

# Soft Matter

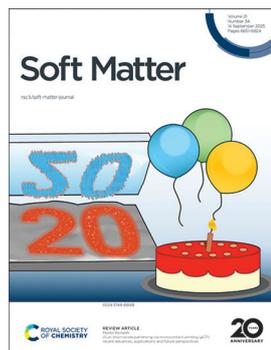
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### Cover

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### Inside cover

See Uroš Tkalec *et al.*, pp. 6679–6688. Image reproduced by permission of Uroš Tkalec from *Soft Matter*, 2025, 21, 6679.

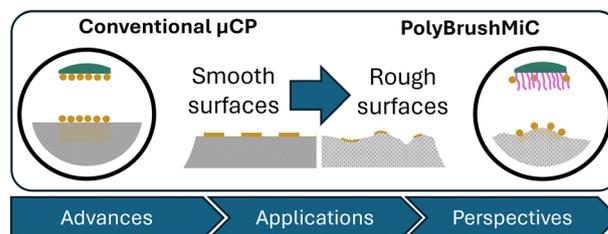
## REVIEW

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### (Sub-)microscale patterning via microcontact printing ( $\mu$ CP): recent advances, applications and future perspectives

Martin Reifarth

### Microcontact printing ( $\mu$ CP)

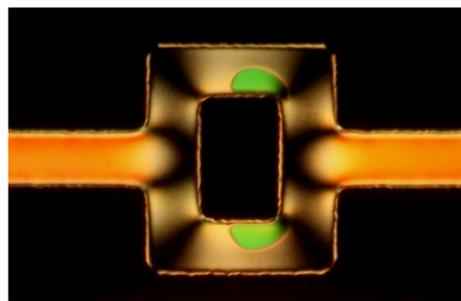


## PAPERS

6679

### Microchannel geometry effects on nematic dowser domain dynamics

Tadej Emeršič, Rui Zhang, Simon Čopar, Juan J. de Pablo and Uroš Tkalec\*



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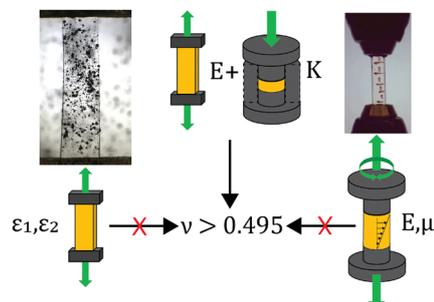
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6689

### Errors matter when measuring Poisson's ratio of nearly incompressible elastomers

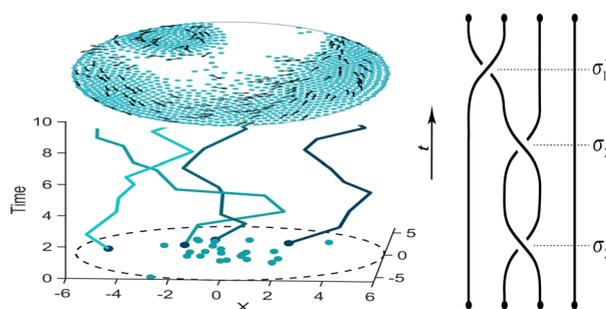
Robert D. Nedoluha, Majed N. Saadawi and Christopher W. Barney\*



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### Braided mixing in confined chiral active matter

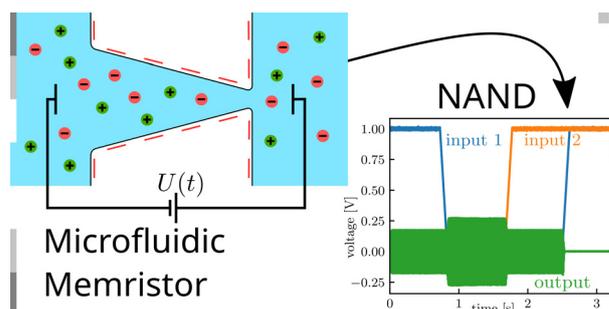
Yue Wang and Jonas Berx\*



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### Microfluidic memristive oscillators as universal logic gates for neuromorphic computing

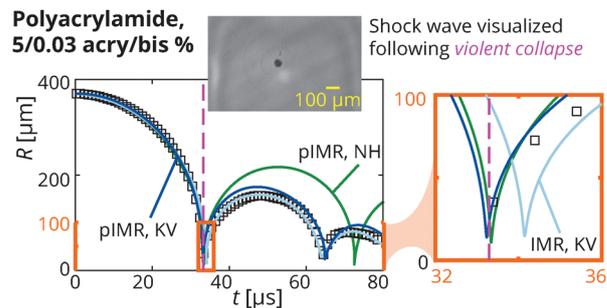
Nex C. X. Stuhlmüller\*, René van Roij and Marjolein Dijkstra\*



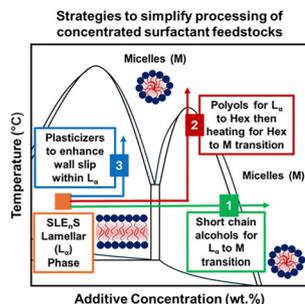
6717

### Parsimonious inertial cavitation rheometry via bubble collapse time

Zhiren Zhu,\* Sawyer Remillard,\* Bachir A. Abeid, Danila Frokin, Spencer H. Bryngelson, Jin Yang, Mauro Rodriguez Jr.\* and Jonathan B. Estrada\*



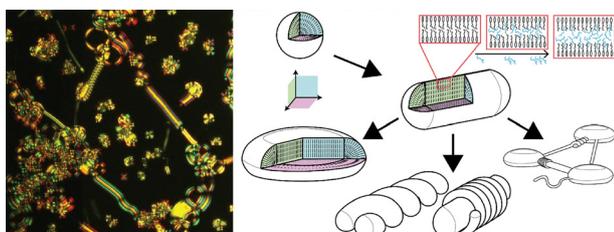
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### Effects of additives on the rheology and phase behavior of lamellar-structured concentrated surfactant solutions

Parth U. Kelkar, Matthew Kaboolian, Cornelius A. Atherton, Evan R. Williams, Seth Lindberg and Kendra A. Erk\*

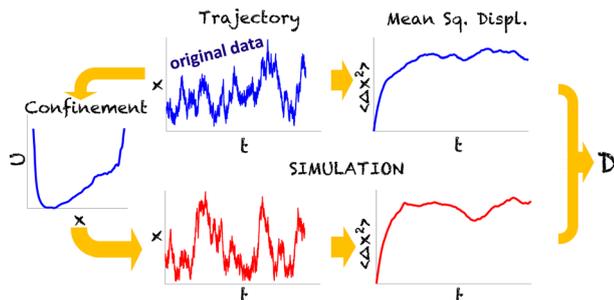
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### Structural complexity driven by liquid–liquid crystal phase separation of smectics

Christopher A. Browne, Yuma Morimitsu, Na Kyung Kim, Manesh Gopinadhan, Eric B. Sirota, Ozcan Altintas, Kazem V. Edmond, Paul A. Heiney and Chinedum O. Osuji\*

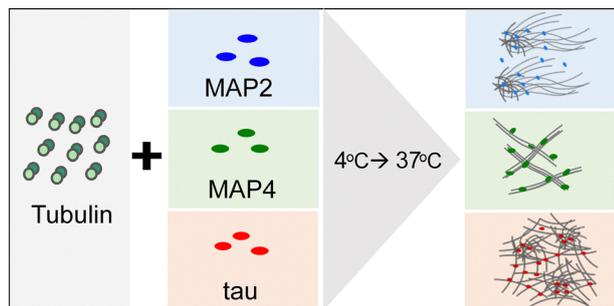
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### Brownian diffusion in non-harmonic potentials

Stefano Villa\* and Maurizio Nobili

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### Rheological and thermal behaviour of microtubule networks mediated by microtubule associated proteins

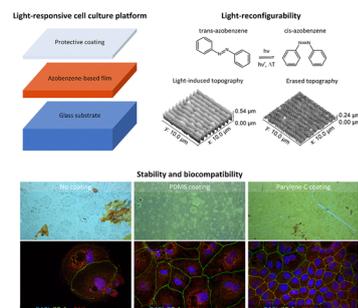
Syeda Rubaiya Nasrin, Masashi Ohira, Kousuke Matsumura, Tomomi Tani, Kiyotaka Tokuraku, Kazuki Sada, Mitsuhiro Shibayama, Xiang Li\* and Akira Kakugo\*



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## Stabilizing light-responsive azobenzene films in an aqueous environment with thin polymer coatings

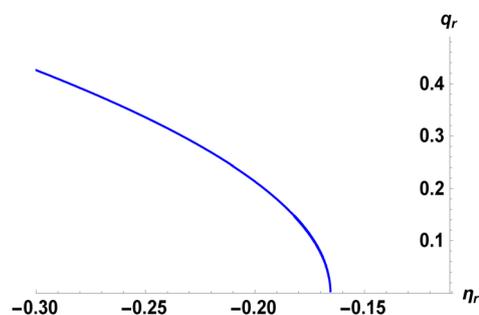
Mari Isomäki, Lotta Kääriäinen, Chiara Fedele,\*  
Suvi Lehtimäki, Tero-Petri Ruoko, Elina Mäntylä,  
Teemu O. Ihalainen and Arri Priimagi\*



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## A splay-twist phase stabilized by the interaction between the nematic and torsional fields in nematics

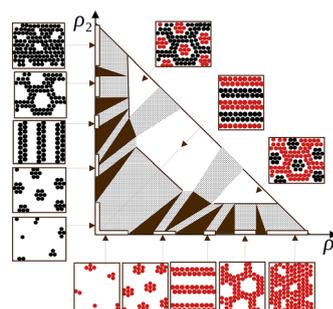
I. Lelidis,\* G. Barbero and L. R. Evangelista



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## Patterns with long and short-range order in monolayers of binary mixtures with competing interactions

M. Litniewski, W. T. Gozdz and A. Ciach\*



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## Surface functional group dependent enthalpic and entropic contributions to molecular adsorption on colloidal microplastics

Ikechukwu Kanu, Amrit Ojha, Kalie Adams, Jacob Brooks  
and Mahamud Subir\*

