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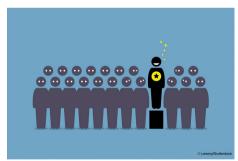


Inside cover See Dongshi Guan et al., pp. 5443–5451. Image reproduced by permission of Dongshi Guan from *Soft Matter*, 2023, **19**, 5443.

EDITORIAL

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Outstanding Reviewers for Soft Matter in 2022

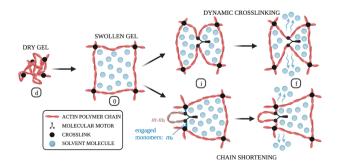


PAPERS

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Energetics of cytoskeletal gel contraction

Matteo Ferraresso, Albert Kong, Mehadi Hasan, Daniele Agostinelli, Gwynn J. Elfring and Mattia Bacca*



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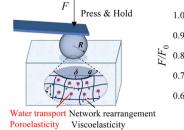


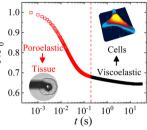


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Crossover behavior in stress relaxations of poroelastic and viscoelastic dominant hydrogels

Hangyu Li, Xinyi Lian and Dongshi Guan*

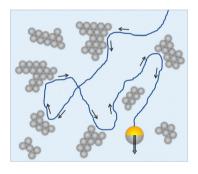




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Island hopping of active colloids

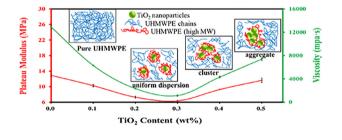
Venkata Manikantha Sai Ganesh Tanuku,* Peter Vogel, Thomas Palberg and Ivo Buttinoni



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Nanoscale effects of TiO₂ nanoparticles on the rheological behaviors of ultra-high molecular weight polyethylene (UHMWPE)

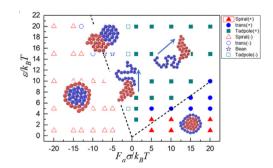
Yang Sui, Yi Cui, Peng Wei, Chuanbo Cong, Xiaoyu Meng, Hai-Mu Ye and Qiong Zhou*



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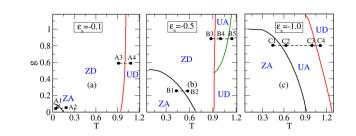
Configuration and dynamics of a self-propelled diblock copolymer chain

Yang Jiao, Jing Wang, Wen-de Tian* and Kang Chen*



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rol bilayer membranes

Phospholipid-choleste

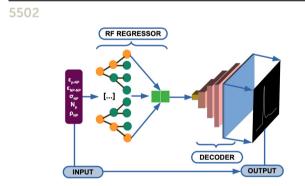
Hydrophobic rod

Force induced DNA melting in the presence of an attractive surface

Dibyajyoti Mohanta,* Debaprasad Giri and Sanjay Kumar

Mimicking effects of cholesterol in lipid bilayer membranes by self-assembled amphiphilic block copolymers

Xiaoyuan Wang, Shixin Xu, Fredric S. Cohen, Jiwei Zhang* and Yongqiang Cai*

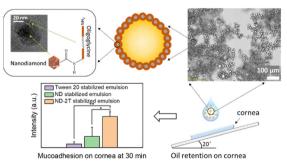


Amphiphilic polymers self-assembly mimics phospholipid-cholesterol bilayer membranes

nanoNET: machine learning platform for predicting nanoparticles distribution in a polymer matrix

Kumar Ayush, Abhishek Seth and Tarak K Patra*

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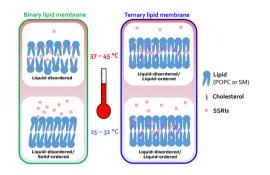
Pickering emulsions stabilised with oligoglycinefunctionalised nanodiamond as a model system for ocular drug delivery applications

Zhiwei Huang, Roman V. Moiseev, Solomon S. Melides, Wooli Bae, Izabela Jurewicz, Vitaliy V. Khutoryanskiy and Joseph L. Keddie*

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The interplay of membrane fluidity, acyl chain order and area per lipid on the partitioning of two antidepressants paroxetine and sertraline

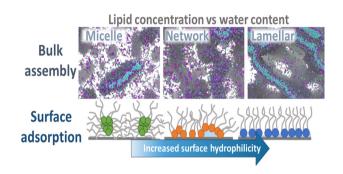
Dat T. N. Ngo, Tho H. Ho, Lam K. Huynh and Trang T. Nguyen*



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From microemulsion phase diagrams to hydrophilicity and hydration controlled adsorption: a dissipative particle dynamics modelling study of phospholipid assembly in bio oils

Maisa Vuorte and Maria Sammalkorpi*



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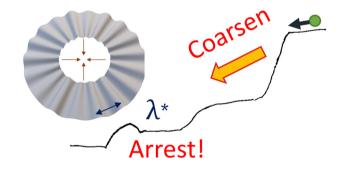
Hysteretic wavelength selection in isometric, unsupported radial wrinkling

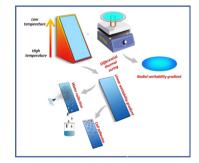
Anshuman S. Pal

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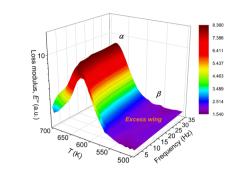
Facile fabrication of stable wettability gradients on elastomeric surfaces for applications in water collection and controlled cell adhesion

Soorya S. Raj, Romina Marie Mathew, Deljo Davis, Subramanyan Namboodiri Varanakkottu, Asha Srinivasan and Vinod T. P.*





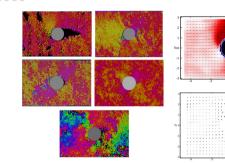




Experimental evidence of β -relaxation and its structural origin in ZIF-62 glass

Si-Xu Peng, Ying-Ying Zhu, Gang Li, Yongkang Luo, Xiaotao Han and Shi-Yu Liu*

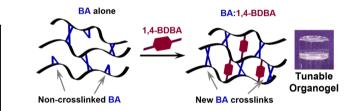
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Comparing individual-based models of collective cell motion in a benchmark flow geometry

Carine Beatrici, Cássio Kirch, Silke Henkes, François Graner and Leonardo Brunnet*

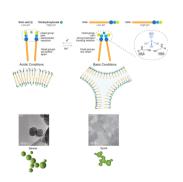
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Cooperative crosslinking in polyvinyl alcohol organogels

Holli R. Scott, Ani N. Davis and Gretchen Marie Peters*

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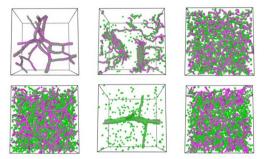
pH- and temperature-responsive supramolecular assemblies with highly adjustable viscoelasticity: a multi-stimuli binary system

Yu-Ting Lin, Shuhao Liu, Bhargavi Bhat, Kai-Yuan Kuan, Wentao Zhou, Ignacio Jose Cobos, Joseph Sang-Il Kwon and Mustafa E. S. Akbulut*

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Re-entrant transitions of locally stiff RNA chains in the presence of polycations leads to gelated architectures

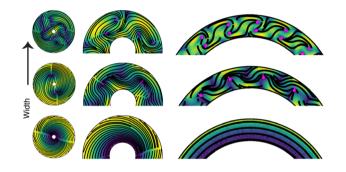
Isha Malhotra and Davit A Potoyan*



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From disks to channels: dynamics of active nematics confined to an annulus

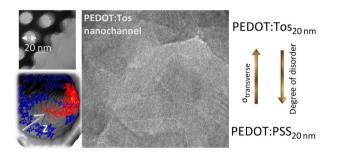
Chaitanya Joshi,* Zahra Zarei, Michael M. Norton, Seth Fraden, Aparna Baskaran* and Michael F. Hagan*



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Ordered and disordered microstructures of nanoconfined conducting polymers

Sukanya Das, Pranay Venkatesh, Sarbani Ghosh and K. S. Narayan*



CORRECTIONS

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Correction: Post-liquefaction normospermic human semen behaves as a weak-gel viscoelastic fluid

Giovanna Tomaiuolo,* Fiammetta Fellico, Valentina Preziosi, Federica Cariati, Ida Strina, Carmela Votino, Fulvio Zullo, Salvatore Longobardi and Stefano Guido

CORRECTIONS

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Correction: Passive particle transport using a transversely propelling polymer "sweeper"

K. R. Prathyusha