

# Soft Matter

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## IN THIS ISSUE

ISSN 1744-6848 CODEN SMOABF 20(5) 943–1154 (2024)



### Cover

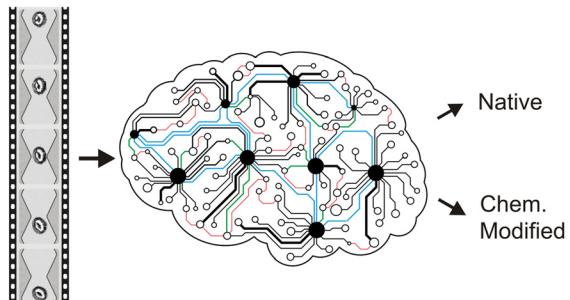
See T. Franke  
et al., pp. 952–958.  
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Thomas Franke  
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2024, 20, 952.  
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## PAPERS

952

### Classification of chemically modified red blood cells in microflow using machine learning video analysis

R. K. Rajaram Baskaran, A. Link, B. Porr and T. Franke\*

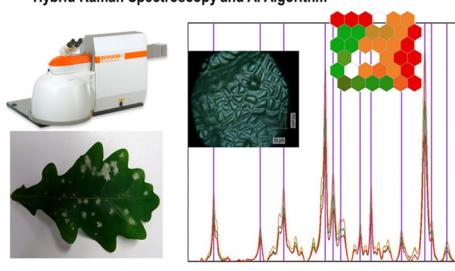


959

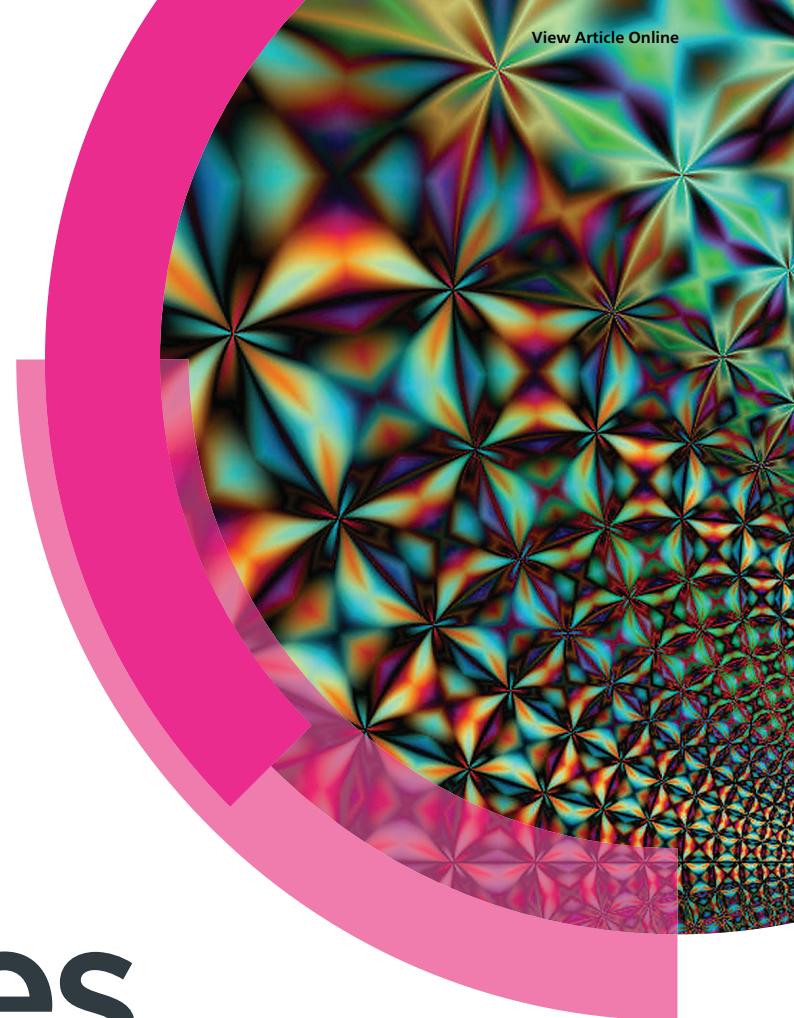
### Vibrational spectroscopic profiling of biomolecular interactions between oak powdery mildew and oak leaves

Kieran R. Clark and Pola Goldberg Oppenheimer\*

#### Hybrid Raman Spectroscopy and AI Algorithm



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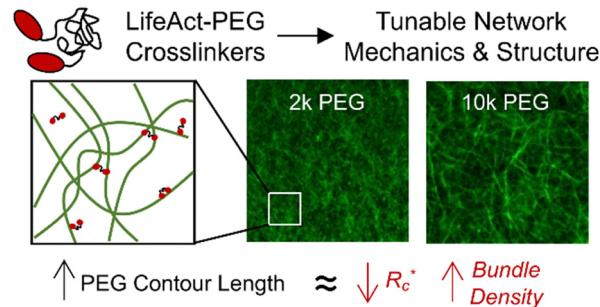
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## PAPERS

971

**Highly flexible PEG-LifeAct constructs act as tunable biomimetic actin crosslinkers**

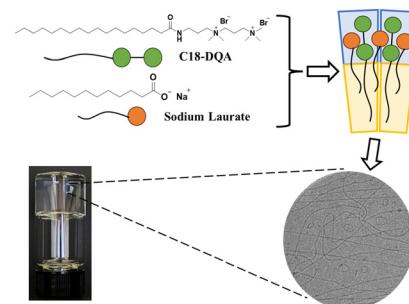
Tyler D. Jorgenson,\* Kashmeera D. Baboolall, Cristian Suarez, David R. Kovar, Margaret L. Gardel\* and Stuart J. Rowan\*



978

**Wormlike micellar solutions formed by an anionic surfactant and a cationic surfactant with two head groups**

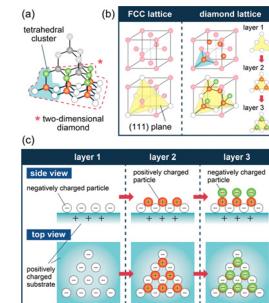
Hongye Li, Zhengrong Lin, Zhao Chen, Zhenggang Cui, Lan Lei and Binglei Song\*



985

**Formation of two-dimensional diamond-like colloidal crystals using layer-by-layer electrostatic self-assembly**

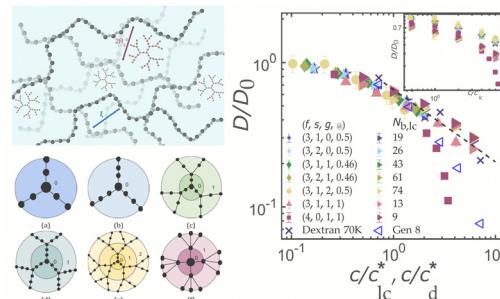
Minori Fujita, Akiko Toyotama, Tohru Okuzono, Hiromasa Niinomi and Junpei Yamanaka\*



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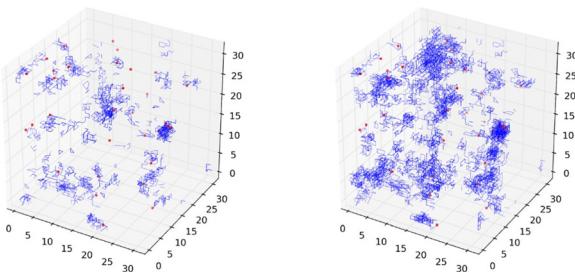
**Universal scaling of the diffusivity of dendrimers in a semidilute solution of linear polymers**

Silpa Mariya, Jeremy J. Barr, P. Sunthar and J. Ravi Prakash\*



## PAPERS

1009

 $T = 0.22, \Delta t = 2 \times 10^{-2}$ **The distinguishable-particle lattice model of glasses in three dimensions**

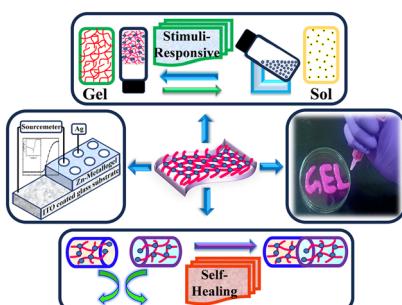
Bo Li, Chun-Shing Lee, Xin-Yuan Gao, Hai-Yao Deng\* and Chi-Hang Lam\*

1018

**Encapsulation of multiple enzymes within a microgel via water-in-water emulsions for enzymatic cascade reactions**

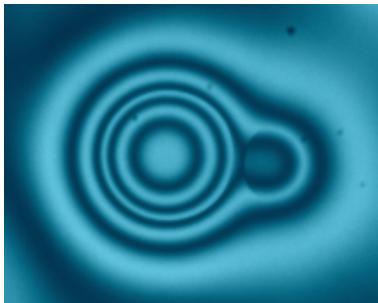
Yota Okuno\* and Yasuhiko Iwasaki

1025

**Stimuli-responsive and self-healing supramolecular Zn(II)-guanosine metal-organic gel for Schottky barrier diode application**

Surbhi Singh, Atul Kumar Sharma, Hrushikesh M. Gade, Vidhi Agarwal, Rajendar Nasani, Nisha Verma and Bhagwati Sharma\*

1036

**Coalescence of biphasic droplets embedded in free standing smectic A films**

Christoph Klopp,\* Torsten Trittel, Kirsten Harth and Ralf Stannarius\*

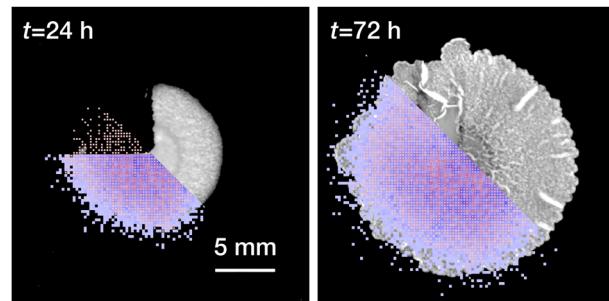


## PAPERS

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**Residual cells and nutrient availability guide wound healing in bacterial biofilms**

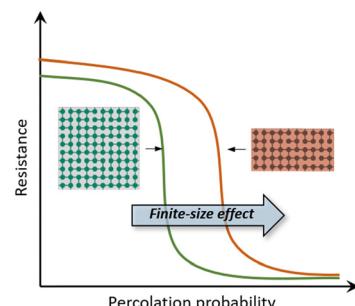
Yusong Ye, Mnar Ghrayeb, Sarah Miercke, Sania Arif, Susann Müller, Thorsten Mascher, Liraz Chai\* and Vasily Zaburdaev\*



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**Finite-size effect on the percolation and electromechanical behaviors of liquid metal particulate composites**

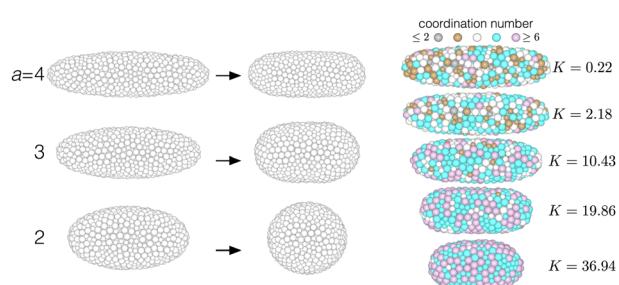
Mohammad Madadi and Pu Zhang\*



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**Jamming on convex deformable surfaces**

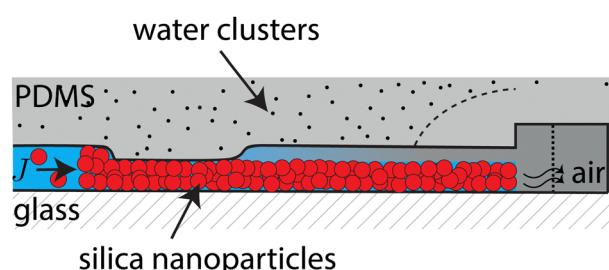
Zhaoyu Xie and Timothy J. Atherton\*



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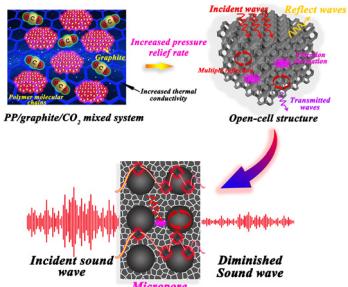
**Directional drying of a colloidal dispersion: quantitative description with water potential measurements using water clusters in a poly(dimethylsiloxane) microfluidic chip**

Hrishikesh Pingulkar, Sonia Maréchal and Jean-Baptiste Salmon\*



## PAPERS

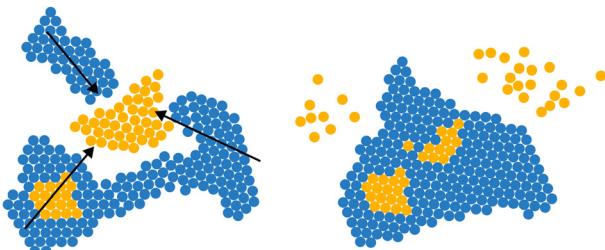
1089



### Rational design of a polypropylene composite foam with open-cell structure *via* graphite conductive network for sound absorption

Zhiyao Li, Chenguang Yang,\* Kun Yan, Ming Xia, Zhong Yan, Dong Wang\* and Wenwen Wang\*

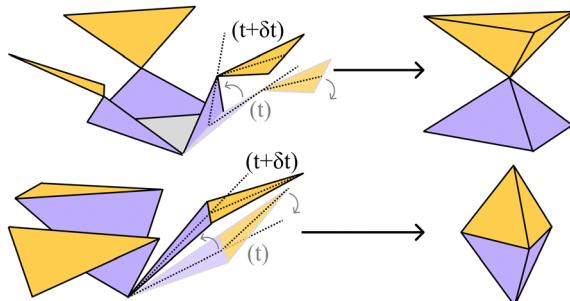
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### Self-organization of active colloids mediated by chemical interactions

Zhiwei Peng and Raymond Kapral\*

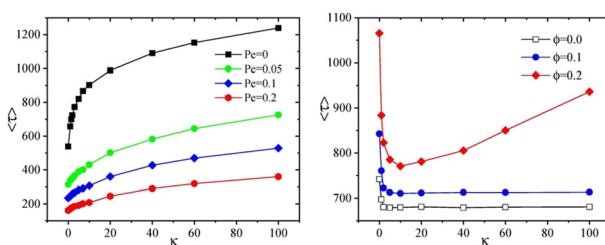
1114



### Optimal face-to-face coupling for fast self-folding kirigami

Maks Pecnik Bambic, Nuno A. M. Araújo, Benjamin J. Walker, Duncan R. Hewitt, Qing Xiang Pei, Ran Ni and Giorgio Volpe\*

1120



### Forced and spontaneous translocation dynamics of a semiflexible active polymer in two dimensions

Fei Tan, Jingli Wang, Ran Yan and Nanrong Zhao\*

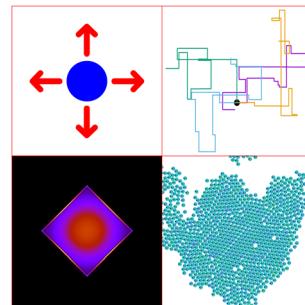


## PAPERS

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## Anisotropic run-and-tumble-turn dynamics

Benjamin Loewe,\* Timofey Kozhukhov and  
Tyler N. Shendruk



## CORRECTION

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## Correction: Multi-layer 3D printed dipeptide-based low molecular weight gels

Max J. S. Hill and Dave J. Adams\*