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.

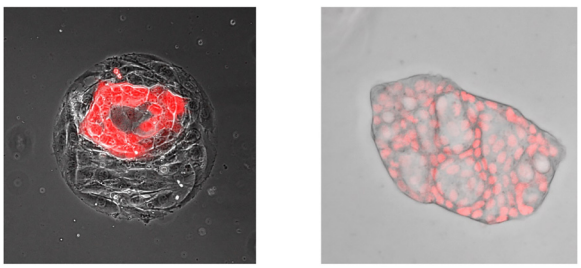
IN THIS ISSUE

ISSN 1744–6848 CODEN SMOABF 21(19) 3661–3912 (2025)

Cover
See Kripa K. Varanasi *et al.*, pp. 3688–3699.
Image reproduced by permission of Varanasi Research Group @ MIT from *Soft Matter*, 2025, **21**, 3688.

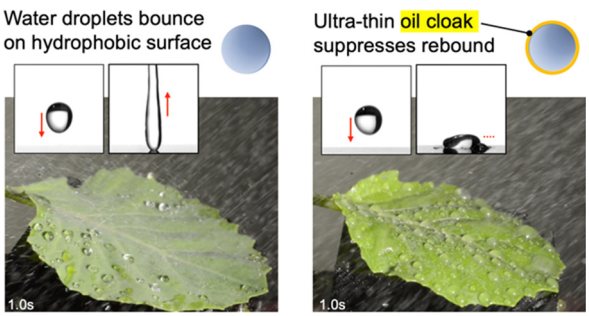
Inside cover
See Marc Couty *et al.*, pp. 3700–3719.
Image reproduced by permission of Semen Vasin - Marc Couty MFP MICHELIN from *Soft Matter*, 2025, **21**, 3700.

REVIEW



Tissue interfaces in the life process

PAPERS



ROYAL SOCIETY OF CHEMISTRY

Royal Society of Chemistry approved training courses

Explore your options.
Develop your skills.
Discover learning that suits you.

Courses in the classroom, the lab, or online

Find something for every stage of your professional development. Search our database by:

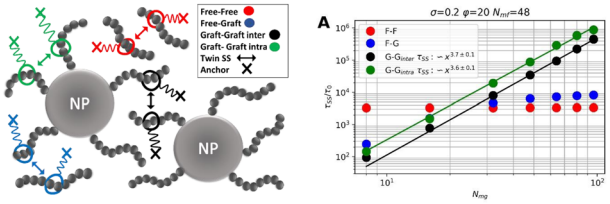
- subject area
- location
- event type
- skill level

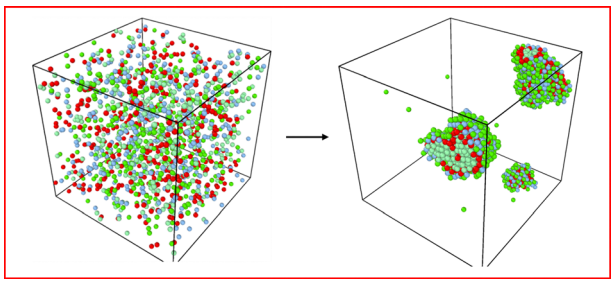
Members **get at least 10% off**

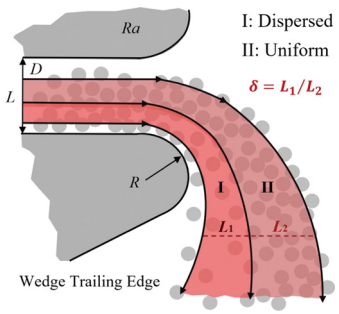
Visit **rsc.li/cpd-training**

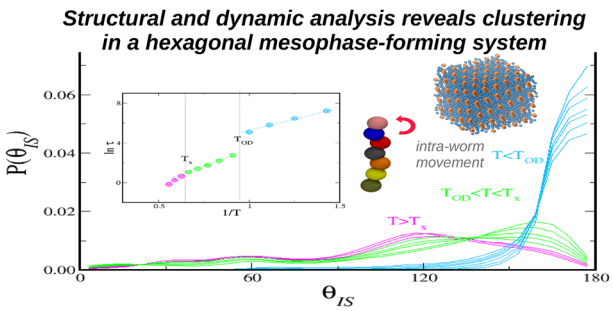
SAVE 10%

PAPERS



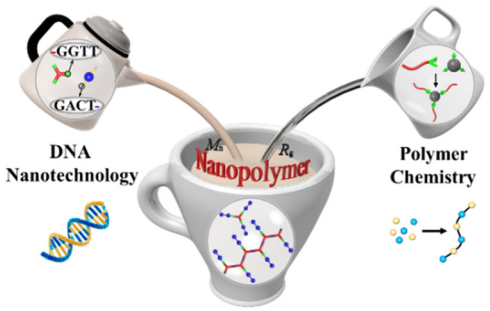


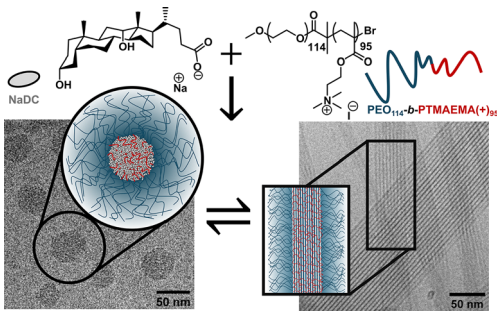


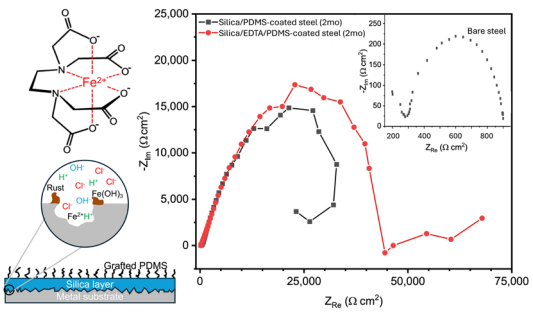


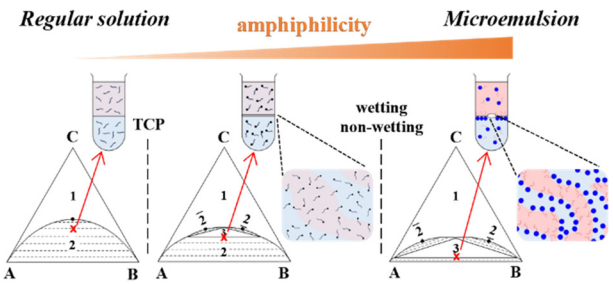
PAPERS

PAPERS



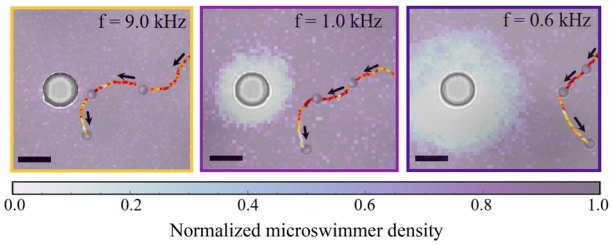






PAPERS

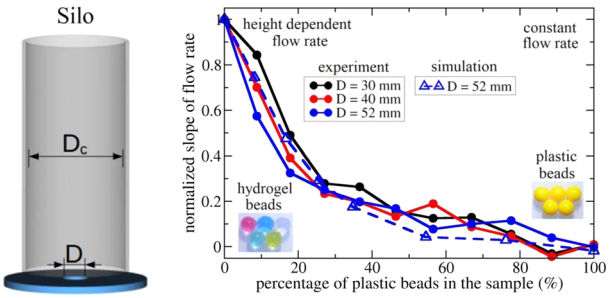
3850



Gating and tunable confinement of active colloids within patterned environments

Carolina van Baalen, Stefania Ketzetzi, Anushka Tintor, Israel Gabay and Lucio Isa*

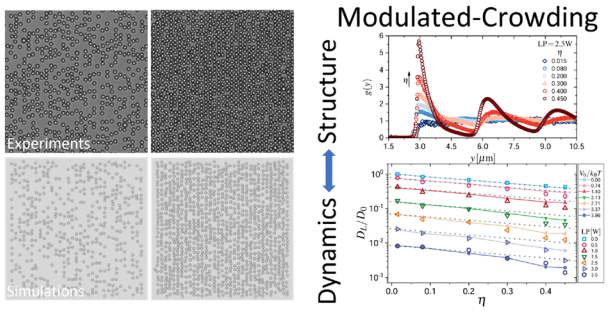
3859



Granular flow of 3D mixtures of soft and hard spheres

Bo Fan, Tivadar Pongó, Joshua A. Dijksman, Jasper van der Gucht and Tamás Börzsönyi*

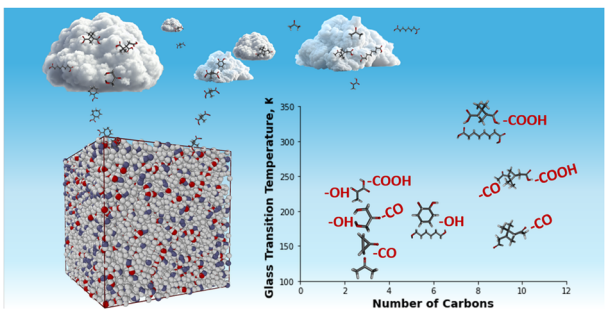
3868



Colloidal transport in periodic potentials: the role of modulated-crowding

Ramón Castañeda-Priego, Erick Sarmiento-Gómez, Yasamin Mohebi Satalsari, Stefan U. Egelhaaf and Manuel A. Escobedo-Sánchez*

3880



Predicting and parameterizing the glass transition temperature of atmospheric organic aerosol components *via* molecular dynamics simulations

Panagiota Siachouli, Vlasis G. Mavrantzas* and Spyros N. Pandis*

PAPERS