

# Soft Matter

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## IN THIS ISSUE

ISSN 1744-6848 CODEN SMOABF 20(13) 2873-3024 (2024)



### Cover

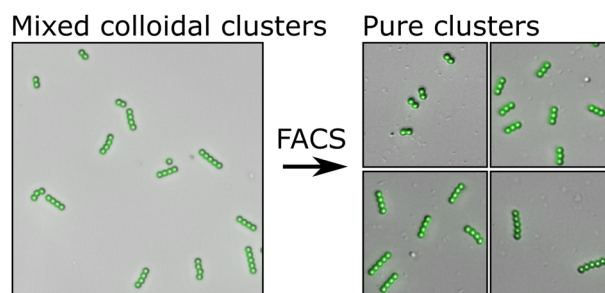
See Raúl Bayoán Cal *et al.*,  
pp. 2887–2891.  
Image reproduced  
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Karl Cardin from  
*Soft Matter*,  
2024, 20, 2887.

## COMMUNICATION

2881

### Fluorescence-activated cell sorting (FACS) for purifying colloidal clusters

Steven van Kesteren, Pascal Diethelm and Lucio Isa\*

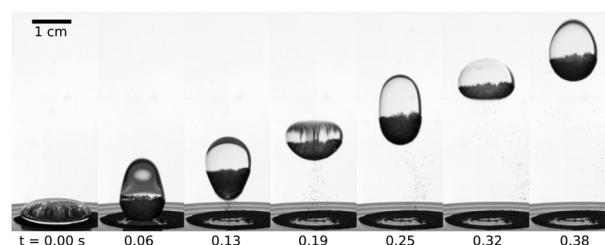


## PAPERS

2887

### Droplet jump from a particle bed

Karl Cardin, Facundo Cabrera-Booman and  
Raúl Bayoán Cal\*



# RSC Applied Interfaces

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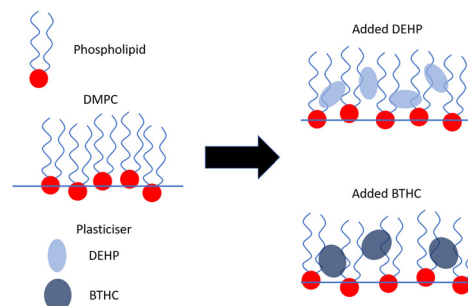
Fundamental questions  
Elemental answers

## PAPERS

2892

### Understanding interactions of plasticisers with a phospholipid monolayer

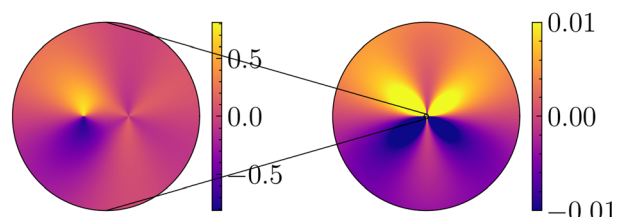
Emil Gustafsson,\* Maja S. Hellsing, Adrian R. Rennie,\*  
Rebecca J. L. Welbourn, Mario Campana, Arwel Hughes,  
Peixun Li and Tim Melander Bowden



2900

### A computational study of nematic core structure and disclination interactions in elastically anisotropic nematics

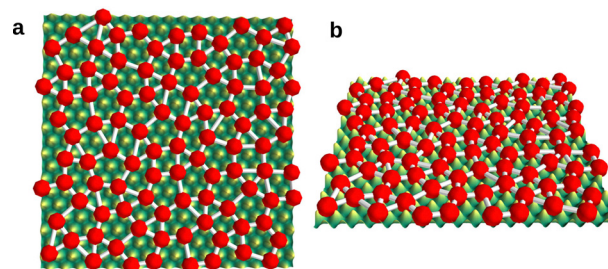
Lucas Myers,\* Carter Swift, Jonas Rønning,  
Luiza Angheluta and Jorge Viñals



2915

### Tuning the stability of a model quasicrystal and its approximants with a periodic substrate

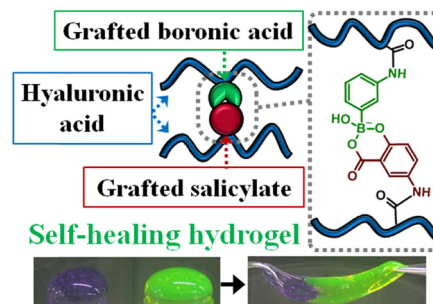
Nydia Roxana Varela-Rosales and Michael Engel\*



2926

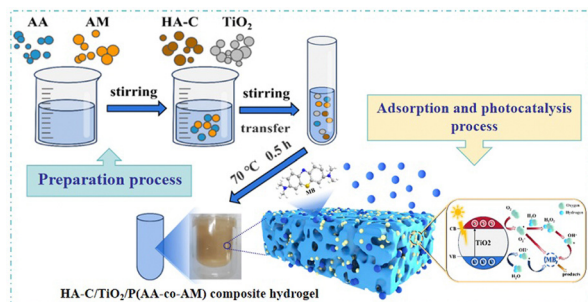
### Phenylboronate-salicylate ester cross-linked self-healing hydrogel composed of modified hyaluronan at physiological pH

Ryotaro Miki,\* Tsutomu Yamaki, Masaki Uchida and  
Hideshi Natsume





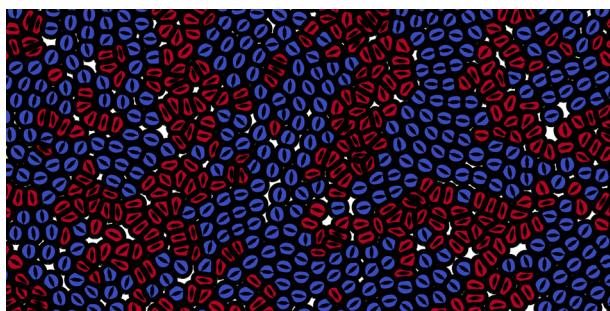
2937



### Preparation of modified humic acid/TiO<sub>2</sub>/P(AA-co-AM) nanocomposite hydrogels with enhanced dye adsorption and photocatalysis

Xuankun Gong, Amatjan Sawut,\* Rena Simayi,\* Ziyue Wang and Yurou Feng

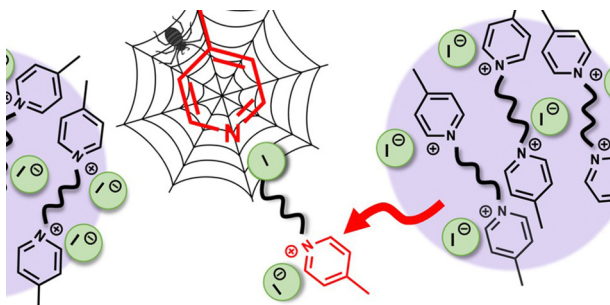
2955



### Cell sorting by active forces in a phase-field model of cell monolayers

James N. Graham,\* Guanming Zhang and Julia M. Yeomans

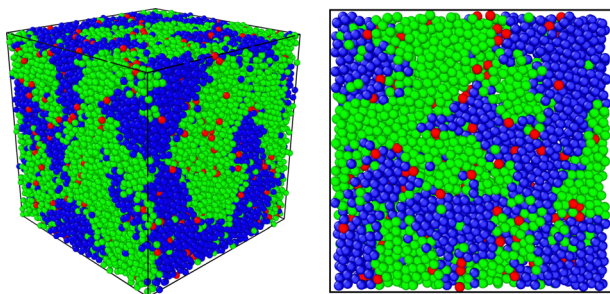
2961



### Trapping bond exchange phenomenon revealed for off-stoichiometry cross-linking of phase-separated vitrimer-like materials

Takumi Kito and Mikihiro Hayashi\*

2969



### Kinetics of phase separation and aging dynamics of segregating fluid mixtures in the presence of quenched disorder

Rounak Bhattacharyya and Bhaskar Sen Gupta\*



## PAPERS

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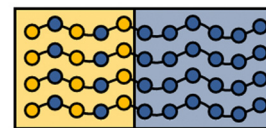
### Self-adhesion of uncrosslinked poly(butadiene-co-acrylonitrile), i.e. nitrile rubber, an inhomogeneous and associative polymer

Valentine Hervio, Annie Brûlet, Costantino Creton\* and Gabriel E. Sanoja\*

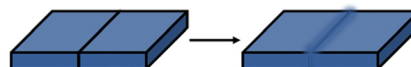
Polar Copolymer



Lamellar Nanostructure



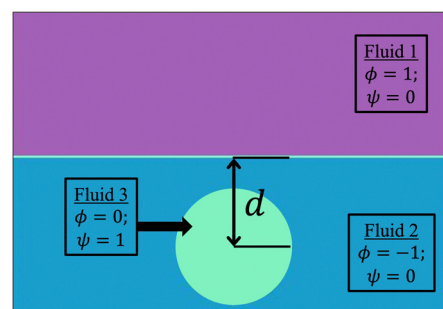
Hindered Inter-Diffusion and Self-Adhesion



2986

### Dynamics of spreading of an asymmetrically placed droplet near a fluid–fluid interface

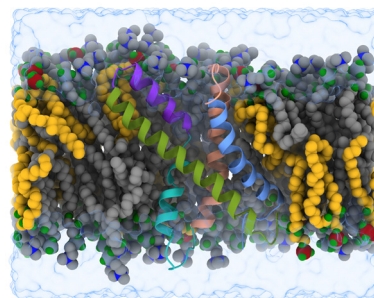
Madhurima Reddy,\* Madivala G. Basavaraj and Sumesh P. Thampi



2998

### Preferential electrostatic interactions of phosphatidic acid with arginines

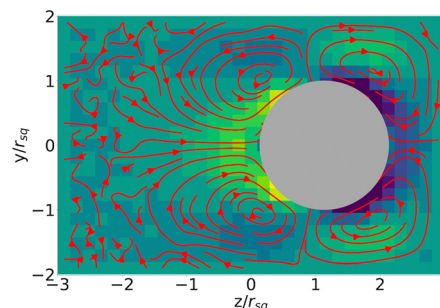
Nidhin Thomas, Wesley Combs, Kranthi K. Mandadapu and Ashutosh Agrawal\*



3007

### Motion of microswimmers in cylindrical microchannels

Florian A. Overberg,\* Gerhard Gompper\* and Dmitry A. Fedosov\*



## CORRECTION

3021

**Correction: Fabricating multi-scale controllable PEDOT:PSS arrays *via* templated freezing assembly**

Yang Lin, Junqiang Mao, Qingrui Fan and Jianjun Wang\*

