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



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

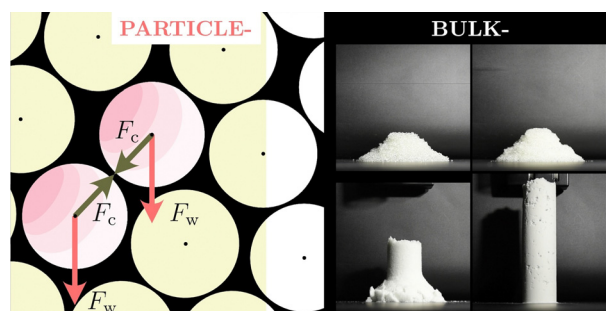
See Chenglin Wu, Zhaojian Li, Shaoting Lin *et al.*, pp. 2230–2241.
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REVIEW

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Experimental models for cohesive granular materials: a review

Ram Sudhir Sharma and Alban Sauret*

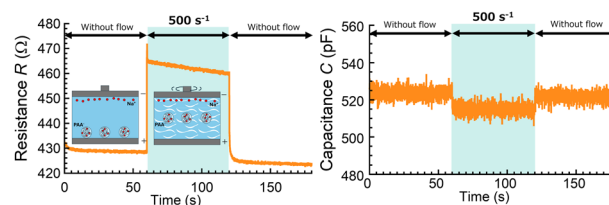


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A torrent intercepts the ionic flow in a polyelectrolyte solution

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



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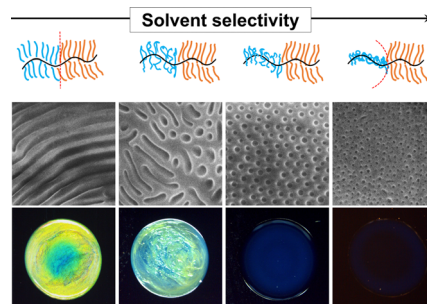


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Large modulation of the bottlebrush diblock copolymer morphology and structural color through solvent selectivity

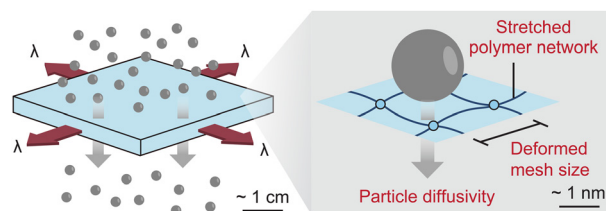
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Mechano-diffusion of particles in stretchable hydrogels

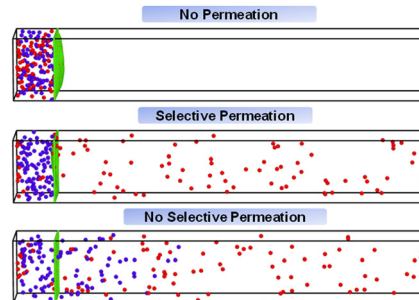
Chuwei Ye, Congjie Wei, Jiabin Liu, Tsz Hung Wong, Xinyue Liu, Ziyu Song, Chenglin Wu,* Zhaojian Li* and Shaoting Lin*



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

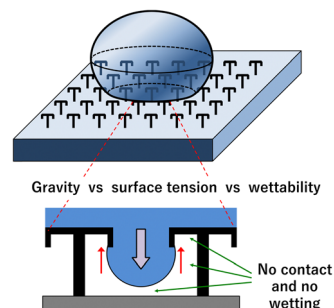
Ramanand Singh Yadav and Rajarshi Chakrabarti*



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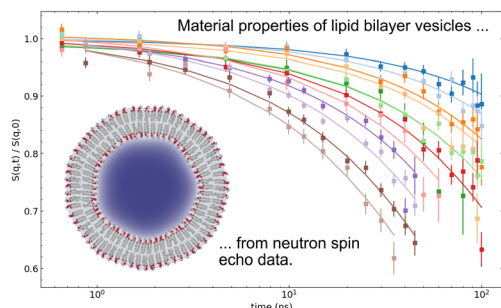
Synthesis and isolation of metalloprotein on a super water-repellent umbrella-shaped pillar array with double re-entrant structure

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



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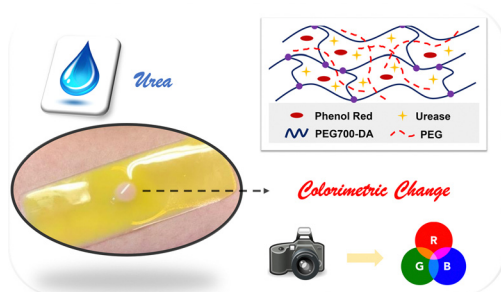
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The effect of cholesterol on the bending modulus of DOPC bilayers: re-analysis of NSE data

Frank Heinrich* and John F. Nagle*

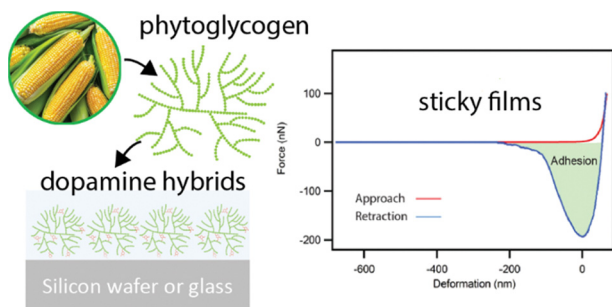
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Development of colorimetric PEG-based hydrogel sensors for urea detection

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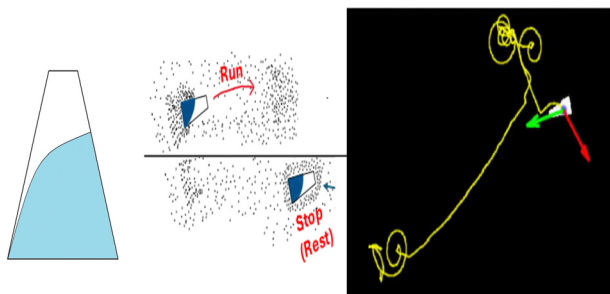
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Hybrid phytoglycogen-dopamine nanoparticles as biodegradable underwater adhesives

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

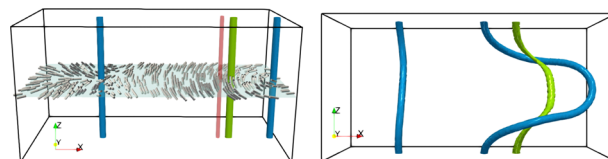


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Defect dynamics in cholesterics: beyond the Peach–Koehler force

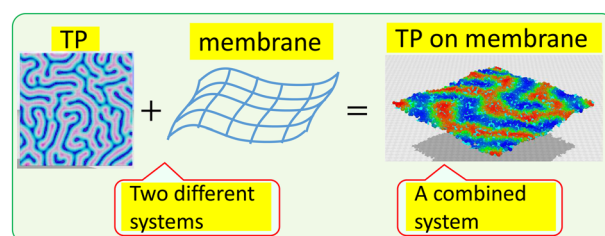
Joseph Pollard* and Richard G. Morris



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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



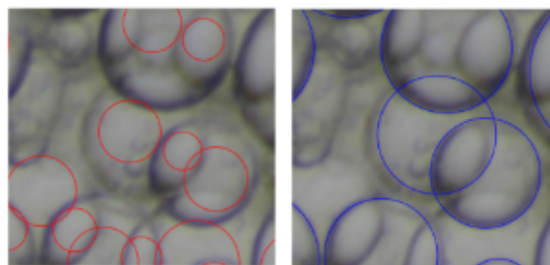
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Computer vision for high-throughput analysis of pickering emulsions

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

Standard method

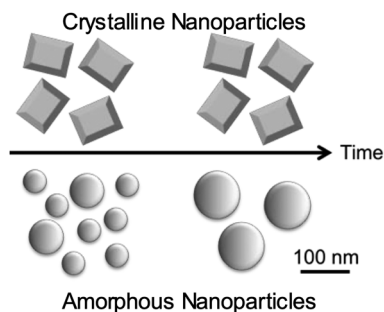
This work



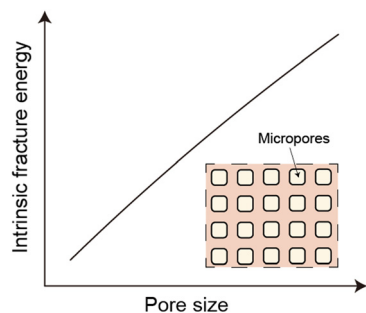
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On the Ostwald ripening of crystalline and amorphous nanoparticles

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



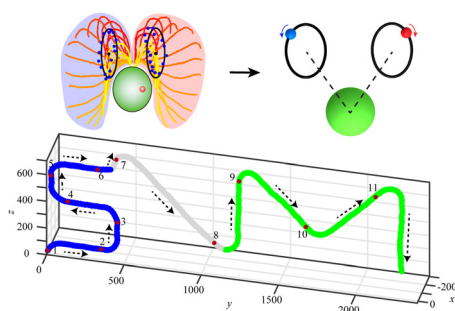
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Micropores can enhance the intrinsic fracture energy of hydrogels

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*

