Soft Matter

Where physics meets chemistry meets biology for fundamental soft matter research

rsc.li/soft-matter-journal

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

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



Cover

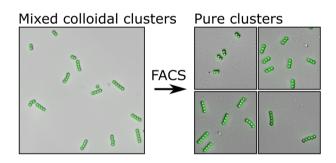
See Raúl Bayoán Cal et al., pp. 2887-2891. Image reproduced by permission of Karl Cardin from Soft Matter. 2024, 20, 2887.

COMMUNICATION

2881

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

Steven van Kesteren, Pascal Diethelm and Lucio Isa*

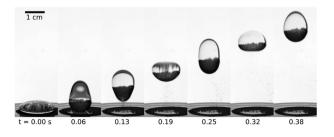


PAPERS

2887

Droplet jump from a particle bed

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







RSC Applied Interfaces

GOLD OPEN ACCESS

Interfacial and surface research with an applied focus

Interdisciplinary and open access

rsc.li/RSCApplInter

Fundamental questions Elemental answers

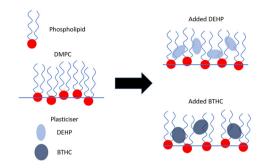
Registered charity number: 207890

PAPERS

2892

Understanding interactions of plasticisers with a phospholipid monolayer

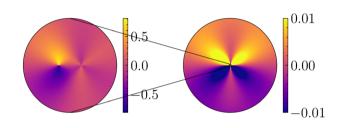
Emil Gustafsson,* Maja S. Hellsing, Adrian R. Rennie,* Rebecca J. L. Welbourn, Mario Campana, Arwel Hughes, Peixun Li and Tim Melander Bowden



2900

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

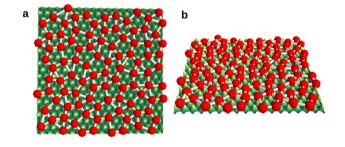
Lucas Myers,* Carter Swift, Jonas Rønning, Luiza Angheluta and Jorge Viñals



2915

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

Nydia Roxana Varela-Rosales and Michael Engel*



2926

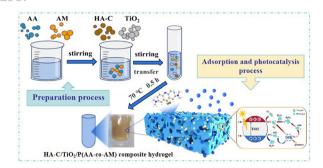
Phenylboronate-salicylate ester cross-linked self-healing hydrogel composed of modified hyaluronan at physiological pH

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



PAPERS

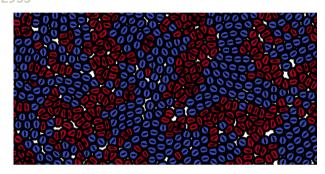
2937



Preparation of modified humic acid/TiO₂/P(AA-co-AM) nanocomposite hydrogels with enhanced dye adsorption and photocatalysis

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

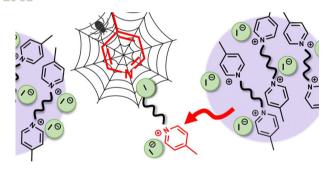
2955



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

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

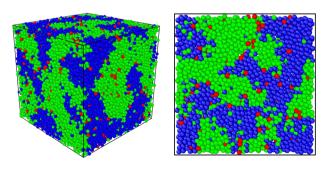
2961



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

2978

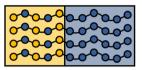
Self-adhesion of uncrosslinked poly(butadiene-coacrylonitrile), i.e. nitrile rubber, an inhomogeneous and associative polymer

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

Polar Copolymer

Lamellar Nanostructure





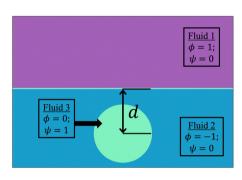
Hindered Inter-Diffusion and Self-Adhesion



2986

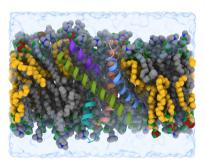
Dynamics of spreading of an asymmetrically placed droplet near a fluid-fluid interface

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



Preferential electrostatic interactions of phosphatidic acid with arginines

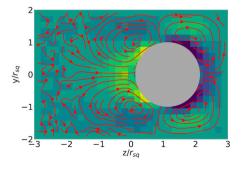
Nidhin Thomas, Wesley Combs, Kranthi K. Mandadapu and Ashutosh Agrawal*



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*