

# Soft Matter

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## IN THIS ISSUE

ISSN 1744-6848 CODEN SMOABF 21(12) 2185–2376 (2025)



### Cover

See Ying Diao *et al.*, pp. 2217–2229.  
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### Inside cover

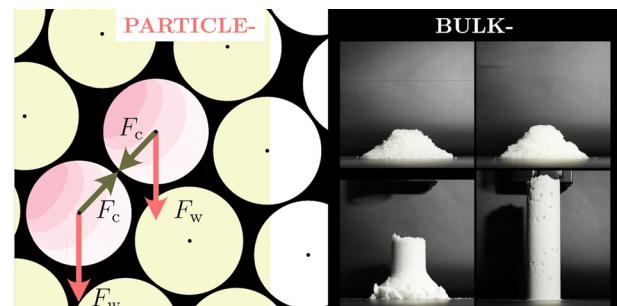
See Chenglin Wu, Zhaojian Li, Shaoting Lin *et al.*, pp. 2230–2241.  
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## REVIEW

2193

### Experimental models for cohesive granular materials: a review

Ram Sudhir Sharma and Alban Sauret\*

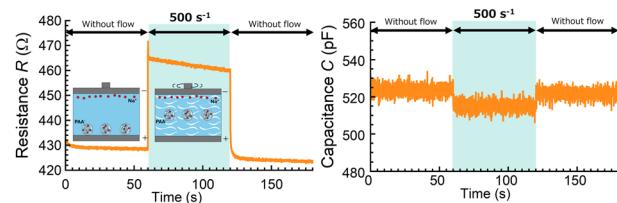


## COMMUNICATION

2209

### A torrent intercepts the ionic flow in a polyelectrolyte solution

Kaito Watanabe, Sayaka Naya, Yoshifumi Yamagata, Keisuke Miyamoto, Mika Kawai and Tetsu Mitsumata\*



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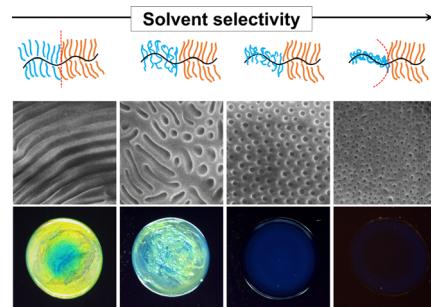


## PAPERS

2217

**Large modulation of the bottlebrush diblock copolymer morphology and structural color through solvent selectivity**

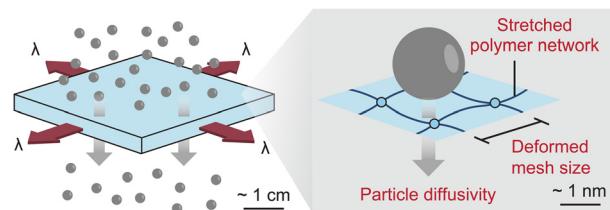
Sanghyun Jeon, Yash Kamble, Zhuang Xu, Azzaya Khasbaatar, Changhyun Hwang, Jong-Hoon Lee, Jiachun Shi, Simon A. Rogers, Damien Guironnet and Ying Diao\*



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**Mechano-diffusion of particles in stretchable hydrogels**

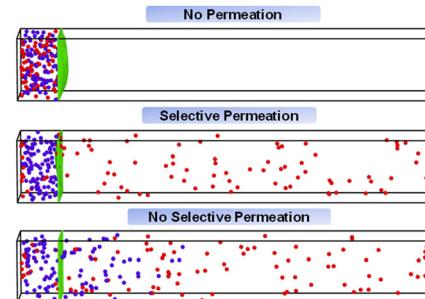
Chuwei Ye, Congjie Wei, Jiabin Liu, Tszi Hung Wong, Xinyue Liu, Ziyou Song, Chenglin Wu,\* Zhaojian Li\* and Shaoting Lin\*



2242

**Demixing of an active-passive binary mixture through a two-dimensional elastic meshwork**

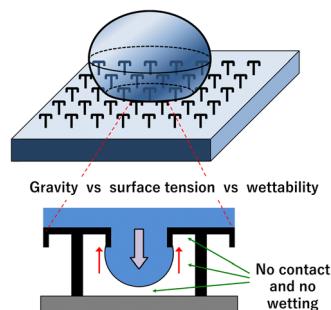
Ramanand Singh Yadav and Rajarshi Chakrabarti\*



2251

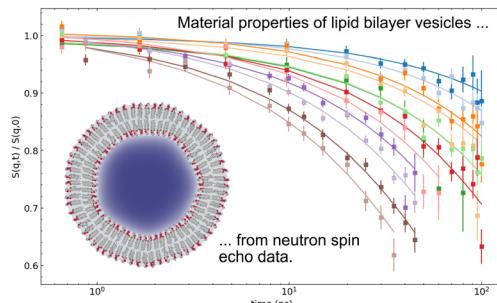
**Synthesis and isolation of metalloprotein on a super water-repellent umbrella-shaped pillar array with double re-entrant structure**

Daiki Tanaka,\* Masashi Kobayashi, Risa Fujita, Dong Hyun Yoon, Tetsushi Sekiguchi, Takashiro Akitsu, Shuichi Shoji, Takashi Tanii and Masahiro Furuya



## PAPERS

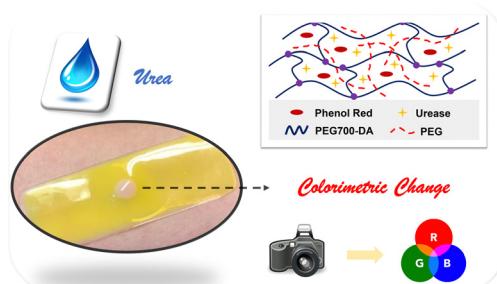
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### The effect of cholesterol on the bending modulus of DOPC bilayers: re-analysis of NSE data

Frank Heinrich\* and John F. Nagle\*

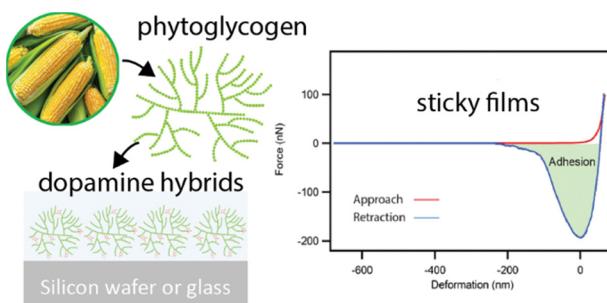
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### Development of colorimetric PEG-based hydrogel sensors for urea detection

Spyridon Efstatithiou, Alan M. Wemyss, Despina Coursari, Rachel A. Hand, Emmett Cullen Tinley, Jane Ford, Stephanie E. Edwards, Susan Bates, Richard L. Evans, Ezat Khoshdel and David M. Haddleton\*

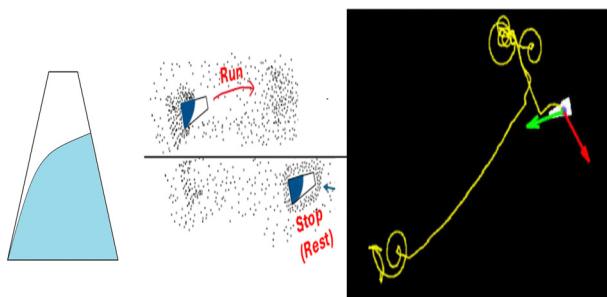
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### Hybrid phytoglycogen-dopamine nanoparticles as biodegradable underwater adhesives

Jiayi Liu, Dmitrii Sychev, Nadiia Davydiuk, Mahmoud Al-Hussein, Andreas Fery and Quinn A. Besford\*

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### Run-and-tumble like motion of a camphor-infused Marangoni swimmer

Pampa Dey,\* Abhishek Thakur, Aarsh Chotalia, Amitabha Nandi and P. Parmananda

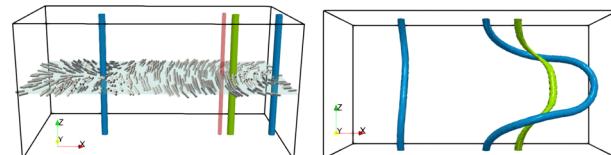


## PAPERS

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**Defect dynamics in cholesterics: beyond the Peach–Koehler force**

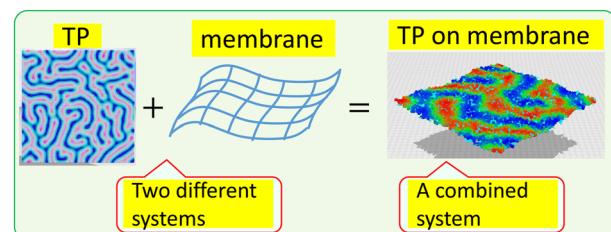
Joseph Pollard\* and Richard G. Morris



2317

**Turing patterns on polymerized membranes: coarse-grained lattice modelling with an internal degree of freedom for polymer direction**

Fumitake Kato, Hiroshi Koibuchi,\* Elie Bretin, Camille Carvalho, Roland Denis, Simon Masnou, Madoka Nakayama, Sohei Tasaki and Tetsuya Uchimoto

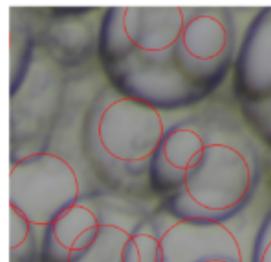


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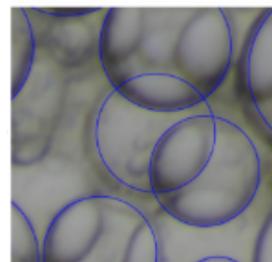
**Computer vision for high-throughput analysis of pickering emulsions**

Kieran D. Richards,\* Ella Comish and Rachel C. Evans\*

## Standard method



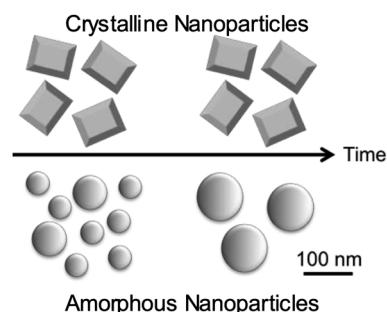
## This work



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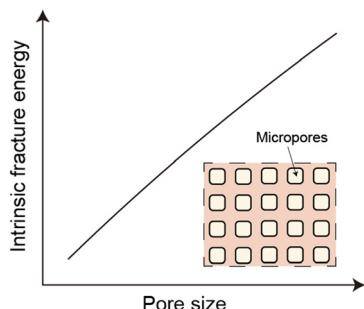
**On the Ostwald ripening of crystalline and amorphous nanoparticles**

Manja Annette Behrens, Alexandra Franzén, Sara Carlert, Urban Skantze, Lennart Lindfors and Ulf Olsson\*



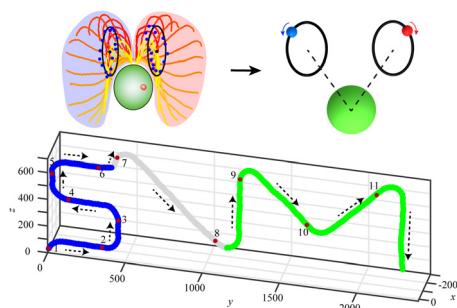
## PAPERS

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**Micropores can enhance the intrinsic fracture energy of hydrogels**

Puyu Cao, Bin Chen,\* Yi Cao and Huajian Gao

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**Reinforcement learning selects multimodal locomotion strategies for bioinspired microswimmers**

Yangzhe Liu, Zhao Wang and Alan C. H. Tsang\*