

Soft Matter

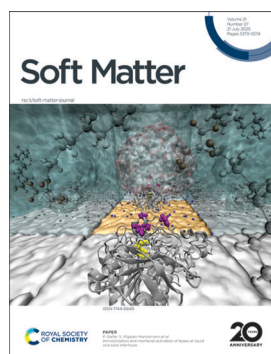
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Cover

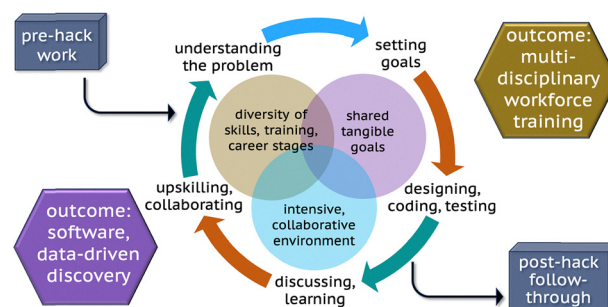
See P. Giefer, S. Köppen-Hannemann *et al.*, pp. 5398-5412. Image reproduced by permission of Patrick Giefer and Susan Köppen-Hannemann from *Soft Matter*, 2025, 21, 5398.

TUTORIAL REVIEW

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Hacktive matter: data-driven discovery through hackathon-based cross-disciplinary coding

Megan T. Valentine* and Rae M. Robertson-Anderson*

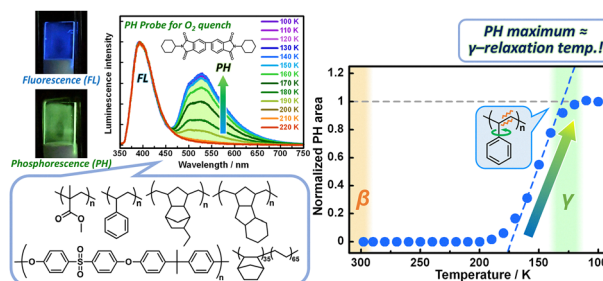


COMMUNICATION

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Precise detection of local relaxation of amorphous polymers at low temperatures via O₂ diffusion probed by a dual-luminescent imide compound

Rika Watanabe, Marina Doi, Haonan Liu, Masatoshi Tokita and Shinji Ando*



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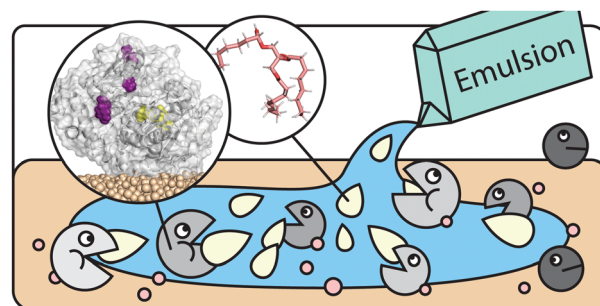
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Immobilization and interfacial activation of lipase at liquid and solid interfaces

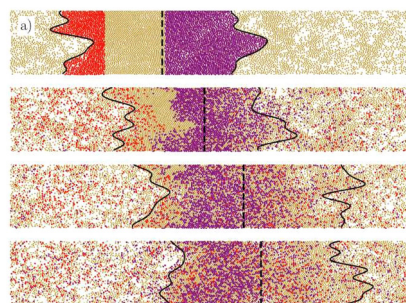
P. Giefer,* U. Fritsching, L. Colombi Ciacchi and S. Köppen-Hannemann*



5413

Dynamics and rupture of doped motility induced phase separation

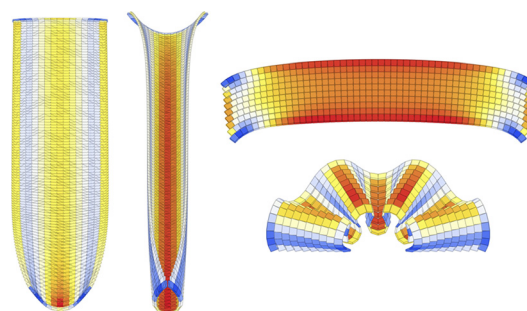
Rodrigo Fernández-Quevedo García,* Enrique Chacón, Pedro Tarazona and Chantal Valeriani*



5423

Self-limiting states of polar misfits: frustrated assembly of warped-jigsaw particles

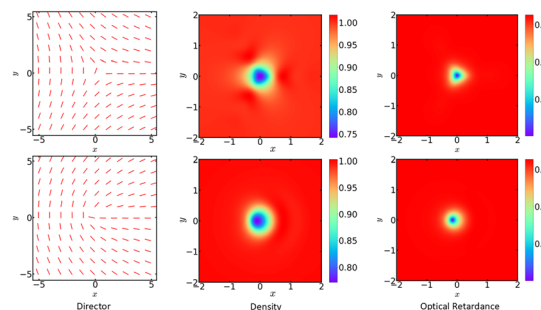
Michael Wang and Gregory M. Grason



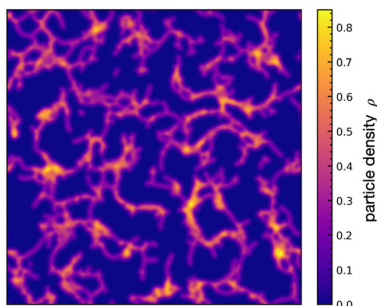
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Self consistent field theory of isotropic–nematic interfaces and disclinations in a semiflexible molecule nematic

Longyu Qing* and Jorge Viñals



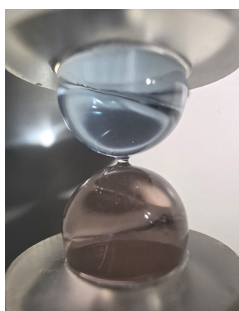
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Fluctuation induced network patterns in active matter with spatially correlated noise

Sebastian Fehlinger, Kai Cui, Arooj Sajjad, Heinz Koepl and Benno Liebchen*

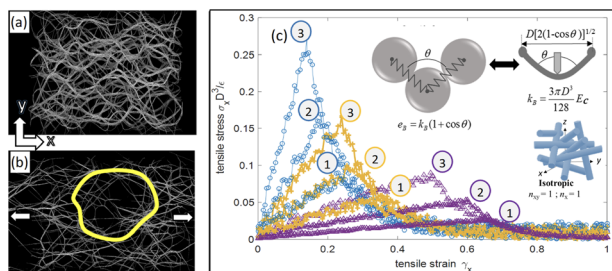
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Capillary-induced adhesive contact dynamics determines dissipation and flow structure in wetted hydrogel packings

Zohreh Farmani, Jing Wang, Ralf Stannarius and Joshua A. Dijksman*

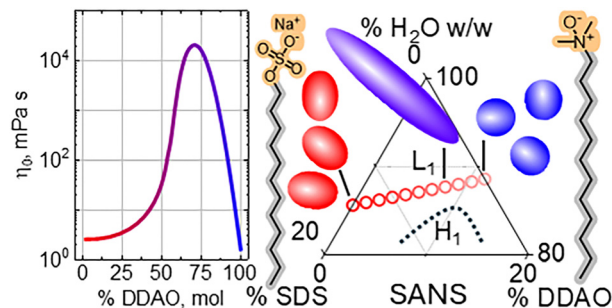
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Micromechanical modelling of cellulose hydrogel composites based on coarse-grained molecular dynamics

Mauricio R. Bonilla, Sridhar K. Kannam, Matthew T. Downton, Monika S. Doblin, Antony Bacic, Michael J. Gidley and Jason R. Stokes*

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SANS and rheology of elongated SDS–DDAO mixed micelles near the phase boundary

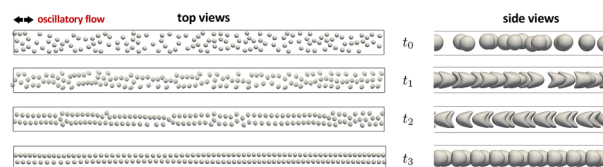
Luis M. G. Torquato, Gunjan Tyagi, Zain Ahmad, Liva Donina, Najet Mahmoudi, Rebecca Fong, Paul F. Luckham and João T. Cabral*



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Oscillatory flow improves hydrodynamic ordering of soft suspensions in rectangular channels

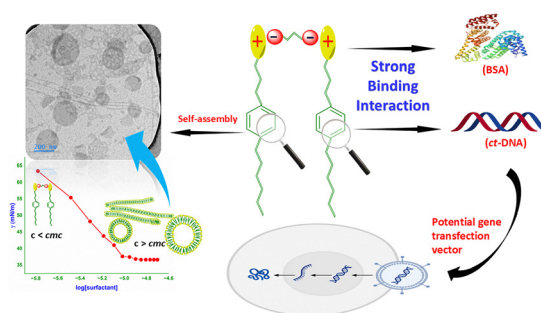
Paul C. Millett



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Unravelling the self-assembly of a novel cationic pseudo-gemini surfactant and its monomeric counterpart: interactions with DNA and BSA in aqueous medium at neutral pH

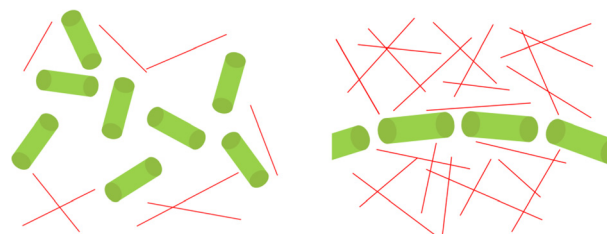
Homen Dahal, Sachin Soren, Shashi Kumar and Joykrishna Dey*



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Brownian dynamics simulation of the diffusion of rod-like nanoparticles in polymeric gels

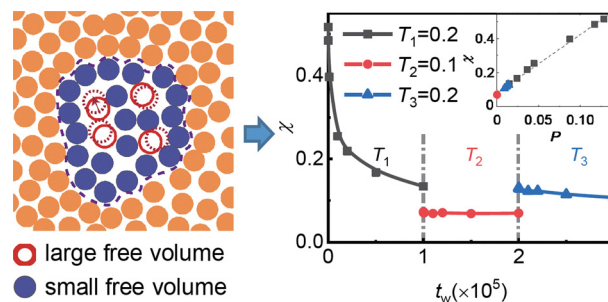
Mohammad-Reza Rokhforouz, Don D. Sin, Sarah Hedtrich and James J. Feng*



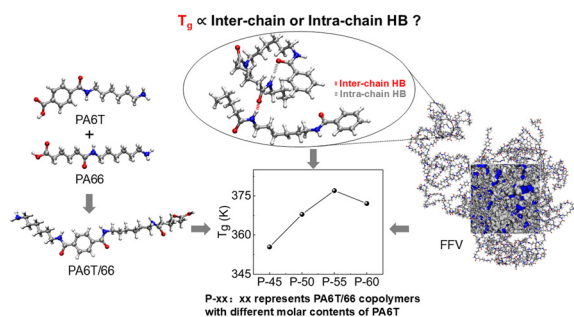
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Unraveling molecular mechanisms of aging dynamics in the Kob–Andersen model: the role of free volume

Yifan Yang, Yuyuan Lu,* Yaozhang Yang, Xia Wang and Lijia An



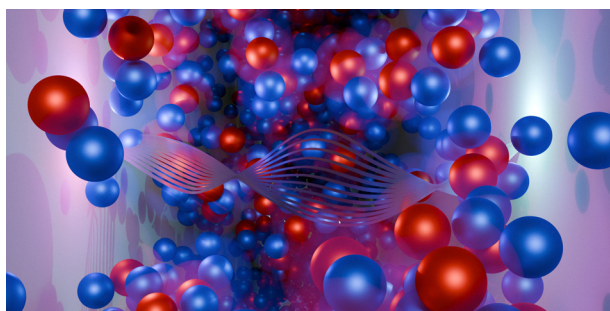
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Investigating glass transition in a PA6T/66 copolymer through molecular dynamics simulations

Lele Wei, Liping Zhu, Jin Wen* and Meifang Zhu

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Solvent-induced ion clusters generate long-ranged double-layer forces at high ionic strengths

David Ribar, Clifford E. Woodward and Jan Forsman*

