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IN THIS ISSUE

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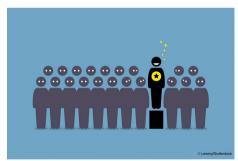


Inside cover See Dongshi Guan et al., pp. 5443–5451. Image reproduced by permission of Dongshi Guan from *Soft Matter*, 2023, **19**, 5443.

EDITORIAL

5429

Outstanding Reviewers for Soft Matter in 2022

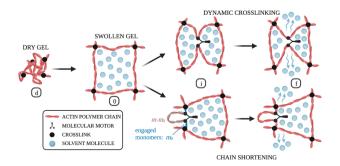


PAPERS

5430

Energetics of cytoskeletal gel contraction

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



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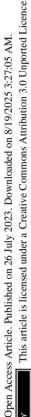
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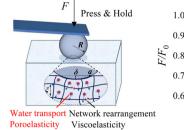


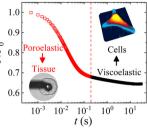


5443

Crossover behavior in stress relaxations of poroelastic and viscoelastic dominant hydrogels

Hangyu Li, Xinyi Lian and Dongshi Guan*

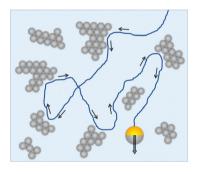




5452

Island hopping of active colloids

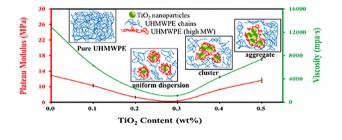
Venkata Manikantha Sai Ganesh Tanuku,* Peter Vogel, Thomas Palberg and Ivo Buttinoni



5459

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

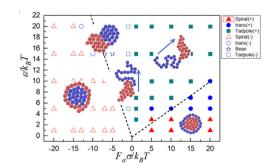
Yang Sui, Yi Cui, Peng Wei, Chuanbo Cong, Xiaoyu Meng, Hai-Mu Ye and Qiong Zhou*



5468

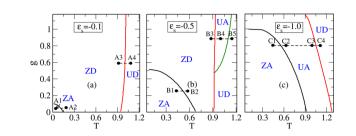
Configuration and dynamics of a self-propelled diblock copolymer chain

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



5477

5487



rol bilayer membranes

Phospholipid-choleste

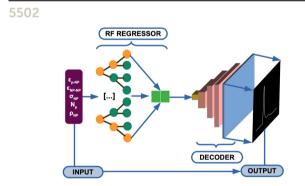
Hydrophobic rod

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*

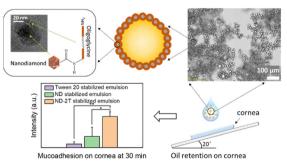


Amphiphilic polymers self-assembly mimics phospholipid-cholesterol bilayer membranes

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

Kumar Ayush, Abhishek Seth and Tarak K Patra*

5513



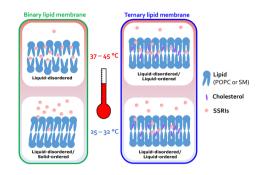
Pickering emulsions stabilised with oligoglycinefunctionalised nanodiamond as a model system for ocular drug delivery applications

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

5527

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

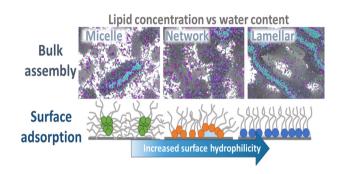
Dat T. N. Ngo, Tho H. Ho, Lam K. Huynh and Trang T. Nguyen*



5538

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*



5551

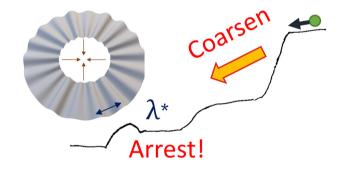
Hysteretic wavelength selection in isometric, unsupported radial wrinkling

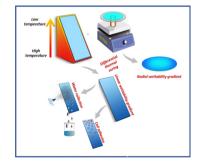
Anshuman S. Pal

5560

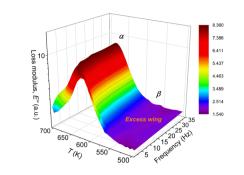
Facile fabrication of stable wettability gradients on elastomeric surfaces for applications in water collection and controlled cell adhesion

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





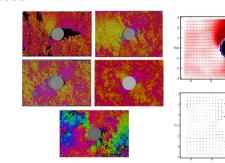




Experimental evidence of β -relaxation and its structural origin in ZIF-62 glass

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

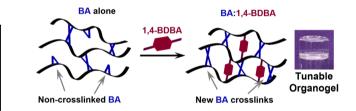
5583



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

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

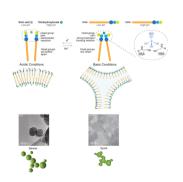
5602



Cooperative crosslinking in polyvinyl alcohol organogels

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

5609



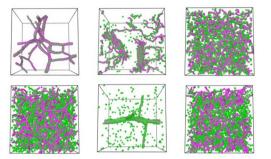
pH- and temperature-responsive supramolecular assemblies with highly adjustable viscoelasticity: a multi-stimuli binary system

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

5622

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

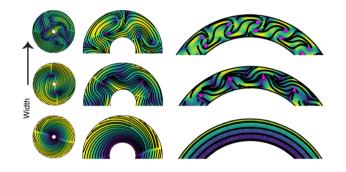
Isha Malhotra and Davit A Potoyan*



5630

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

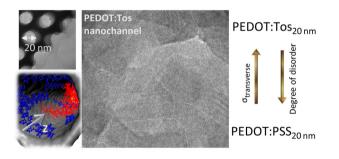
Chaitanya Joshi,* Zahra Zarei, Michael M. Norton, Seth Fraden, Aparna Baskaran* and Michael F. Hagan*



5641

Ordered and disordered microstructures of nanoconfined conducting polymers

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



CORRECTIONS

5651

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

5652

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

K. R. Prathyusha