

# Soft Matter

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### Cover

See Stefan A.L. Weber *et al.*, pp. 5045–5052. Image reproduced by permission of Katharina Maisenbacher (MPI-P Mainz) from *Soft Matter*, 2024, 20, 5045.



### Inside cover

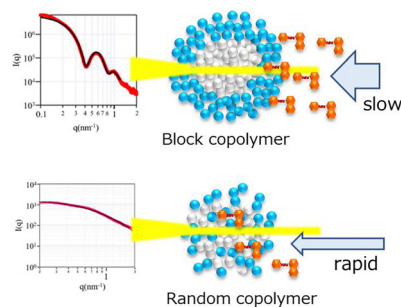
See Masahiko Asada, Hidenori Otsuka *et al.*, pp. 5040–5044. Image reproduced by permission of Hidenori Otsuka from *Soft Matter*, 2024, 20, 5040.

## COMMUNICATION

5040

### Investigating the effect of the micelle structures of block and random copolymers on dye solubilization

Masahiko Asada,\* Airi Wakai, Hisakazu Tanaka, Yukie Suwa, Yuuji Tamura, Mariko Kouyama, Shigehito Osawa and Hidenori Otsuka\*

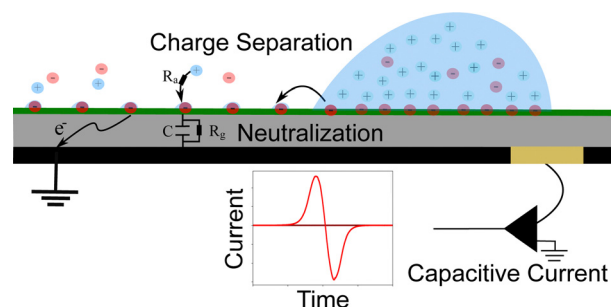


## PAPERS

5045

### Surface charge density and induced currents by self-charging sliding drops

Pravash Bista, Aaron D. Ratschow, Amy Z. Stetten, Hans-Jürgen Butt and Stefan A.L. Weber\*



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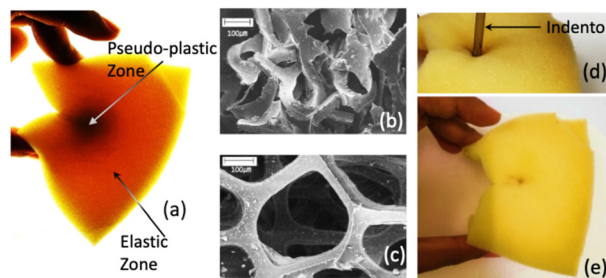
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5053

## Imprinting reversible deformations on a compressed soft rod network

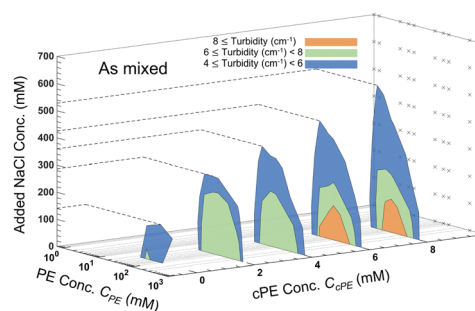
Harsh Jain\* and Shankar Ghosh



5060

## Quantitative turbidimetric characterization of stabilized complex coacervate dispersions

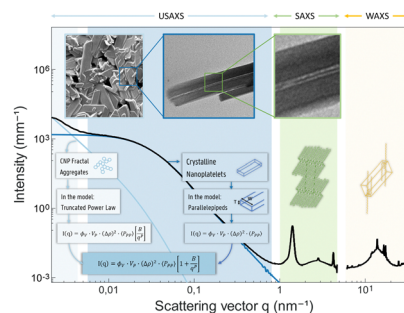
Advait Holkar, Shang Gao, Kathleen Villaseñor, Michael Lake and Samanvaya Srivastava\*



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## Multiscale analysis of triglycerides using X-ray scattering: implementing a shape-dependent model for CNP characterization

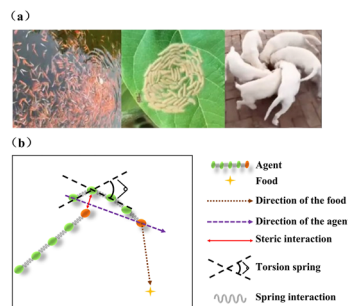
Ivana A Penagos, Fien De Witte, Tom Rimaux, William Chèvrement, Isabel Pintelon, Koen Dewettinck and Filip Van Bockstaele\*



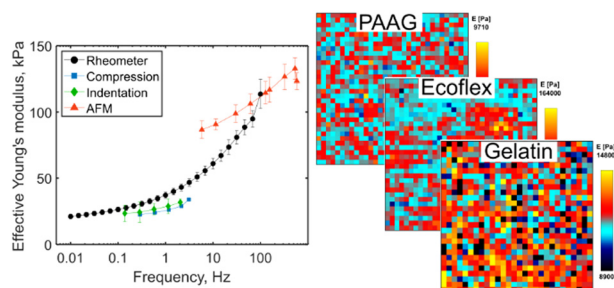
5086

## Spontaneous stable rotation of flocking flexible active matter

Gaoxiao Jiang, Zhihong You, Rui Ma\* and Chenxu Wu\*



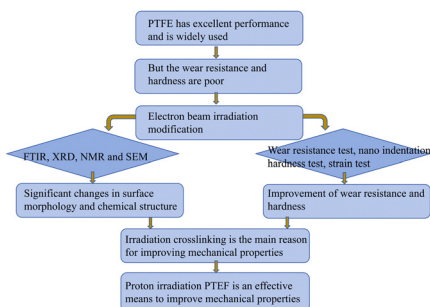
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## Mechanical characterization of soft biomaterials: which time and spatial scale to choose?

Ekaterina S. Krivega, Svetlana L. Kotova,  
Peter S. Timashev and Yuri M. Efremov\*

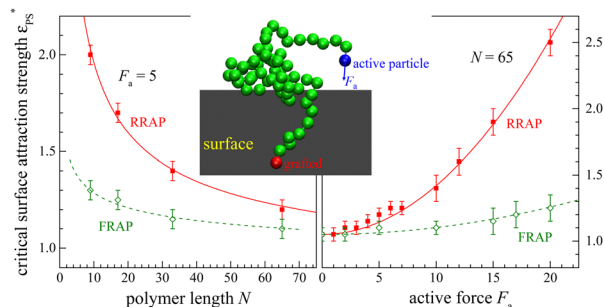
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## Electron irradiation enhanced wear resistance and hardness of polytetrafluoroethylene (PTFE)

Yuliang Yao, Yi Wei, Yong Fan and Engang Fu\*

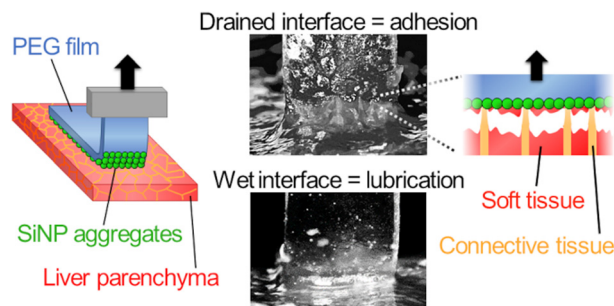
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## Langevin dynamics simulations for the critical adsorption of end-grafted active polymers

Meng-Bo Luo\* and Yi-Fan Shen

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## Hydrogel-tissue adhesion by particle bridging: sensitivity to interfacial wetting and tissue composition

Raphaël Michel\* and Laurent Corté\*



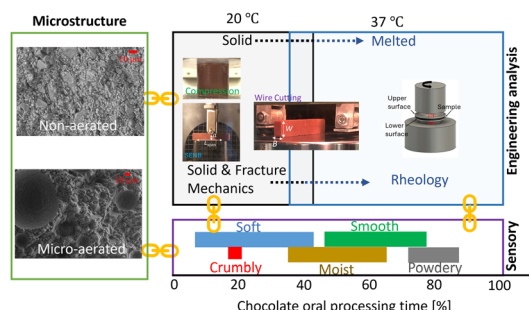


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# Combining fracture mechanics and rheology to investigate the impact of micro-aeration on chocolate oral processing

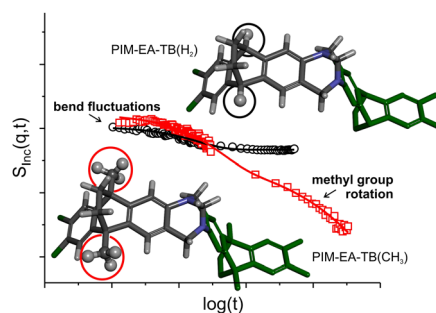
G. Samaras,\* D. Bikos,\* P. Cann, M. Masen, Y. Hardalupas, C. Hartmann, J. Vieira and M. N. Charalambides



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# Microscopic molecular mobility of high-performance polymers of intrinsic microporosity revealed by neutron scattering – bend fluctuations and signature of methyl group rotation

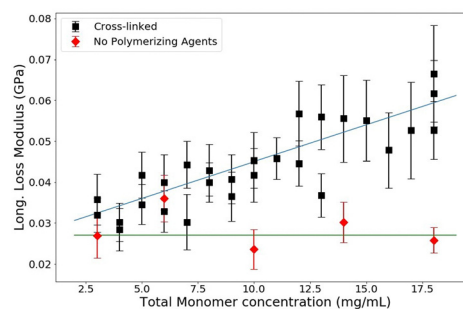
Reiner Zorn, Paulina Szymoniak, Mohamed A. Kolmangadi, Richard Malpass-Evans, Neil B. McKeown, Niina H. Jalarvo, Madhusudan Tyagi, Martin Böhning and Andreas Schönhals\*



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# Effect of polymerization on free water in polyacrylamide hydrogels observed with Brillouin spectroscopy

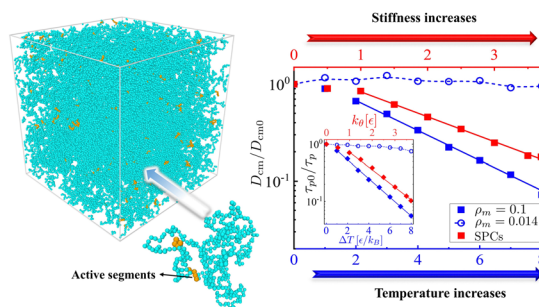
Britta R. Gorman and L. E. McNeil\*



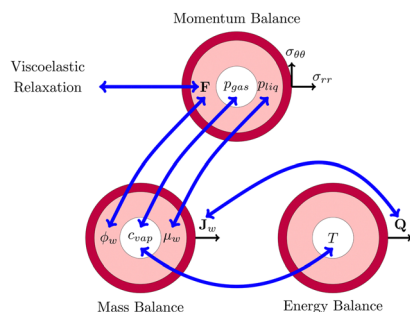
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# Activity-induced stiffness, entanglement network and dynamic slowdown in unentangled semidilute polymer solutions

Jing Li, Bokai Zhang\* and Zhi-Yong Wang\*



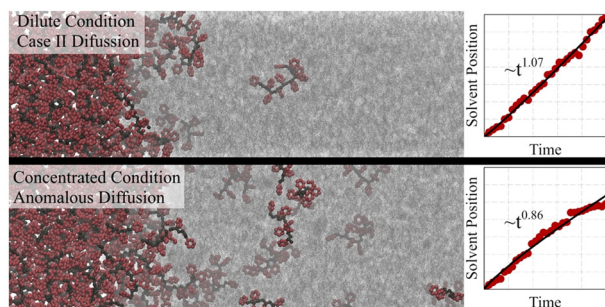
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## Pore development in viscoelastic foods during drying

Ruud van der Sman,\* Michele Curatolo and Luciano Teresi

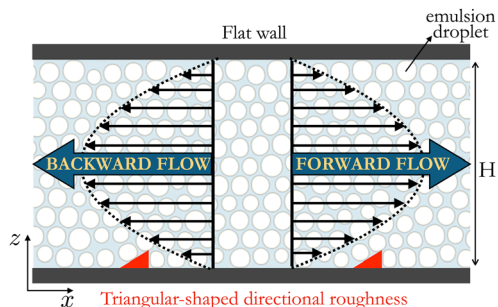
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## All-atom molecular dynamics simulation of solvent diffusion in an unentangled polystyrene film

Javad Tamnanloo and Mesfin Tsige\*

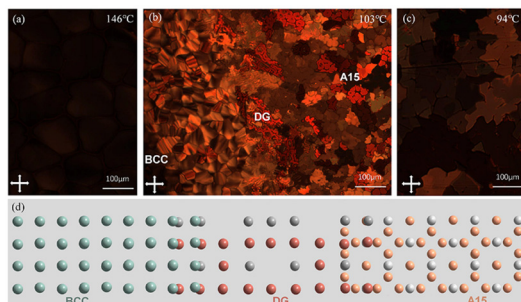
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## Emulsions in microfluidic channels with asymmetric boundary conditions and directional surface roughness: stress and rheology

Francesca Pelusi,\* Daniele Filippi, Ladislav Derzsi, Matteo Pierno and Mauro Sbragaglia

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## Frank–Kasper phases in charge transfer complexes enable tunable photoelectronic properties

Xinyue Zhao, Chenhui Wei, Wang Fuzhou, Xinran Zhang, Jianchuang Wang, Mengfei Wang, Maoxin Zhang, Chunxiu Zhang,\* Erqiang Chen\* and Haifeng Yu\*

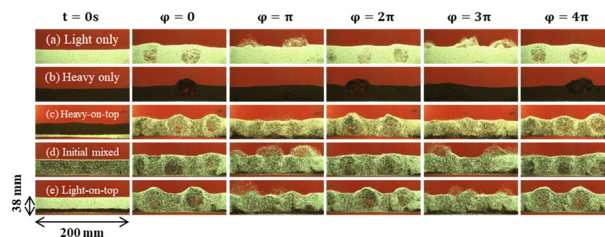


## PAPERS

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# Structured bubbling in vibrated gas-fluidized beds of binary granular particles: experiments and simulations

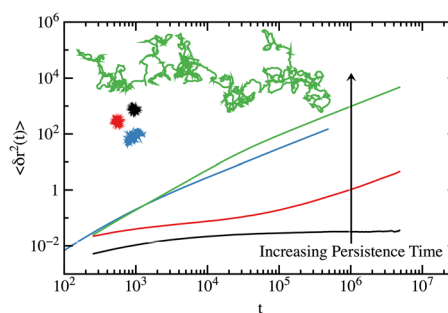
Jagan Mohan Sanghishetty, Naimah M. Russ, Christopher Spitler, Qiang Guo, D. R. Nagaraj, Raymond S. Farinato and Christopher M. Boyce\*



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# Extremely persistent dense active fluids

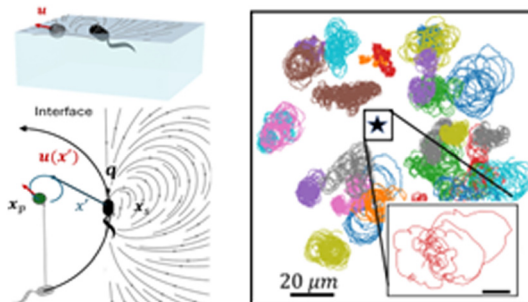
Grzegorz Szamel\* and Elijah Flenner



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# Swimmers at interfaces enhance interfacial transport

Jiayi Deng, Mehdi Molaei, Nicholas G. Chisholm, Scarlett E. Clarke and Kathleen J. Stebe\*



## CORRECTION

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# Correction: A passive star polymer in a dense active bath: insights from computer simulations

Ramanand Singh Yadav, Sanaa Sharma, Ralf Metzler\* and Rajarshi Chakrabarti\*

