

# Soft Matter

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ISSN 1744–6848 CODEN SMOABF 21(30) 6015–6166 (2025)



### Cover

See Raffaele Mezzenga *et al.*, pp. 6039–6046. Image reproduced by permission of Raffaele Mezzenga from *Soft Matter*, 2025, 21, 6039.



### Inside cover

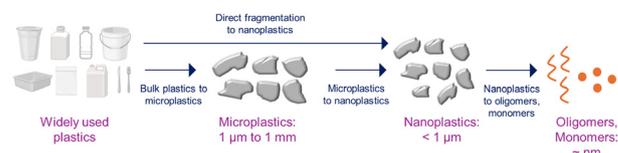
See Emily R. Draper, Giacomo Picci *et al.*, pp. 6047–6057. Image reproduced by permission of Giacomo Picci from *Soft Matter*, 2025, 21, 6047.

## PERSPECTIVE

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### Materials science underpinnings of micro and nanoplastics

Maninderjeet Singh, Nicholas F. Mendez, Michele Valsecchi, Guruswamy Kumaraswamy and Sanat K. Kumar\*

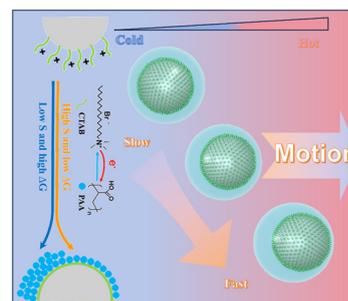


## COMMUNICATION

6034

### Preparation of liquid metal microrobots with an asymmetric core–shell structure for thermal gradient navigation

Qingteng Liu, Yuan Ji, Fangzhi Mou, Jianguo Guan and Long Ren\*



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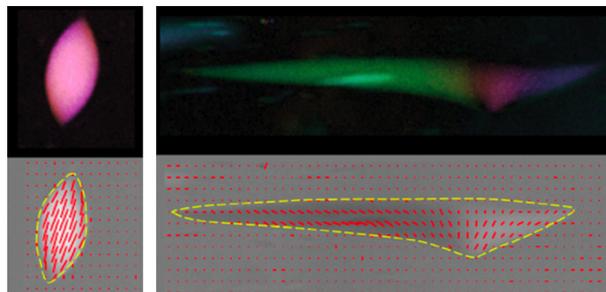
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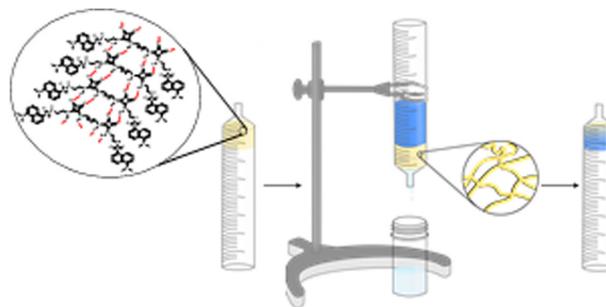
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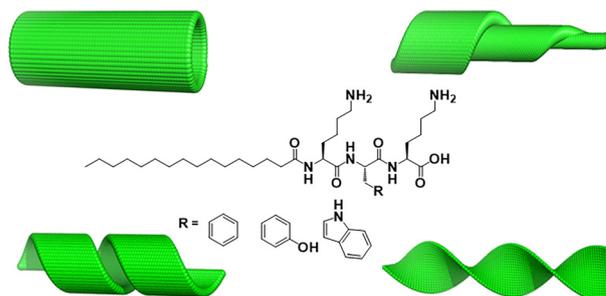
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**Double symmetry breaking in filamentous colloidal tactoids**Madina Almkambetova, Hamed Almohammadi,  
Florine Schleiffer and Raffaele Mezzenga\*

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**Squaramide-based supramolecular gels for the removal of organic dyes from water matrices**Jessica Milia, Simona Bianco, Tomás S. Plivelic,  
Emily R. Draper,\* Giacomo Picci\* and  
Claudia Caltagirone

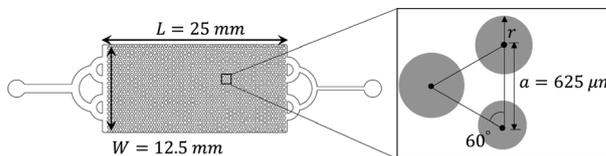
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**Diverse nanostructures and antimicrobial activity of lipopeptides bearing lysine-rich tripeptide sequences**Ian W. Hamley,\* Valeria Castelletto, Callum Rowding,  
Callum Wilkinson, Lucas R. de Mello, Bruno Mendes,  
Glyn Barrett and Jani Seitsonen

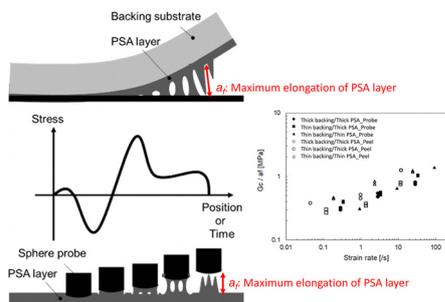
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**Voltage-controlled pattern transition of liquid metals in disordered porous media**

Zilu He, Rui Xiao,\* Shaoxing Qu\* and Dong-Sheng Wu



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## Viscous dissipative energy density as a general adhesion characteristic of adhesive tape

Kosuke Takahashi,\* Masako Yamada, Tatsuya Sasaki and Takashi Nakamura

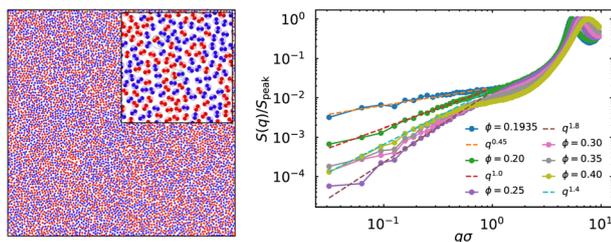
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## Evolution of adaptive force chains in reconfigurable granular metamaterials

Sven Witthaus, Atoosa Parsa, Dong Wang, Nidhi Pashine, Jerry Zhang, Arthur K. MacKeith, Mark D. Shattuck, Josh Bongard, Corey S. O'Hern and Rebecca Kramer-Bottiglio\*

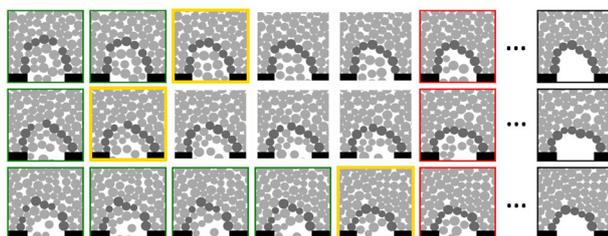
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## Hyperuniform mixing of binary active spinners

Rui Liu,\* Mingcheng Yang and Ke Chen

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## Cornerstones are the key stones: using interpretable machine learning to probe the clogging process in 2D granular hoppers

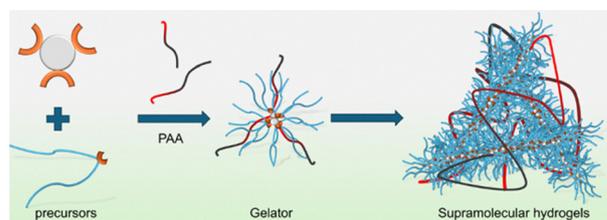
Jesse M. Hanlan, Sam Dillavou, Andrea J. Liu and Douglas J. Durian\*



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### Poly(acrylic acid)-catalyzed supramolecular self-assembly enables free-standing low-molecular-weight hydrogels

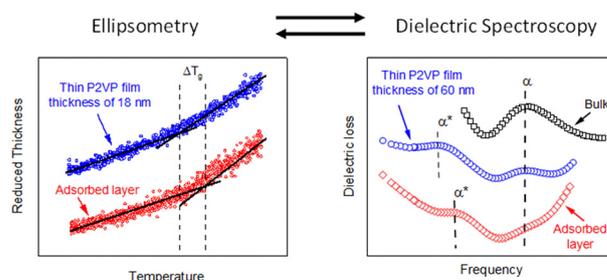
Samahir Sheikh Idris, Hucheng Wang, Yuliang Gao, Peiwen Cai, Yiming Wang, Kangkang Zhi\* and Shicheng Zhao\*



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### Molecular mobility of thin films and the adsorbed layer of poly(2-vinylpyridine)

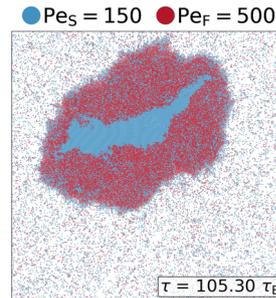
Marcel Gawek, Paulina Szymoniak, Deniz Hülögü, Andreas Hertwig and Andreas Schönhals\*



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### Binary mixtures of active Brownian particles with distinct nonzero activities

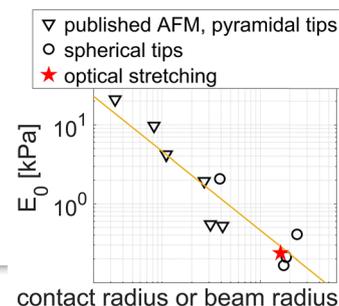
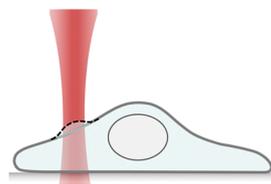
Nicholas J. Lauersdorf, Ehssan Nazockdast\* and Daphne Klotsa\*



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### Power-law rheology of adherent cells by local optical stretching and implications for mechanical modelling

Alexander Janik\*, Tobias Neckernuss, Kay-E. Gottschalk and Othmar Marti



## CORRECTION

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**Correction: Free energy modelling of a spherical nanoparticle at an oil/water interface**

Zhiwei Huang\* and Joseph L. Keddie

