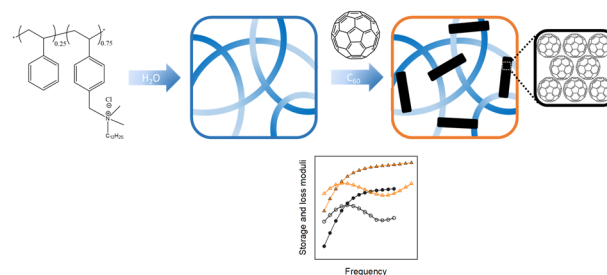
Wilfred Kwabena Darko, Deepak Mangal, Jacinta C. Conrad and Jeremy C. Palmer\*



848

## Elaboration and rheological characterization of nanocomposite hydrogels containing C<sub>60</sub> fullerene nanoplatelets

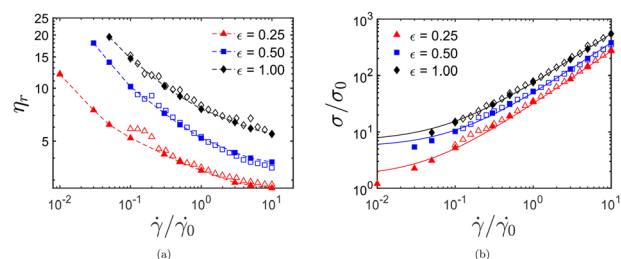
Théo Merland,\* Mathieu Berteau, Marc Schmutz, Stéphanie Legoupy, Taco Nicolai, Lazhar Benyahia and Christophe Chassenieux



856

## Rheology of bi-disperse dense fiber suspensions

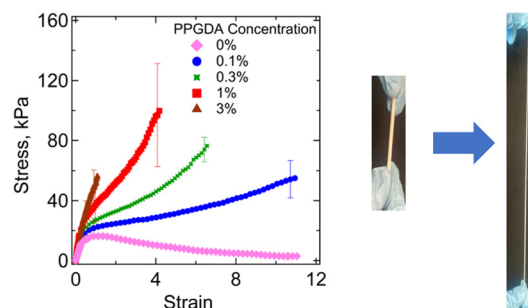
Monsurul Khan, Ria D. Corder, Kendra A Erk and Arezoo M. Ardekani\*



869

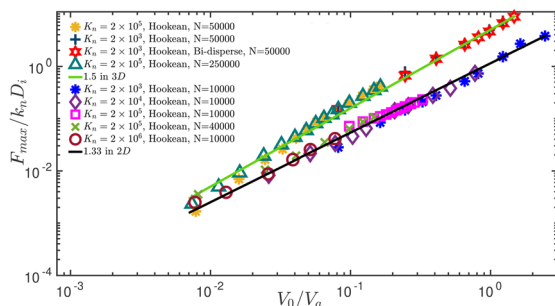
## Effects of concentration of hydrophobic component and swelling in saline solutions on mechanical properties of a stretchable hydrogel

Anandavalli Varadarajan, Rosa Maria Badani Prado, Katherine Elmore, Satish Mishra and Santanu Kundu\*





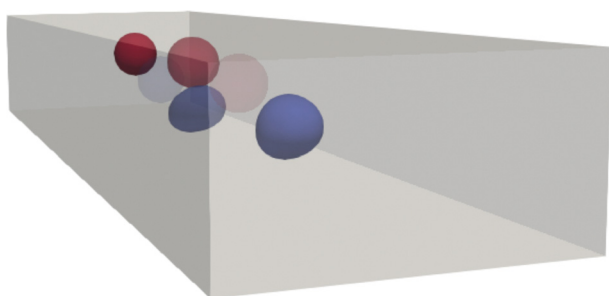
877



## High speed impact on granular media: breakdown of conventional inertial drag models

Manish Kumar Mandal and Saikat Roy\*

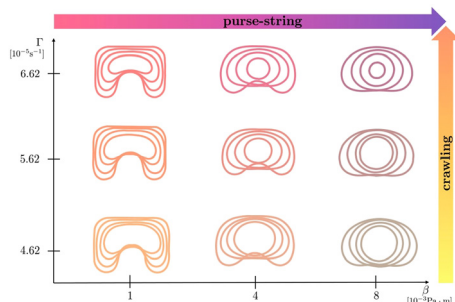
887



## Numerical investigation of heterogeneous soft particle pairs in inertial microfluidics

Benjamin Owen, Krishnaveni Thota and Timm Krüger\*

900

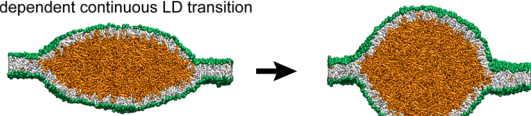


## Geometric control by active mechanics of epithelial gap closure

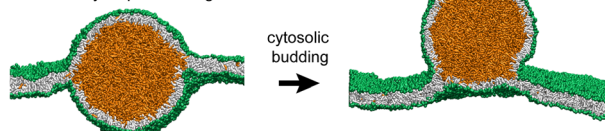
G. Pozzi and P. Ciarletta\*

909

Size-independent continuous LD transition



Energetically neutral LD budding by inter-monolayer lipid exchange



## Molecular mechanisms and energetics of lipid droplet formation and directional budding

Fatemeh Kazemisabet, Arash Bahrami, Rikhia Ghosh, Bartosz Różycki and Amir H. Bahrami\*

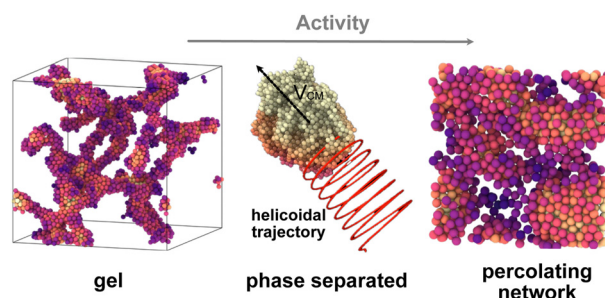


## PAPERS

923

# Phase behaviour and dynamics of three-dimensional active dumbbell systems

C. B. Caporusso, G. Negro,\* A. Suma, P. Digregorio, L. N. Carenza, G. Gonnella and L. F. Cugliandolo



## CORRECTION

940

## Correction: Development of tissue-engineered vascular grafts from decellularized parsley stems

Merve Cevik and Serkan Dikici\*

