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IN THIS ISSUE

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Cover

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Inside cover

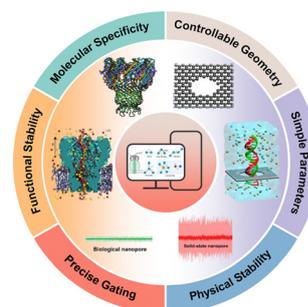
See Lihao Zhao *et al.*, pp. 2413–2421. Image reproduced by permission of Lihao Zhao, Bocheng Li and Jingran Qiu from *Soft Matter*, 2025, 21, 2413.

PERSPECTIVE

2385

Probing nanopores: molecular dynamics insights into the mechanisms of DNA and protein translocation through solid-state and biological nanopores

Yuanshuo Zhang and Mingming Ding*

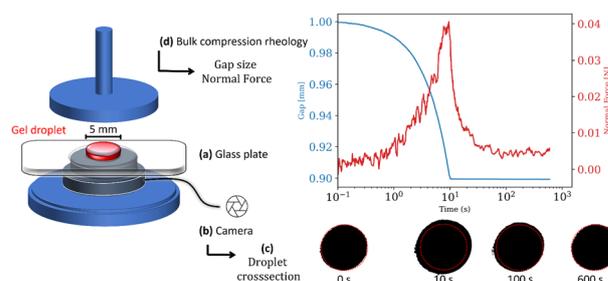


PAPERS

2400

Poroelasticity and permeability of fibrous polymer networks under compression

Paul Mollenkopf, Jakub A. Kochanowski, Yifei Ren, Kyle H. Vining, Paul A. Janmey* and Prashant K. Purohit



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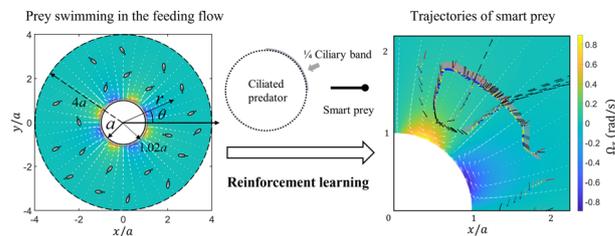
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2413

Escape from the predator-induced flow: smart prey strategies with steering and swimming actions

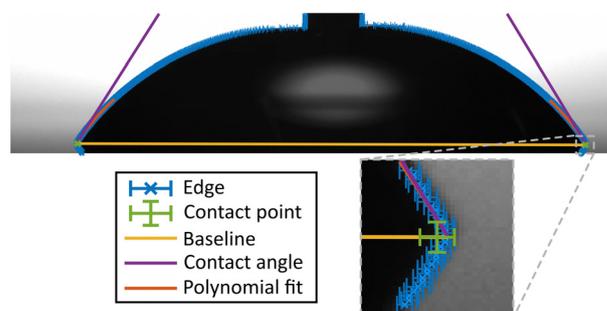
Bocheng Li, Jingran Qiu and Lihao Zhao*



2422

In situ error analysis in contact angle goniometry

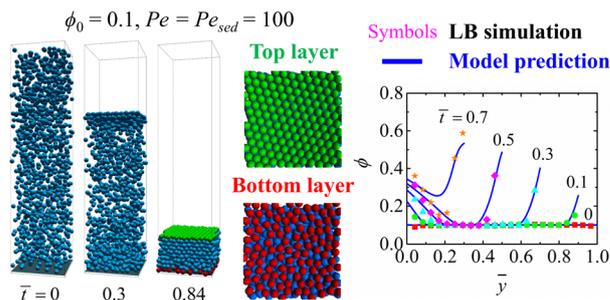
Heikki A. Nurmi,* Gentrit Zenuni, Sakari Lepikko, Reetta Saine, Maja Vuckovac and Robin H. A. Ras*



2430

Microstructural evolution in drying colloidal films driven by evaporation and sedimentation: lattice Boltzmann simulation and a mathematical model

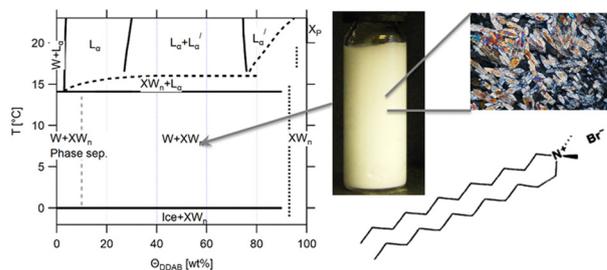
Jinseong Yun, Byoungjin Chun* and Hyun Wook Jung*



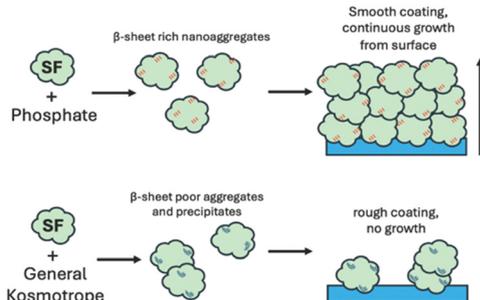
2445

Physical science of the didodecyldimethylammonium bromide–water system: 1. Equilibrium phase behaviour

Louisa Reissig,* Wim Pyckhout-Hintzen, Simon Dalglish, Andrew R. Mount, Michael E. Cates, David J. Fairhurst* and Stefan E. Egelhaaf



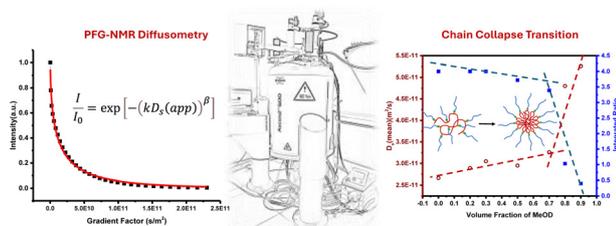
2461



The role of phosphate in silk fibroin self-assembly: a Hofmeister study

Caleb Wigham, Vrushi Varude, Henry O'Donnell and R. Helen Zha*

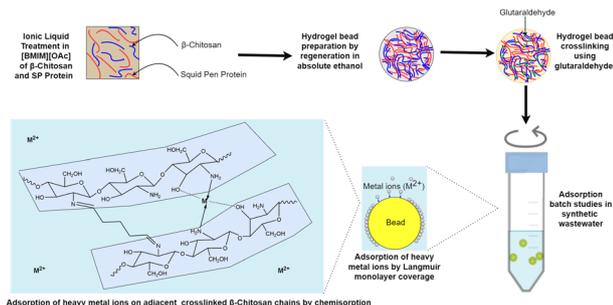
2471



Tracking solvent-induced conformational collapse of periodically grafted amphiphilic polymers using PFG NMR diffusometry

Harshita Sardana, B. V. N. Phani Kumar* and S. Ramakrishnan*

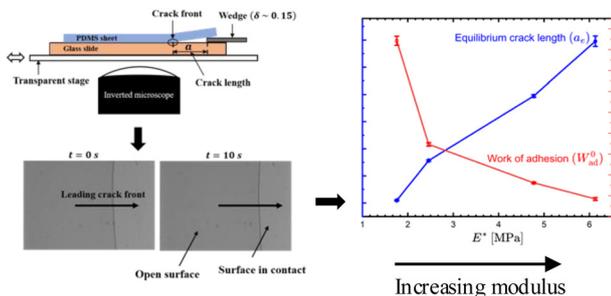
2480



Preparation of hybrid β-chitosan – squid pen protein hydrogel beads by ionic liquid regeneration for adsorption of copper(II) and zinc(II) from wastewater

Liyan Moralez, Pedro Nakasu* and Jason Hallett*

2493



Adhesion study at the interface of a PDMS-elastomer and borosilicate glass-slide: effect of modulus and thickness of the elastomer

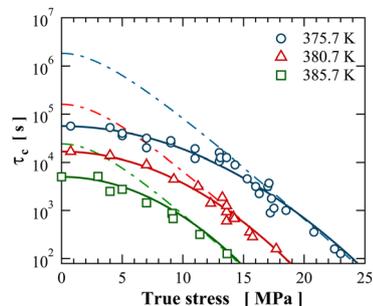
Susheel Kumar, Chiranjit Majhi, Krishnacharya Khare and Manjesh K. Singh*



2502

Eyring theory for plasticity in amorphous polymers violates Curie's principle

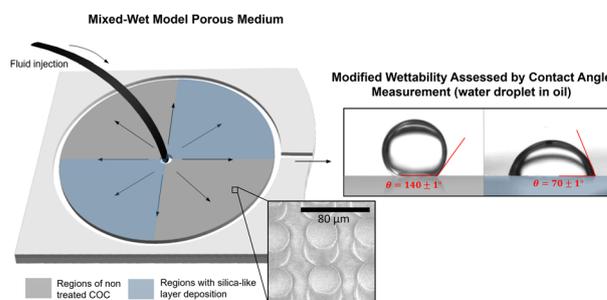
Thomas C. Merlette, Elian Masnada, Paul Sotta and Didier R. Long*



2509

Fabrication of COC micromodels with wettability heterogeneities: method and influence on fluid transport

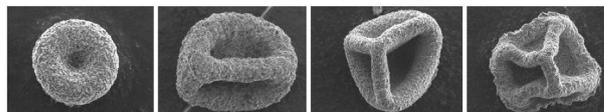
Camille Brigodiot,* Elliot Speirs, Cédric Guyon, Michaël Tatoulian and Nicolas Pannacci



2518

Evaporation driven buckling of a drop laden with graphene oxide nanosheets

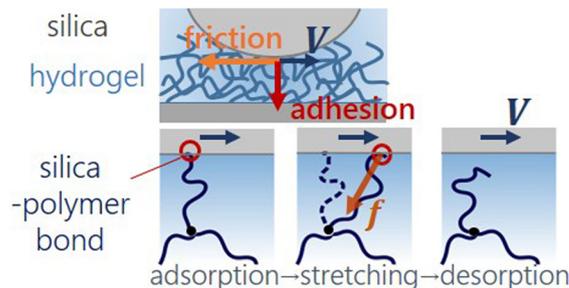
Suriya Prakash, Eva Krolis, Alvaro Marin and Lorenzo Botto*



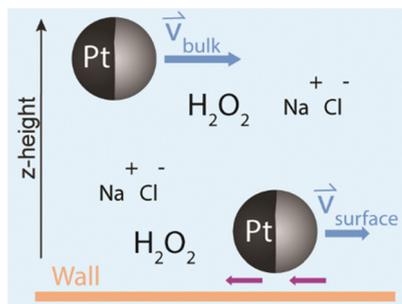
2529

Molecular adsorption induces normal stresses at frictional interfaces of hydrogels

Lola Ciapa, Yvette Tran, Christian Frétygny, Antoine Chateaubinois* and Emilie Verneuil*



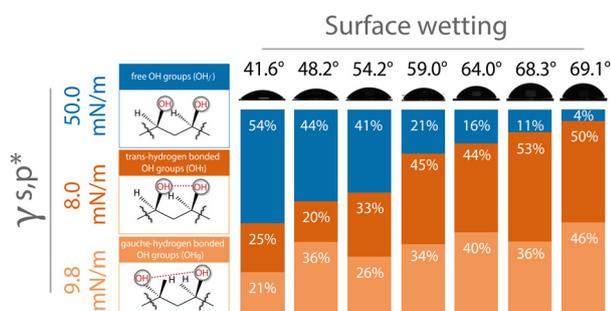
2541



The motion of catalytically active colloids approaching a surface

Julio Melio, Solenn Riedel, Ali Azadbakht, Silvana A. Caipa Cure, Tom M.J. Evers, Mehrad Babaei, Alireza Mashaghi, Joost de Graaf and Daniela J. Kraft*

2548



Quantitative rationalization of the unexpectedly moderate water wettability of poly(vinyl alcohol) surfaces: thermodynamic evaluation and prediction of surface hydrogen bonding

Zhuohuan Guo, Zhuoyuan Ma* and Dayang Wang*

