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Soft Matter

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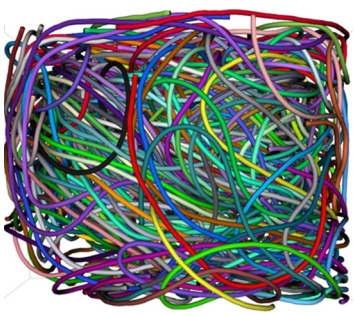
Cover
See Leopoldo R. Gómez *et al.*, pp. 3538–3542. Image reproduced by permission of Mauricio Velasco and Nicolás García from *Soft Matter*, 2023, **19**, 3538.

COMMUNICATION

3538

Macroscopic analogue to entangled polymers

Leopoldo R. Gómez,* Nicolás A. García and Thorsten Pöschel



PAPERS

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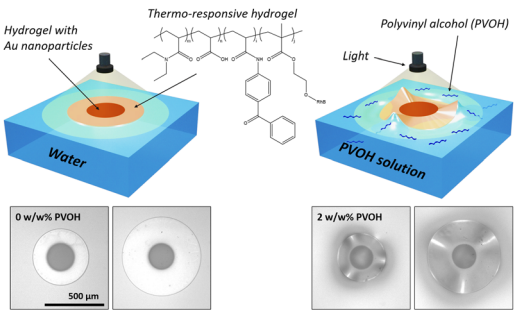
Effect of surface tension on elastocapillary wrinkling of interfacially adsorbed hydrogel disks with photothermally programmed swelling profiles

Ji-Won Kim, Chao Chen, Hyunki Kim, Shin-Hyun Kim and Ryan C. Hayward*



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PAPERS

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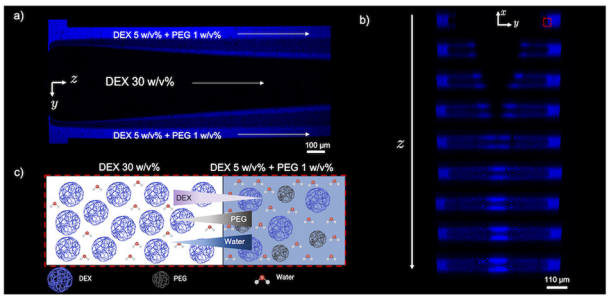
Flows of a nonequilibrated aqueous two-phase system in a microchannel

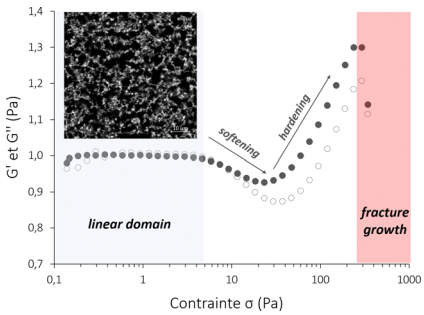
Niki Abbasi, Janine K. Nunes, Zehao Pan, Tejas Dethe, Ho Cheung Shum, Andrej Košmrlj and Howard A. Stone*



3562

Non-linear properties and yielding of enzymatic milk gels

Julien Bauland, Mathieu Leocmach, Marie-Hélène Famelart and Thomas Croguennec*



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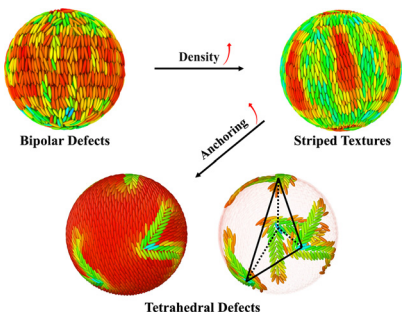
Defect transition of smectic liquid crystals confined in spherical cavities

Ming Zhou, Yu-Wei Sun, Zhan-Wei Li, Han-Wen Pei, Bing Li,* You-Liang Zhu* and Zhao-Yan Sun*



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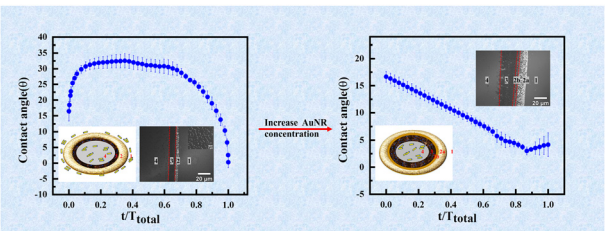
Anisotropic nanocluster arrays to a diminished zone: different regimes of surface deposition of gold nanocolloids

Sanjoy Khawas and Sunita Srivastava*



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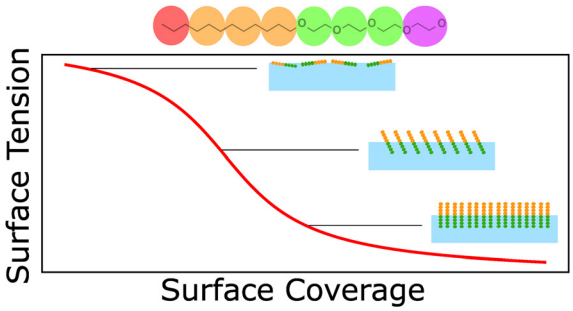

A many-body dissipative particle dynamics parametrisation scheme to study behaviour at air–water interfaces

Rachel L. Hendrikse,* Carlos Amador and Mark R. Wilson

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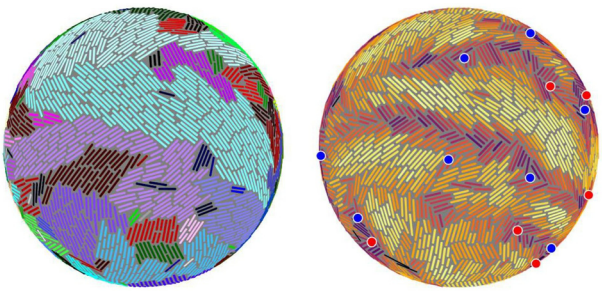

Microdomains and stress distributions in bacterial monolayers on curved interfaces

Blake Langeslay and Gabriel Juarez*

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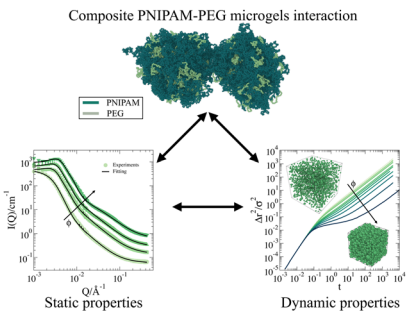

Concentration and temperature dependent interactions and state diagram of dispersions of copolymer microgels

José Ruiz-Franco, Rodrigo Rivas-Barbosa, Mayra A. Lara-Peña, José R. Villanueva-Valencia, Angel Licea-Claverie, Emanuela Zaccarelli* and Marco Laurati*

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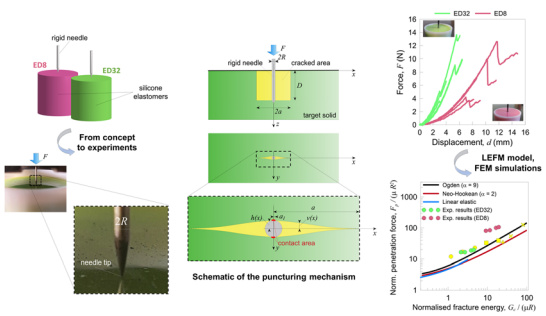

Puncturing of soft tissues: experimental and fracture mechanics-based study

Matteo Montanari, Roberto Brighenti, Michele Terzano and Andrea Spagnoli*

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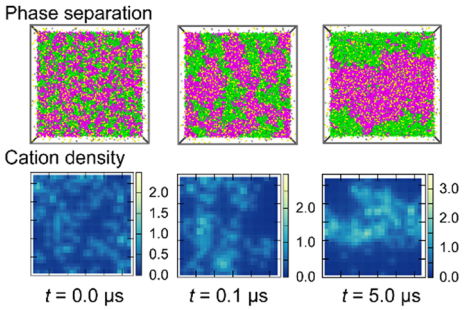
Coarse-grained molecular dynamics simulation of cation distribution profiles on negatively charged lipid membranes during phase separation

Yuji Higuchi,* Klemen Bohinc, Jurij Reščič, Naofumi Shimokawa and Hiroaki Ito



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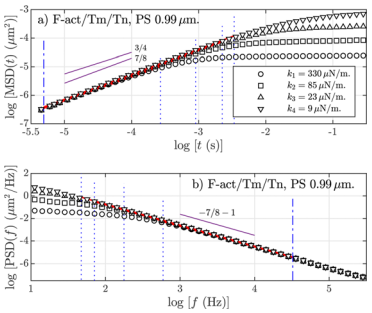
Micro-mechanical response and power-law exponents from the longitudinal fluctuations of F-actin solutions

Pablo Domínguez-García,* Jose R. Pinto, Ana Akrap* and Sylvia Jeney



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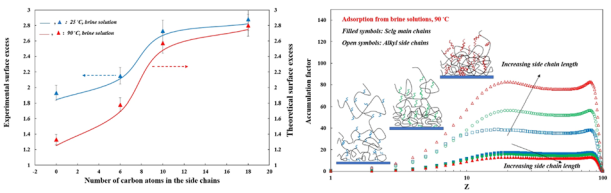
Tuning of scleroglucan adsorption on carbonate surfaces *via* grafting alkyl side chains of different lengths: a theoretical and experimental study

Abbas Shirdast, Behnam Davoodi, Jamal Aalaie, Pengfei Zhang and Alireza Sharif*



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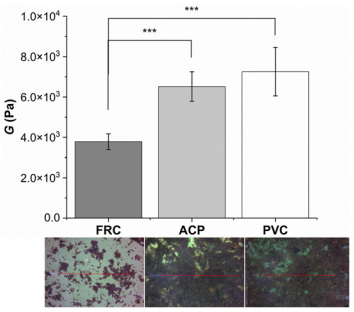
Surface properties influence marine biofilm rheology, with implications for ship drag

Alexandra A. Snowdon,* Simon P. Dennington, Jennifer E. Longyear, Julian A. Wharton and Paul Stoodley



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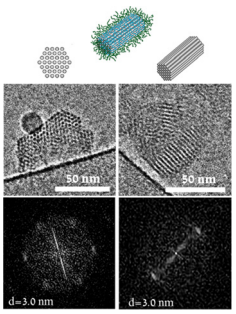
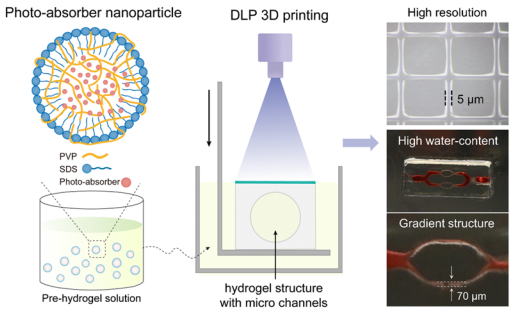


The nanostructure of polyelectrolyte complexes of QPDMAEMA-*b*-POEGMA copolymers and oppositely charged polyelectrolytes, and their stability in the presence of serum albumin

Sapir Rappoport, Varvara Chrysostomou, Stergios Pispas and Yeshayahu Talmon*

3700



A volatile microemulsion method of preparing water-soluble photo-absorbers for 3D printing of high-resolution, high-water-content hydrogel structures

Xiangnan He, Jianxiang Cheng, Zechu Sun, Haitao Ye, Qingjiang Liu, Biao Zhang* and Qi Ge*

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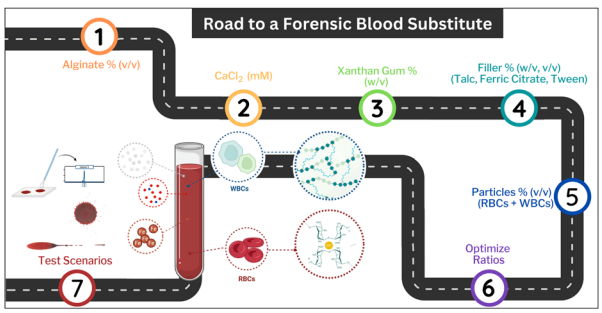
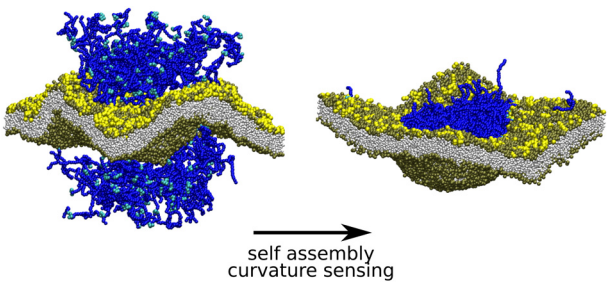


Alginate/xanthan gum hydrogels as forensic blood substitutes for bloodstain formation and analysis

Amanda Orr,* Paul Wilson and Theresa Stotesbury

3723



Membrane curvature sensing by model biomolecular condensates

Midhun Mohan Anila, Rikhia Ghosh and Bartosz Różycki*

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PAPERS

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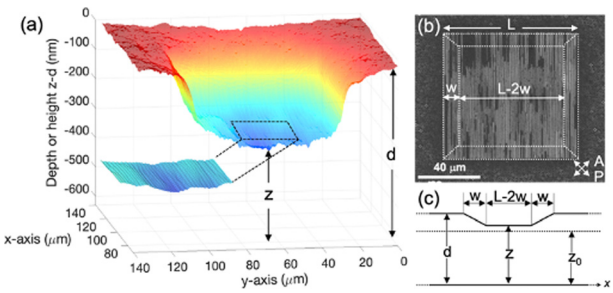
Energetics of topographically designed Smectic-A oily streaks

Amine Missaoui,* Adam L. Susser, Hillel Aharoni and Charles Rosenblatt



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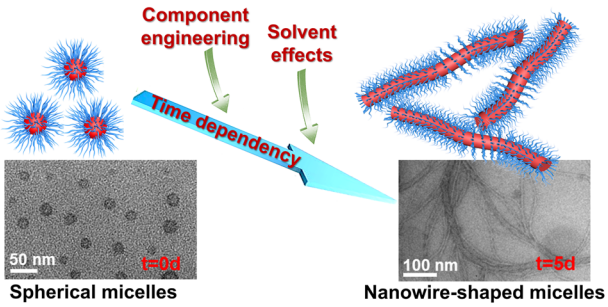
Well-shaped poly(dimethylsiloxane)-based copolymer nanowires from spherical micelles *via* kinetic shape evolution

Xiaoqin Ma, Aizhao Pan, Fengyi He, Shengying Huang, Junyan Liang and Ling He*



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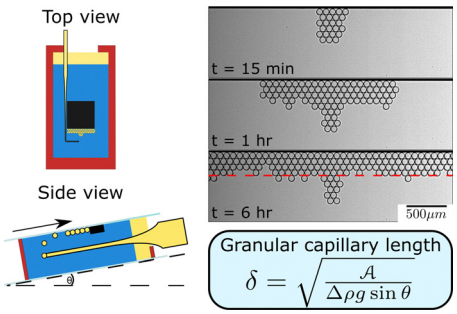
Two-dimensional spreading of frictionless adhesive oil droplets

Johnathan Hoggarth, Jean-Christophe Ono-dit-biot and Kari Dalnoki-Veress*



CORRECTION

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Correction: Environmentally responsive hydrogel composites for dynamic body thermoregulation

Marjorie G. Garzón Altamirano, M. G. Abebe, N. Hergué, J. Lejeune, A. Cayla, C. Campagne, B. Maes, E. Devaux, J. Odent* and J. M. Raquez