

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.

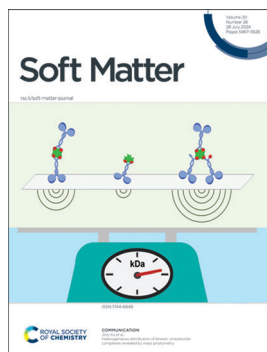
IN THIS ISSUE

ISSN 1744–6848 CODEN SMOABF 20(28) 5467–5626 (2024)



Cover

See Sushanta K. Mitra *et al.*, pp. 5516–5526. Image reproduced by permission of Sushanta K. Mitra from *Soft Matter*, 2024, 20, 5516.



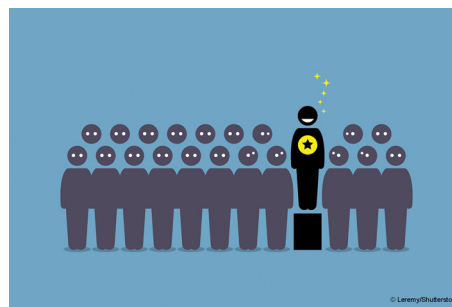
Inside cover

See Jing Xu *et al.*, pp. 5509–5515. Image reproduced by permission of Keir C. Neuman from *Soft Matter*, 2024, 20, 5509.

EDITORIAL

5474

Outstanding Reviewers for *Soft Matter* in 2023



TUTORIAL REVIEW

5475

Dynamic duos: the building blocks of dimensional mechanics

Marc A. Fardin,* Mathieu Hautefeuille and Vivek Sharma



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%**

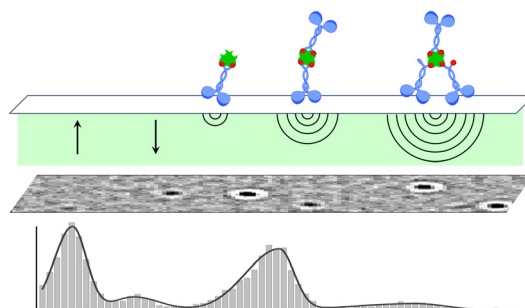


COMMUNICATION

5509

Heterogeneous distribution of kinesin–streptavidin complexes revealed by mass photometry

Jing Xu,* Nathaniel J. S. Brown, Yeonee Seol and Keir C. Neuman

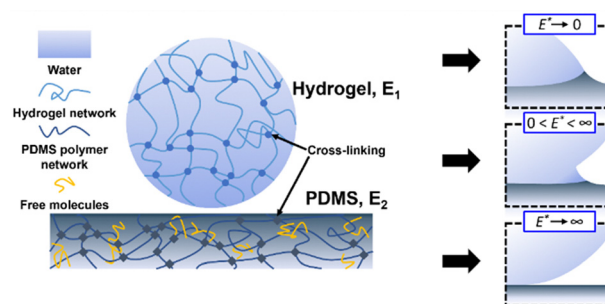


PAPERS

5516

Flexible hydrogels connecting adhesion and wetting

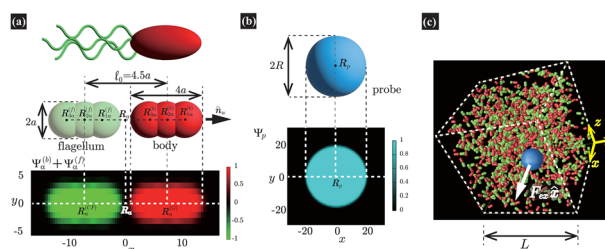
A-Reum Kim, Surjyasish Mitra, Sudip Shyam, Boxin Zhao and Sushanta K. Mitra*



5527

Microrheology of active suspensions

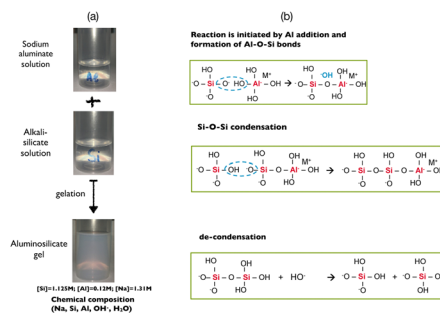
Takahiro Kanazawa and Akira Furukawa*



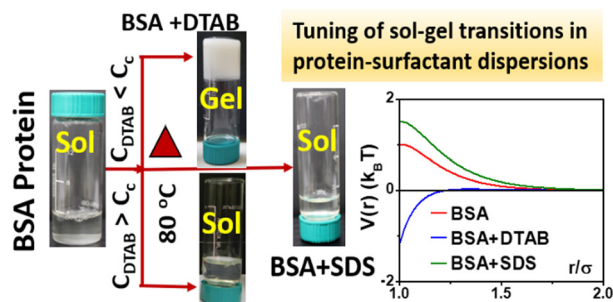
5538

Aluminosilicate colloidal gels: from the early age to the precipitation of zeolites

Arnaud Poulesquen,* Donatien Gomes Rodrigues, Bavand Keshavarz, Nicolas Courtois, Jan Ilavsky and Gareth H. McKinley



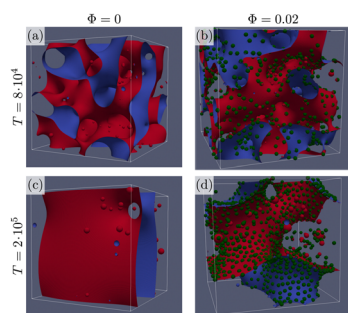
5553



Evolution of the structure and interaction in the surfactant-dependent heat-induced gelation of protein

Sugam Kumar* and Vinod K. Aswal*

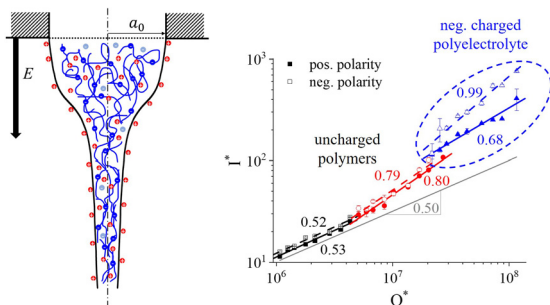
5564



The impact of viscosity asymmetry on phase separating binary mixtures with suspended colloids

Javeria Siddiqui, Joan Codina, Ignacio Pagonabarraga and Jure Dobnikar*

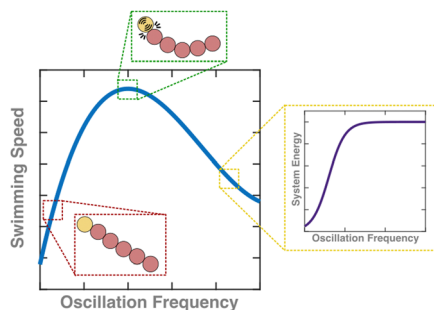
5572



Charge transport in electrospinning of polyelectrolyte solutions

Patrick Martin and Eyal Zussman*

5583



Influence of the frequency on undulatory swimming speed in granular media

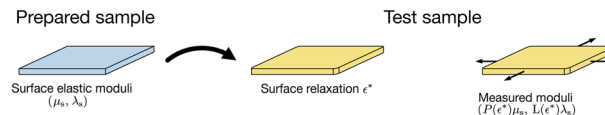
Iñaki Echeverría-Huarte, Margarida M. Telo da Gama and Nuno A. M. Araújo*



5592

From a distance: Shuttleworth revisited

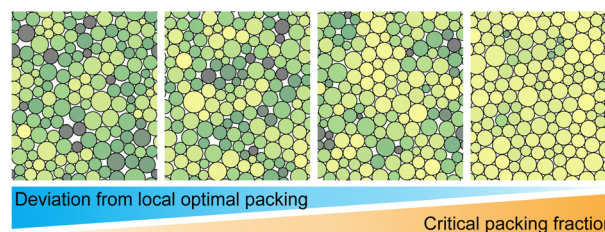
Stefanie Heyden and Nicolas Bain



5598

Exceptionally dense and resilient critically jammed polydisperse disk packings

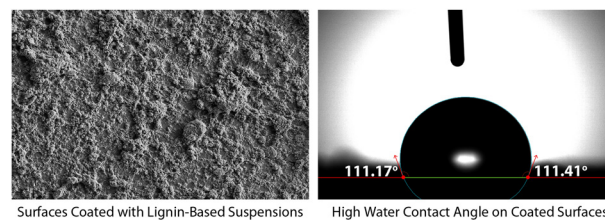
Sangwoo Kim* and Sascha Hilgenfeldt



5607

A simple approach to produce hydrophobic biobased coatings using methylcellulose and organosolv lignin

Kourosh Mobredi, Isaac Y. Miranda-Valdez, Tero Mäkinen,* Juha Koivisto and Mikko J. Alava



5616

Revisiting the strain-induced softening behaviour in hydrogels

L. K. R. Duarte and L. G. Rizzi*

