

Soft Matter

Where physics meets chemistry meets biology for fundamental soft matter research

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IN THIS ISSUE

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Cover

See Alexandre Delory et al., pp. 1983–1995.
Image reproduced by permission of Maxime Lanoy and Fabrice Lemoult from *Soft Matter*, 2024, 20, 1983.

OBITUARY

1964

In memoriam Stefan U. Egelhaaf (17 June 1963–22 November 2023)

Manuel A. Escobedo-Sánchez,* Marco Laurati, Hartmut Löwen, Wilson C. K. Poon, Peter N. Pusey and Peter Schurtenberger



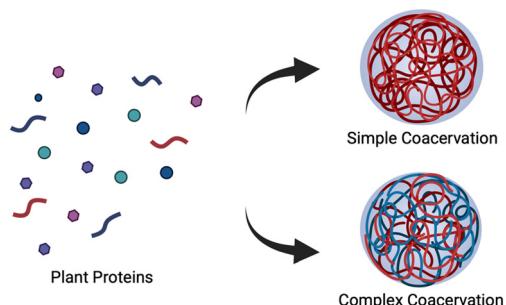
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REVIEW

1966

Simple and complex coacervation in systems involving plant proteins

Nirzar Doshi, Wei Guo, Feipeng Chen, Paul Venema, Ho Cheung Shum, Renko de Vries* and Xiufeng Li*





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Fundamental questions
Elemental answers

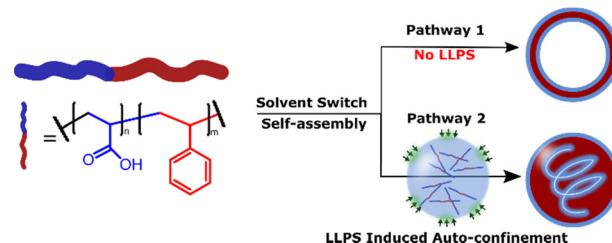
Registered charity number: 207890

COMMUNICATION

1978

Liquid–liquid phase separation induced auto-confinement

Aoon Rizvi and Joseph P. Patterson*

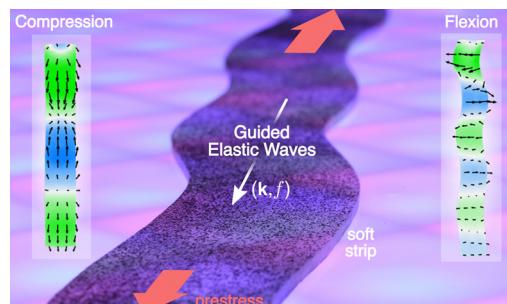


PAPERS

1983

Viscoelastic dynamics of a soft strip subject to a large deformation

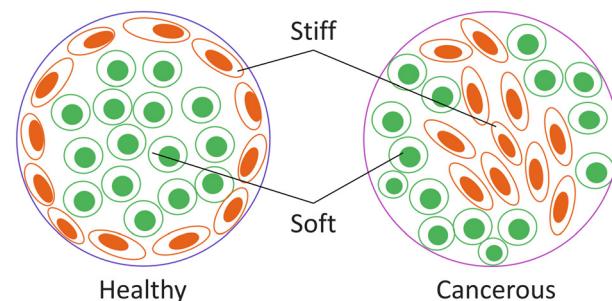
Alexandre Delory,* Daniel A. Kiefer, Maxime Lanoy, Antonin Eddi, Claire Prada and Fabrice Lemoult



1996

Effect of non-linear strain stiffening in eDAH and unjamming

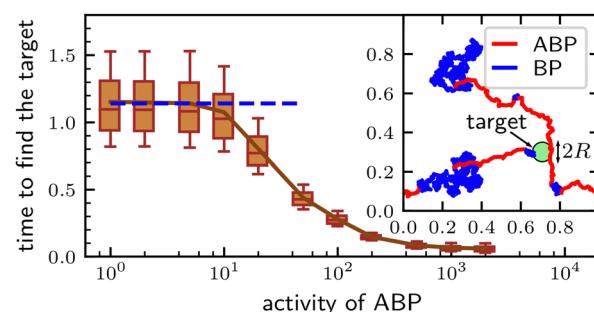
Xiaofan Xie, Frank Sauer, Steffen Grosser, Jürgen Lippoldt, Enrico Warmt, Amit Das, Dapeng Bi, Thomas Fuhs and Josef A. Käs*



2008

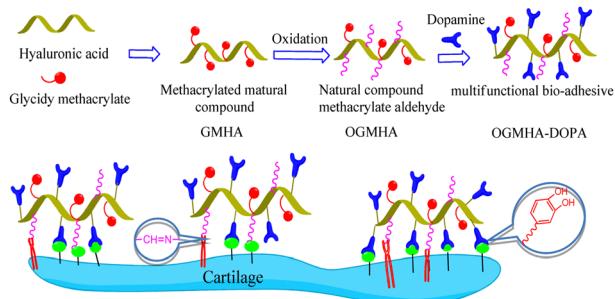
Learning how to find targets in the micro-world: the case of intermittent active Brownian particles

Michele Caraglio,* Harpreet Kaur, Lukas J. Fiderer, Andrea López-Incera, Hans J. Briegel, Thomas Franosch and Gorka Muñoz-Gil



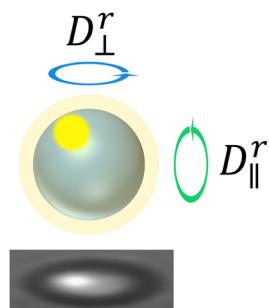
PAPERS

2017

**A nature-inspired multifunctional adhesive for cartilage tissue—biomaterial integration**

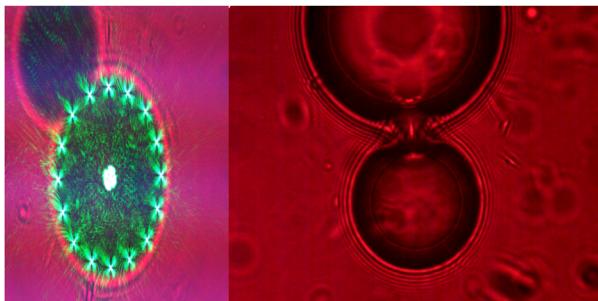
Bin Chu,* Yun-Feng Chu, Jin-Mei He, Zhi-Wei Lin, Chang-Sheng Chen, Song Wang, Wei-Qiang Liu and Xiao-Li Li*

2024

**Rotational diffusion of colloidal microspheres near flat walls**

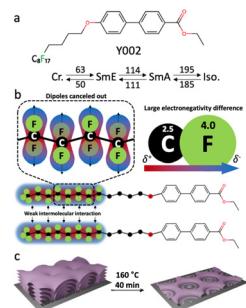
Virginia Carrasco-Fadanelli, Yushan Mao, Tomoki Nakakomi, Haonan Xu, Jun Yamamoto, Taiki Yanagishima* and Ivo Buttinoni

2032

**Trapping and manipulation of bubbles with holographic optical tweezers**

Juan Manuel Molina-Jiménez, Beatriz Morales-Cruzado, Zenaida Briceño-Ahumada, Virginia Carrasco-Fadanelli and Erick Sarmiento-Gómez*

2040

**Sublimation of isolated toric focal conic domains on micro-patterned surfaces**

Wantae Kim, Eduardo Vitral, Perry H. Leo, Jorge Viñals,* Dae Seok Kim* and Dong Ki Yoon*



PAPERS

2052

pH-controlled breakup of fractal aggregates, microgels and gels formed by self-assembled amphiphilic triblock copolymers

Gireeshkumar Balakrishnan, Marli Miriam De Souza Lima, Frederick Niepceron, Olivier Colombani, Taco Nicolai* and Christophe Chassenieux*

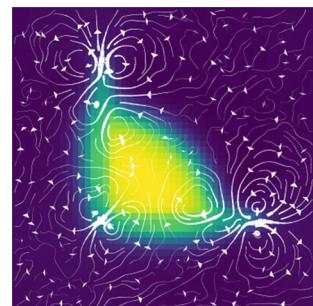
FROZEN HYDROGELS
based on self-assembled amphiphilic triblocks

Breakup with pH-controlled speed

2060

Partial and complete wetting of droplets of active Brownian particles

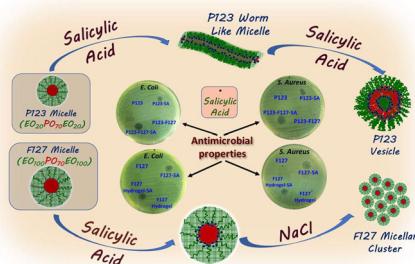
Francesco Turci,* Robert L. Jack and Nigel B. Wilding



2075

Structural and therapeutic properties of salicylic acid-solubilized Pluronic solutions and hydrogels

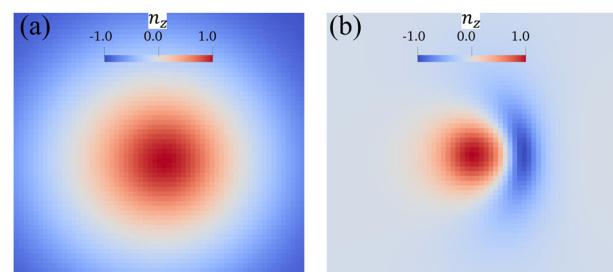
R. Ganguly,* S. Kumar, M. Soumya, A. Khare, K. C. Bhainsa, V. K. Aswal and J. Kohlbrecher



2088

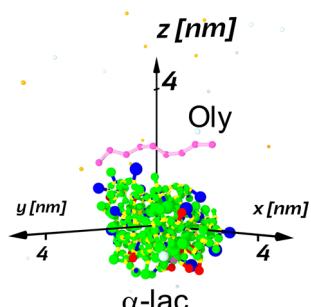
Particle-based model of liquid crystal skyrmion dynamics

A. W. Teixeira,* M. Tasinkevych and C. S. Dias



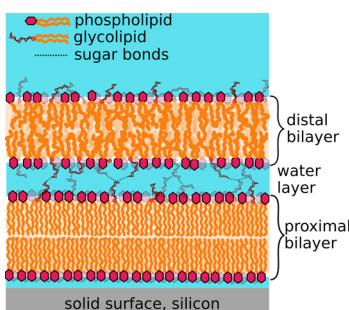
PAPERS

2100


Modulation of the electrostatic potential around α -lactalbumin using oligoelectrolyte chains, pH and salt concentration

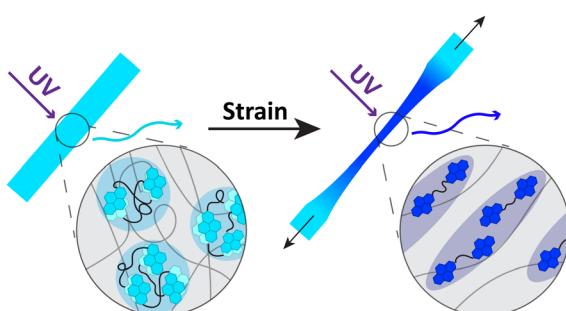
Paola B. Torres, Sofia Baldor, Evelina Quiroga, Antonio Jose Ramirez-Pastor, Dario Spelzini, Valeria Boeris and Claudio F. Narambuena*

2113


Influence of adhesion-promoting glycolipids on the structure and stability of solid-supported lipid double-bilayers

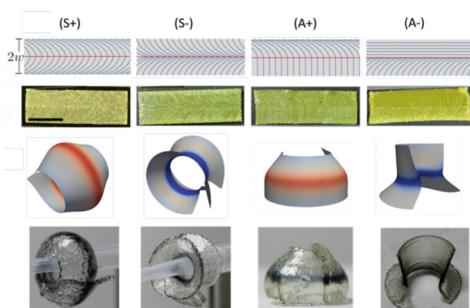
Lukas Bange, Tetiana Mukhina, Giovanna Fragneto, Valeria Rondelli* and Emanuel Schneck*

2126


Mechanochromic polymer blends made with an excimer-forming telechelic sensor molecule

Marta Oggioni, Jess M. Clough and Christoph Weder*

2132


Geometry, mechanics and actuation of intrinsically curved folds

Fan Feng, Klaudia Dradrach, Michał Zmyśloni, Morgan Barnes and John S. Biggins*

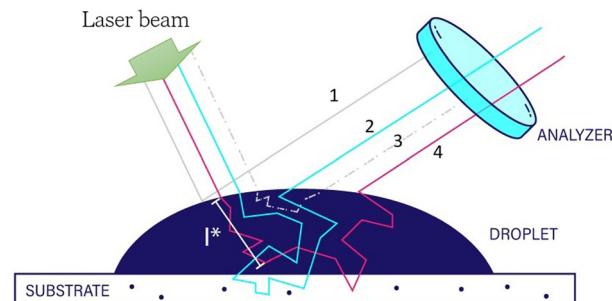


PAPERS

2141

Dynamics of individual inkjet printed picoliter droplet elucidated by high speed laser speckle imaging

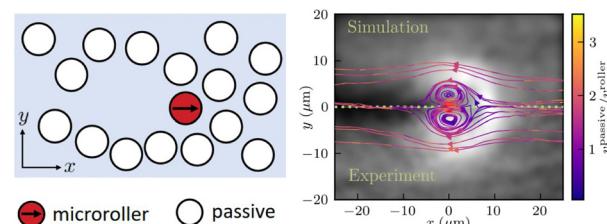
Riccardo Antonelli, Remco Fokkink, Joris Sprakel and Thomas E. Kodger*



2151

Restructuring a passive colloidal suspension using a rotationally driven particle

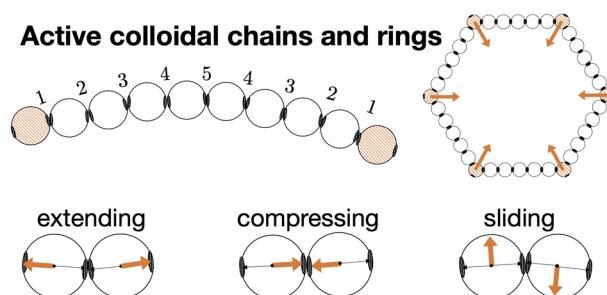
Shih-Yuan Chen, Hector Manuel Lopez Rios, Monica Olvera de la Cruz* and Michelle Driscoll*



2162

Activity affects the stability, deformation and breakage dynamics of colloidal architectures

H. J. Jonas,* P. Schall and P. G. Bolhuis



2178

Luminescent solvent-free liquids based on Schiff-base boron difluoride complexes with polyethylene glycol chains

Masahiro Ikeshita,* Miku Ichinose and Takashi Tsuno*

