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ISSN 1744-6848 CODEN SMOABF 19(26) 4811-5030 (2023)



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See Maria L. Ekiel-Jeżewska *et al.*, pp. 4829–4846. Image reproduced by permission of H. J. Shashank, Y. Melikhov and M. L. Ekiel-Jeżewska from *Soft Matter*, 2023, 19, 4829.

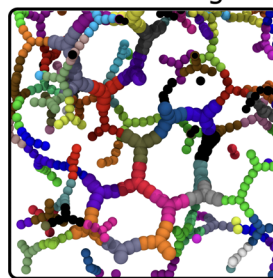
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Nanostars planarity modulates the rheology of DNA hydrogels

Yair Augusto Gutiérrez Fosado

Planar design



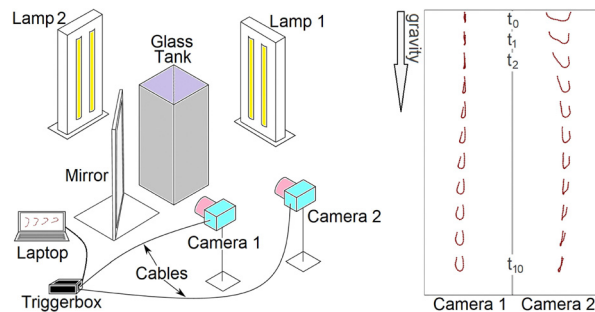
Non-planar design



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Dynamics of ball chains and highly elastic fibres settling under gravity in a viscous fluid

H. J. Shashank, Yevgen Melikhov and Maria L. Ekiel-Jeżewska*



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Soft Matter (electronic: ISSN 1744-6848)

is published 48 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

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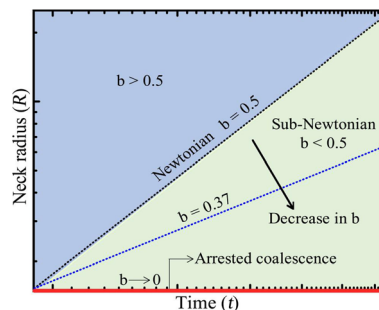
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Sub-Newtonian coalescence in polymeric fluids

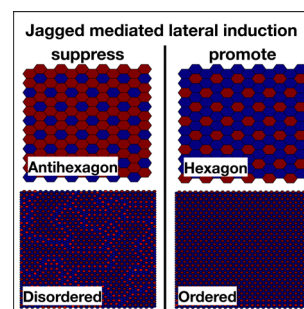
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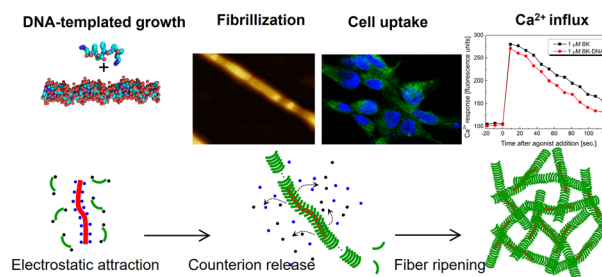
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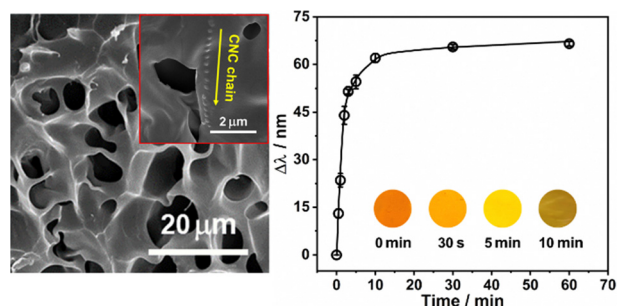
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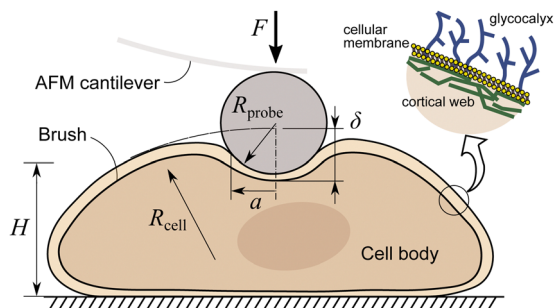
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A K⁺-sensitive photonic crystal hydrogel sensor for efficient visual monitoring of hyperkalemia/hypokalemia

Yan-Lin Wang, Xi Wang, Hai-Rong Yu,* Ting Liang, Xing-Bin Lv and Chang-Jing Cheng*



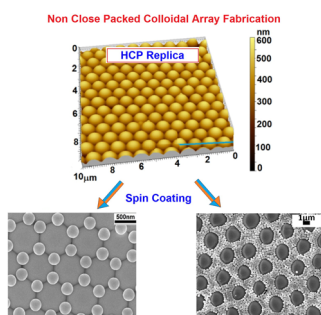
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Ivan Argatov, Xiaoqing Jin* and Gennady Mishuris

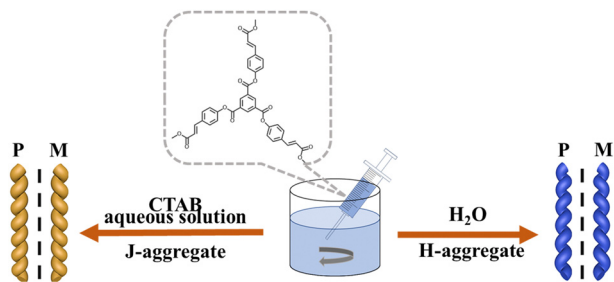
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Ordered non-close packed colloidal array with morphology control

Madhumita Choudhuri, Meneka Banik and Rabibrata Mukherjee*

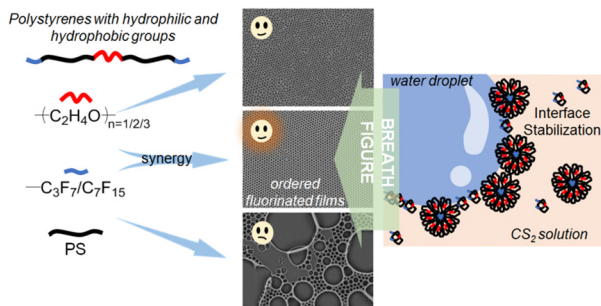
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Tunable molecular packing modes via H- or J-aggregates in the supramolecular helical nanostructures from an achiral C_3 symmetric molecule

Yi Lu, Zhaocun Shen, Changshuo Lian, Jie Wu,* Minghua Liu* and Zongxia Guo*

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Polystyrenes with both hydrophilic and hydrophobic moieties: synthesis and self-assembly behaviors

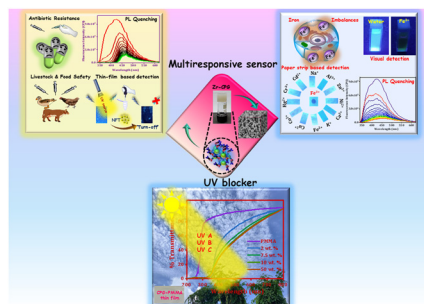
Di Zhou, Ping Fu, Tian Gao, Zhi-Kang Xu and Ling-Shu Wan*



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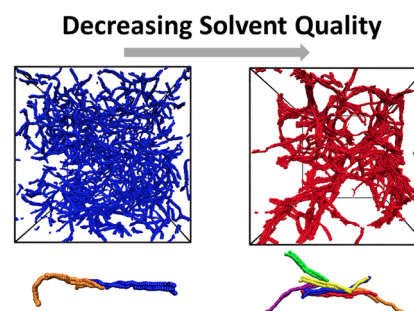
Sumit Mondal and Debajit Sarma*



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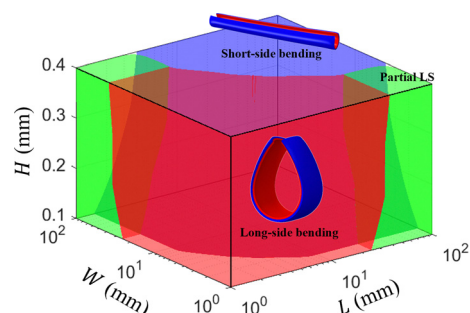
Phillip A. Taylor, Stephen Kronenberger, April M. Kloxin and Arthi Jayaraman*



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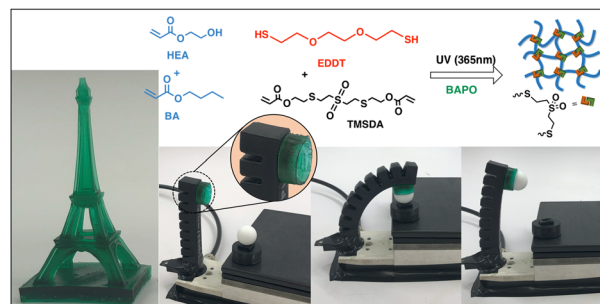
Yin Liu, Xuemei Fu, Ruochen Yang, Jun Liu, Benjamin Chee Keong Tee and Zhuangjian Liu*



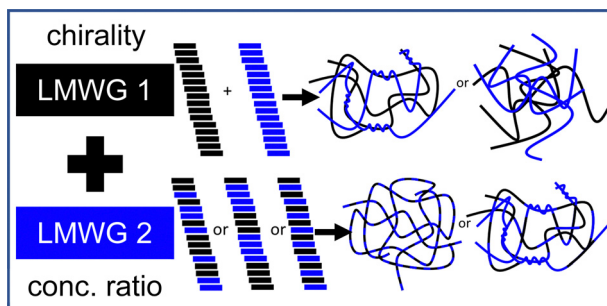
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3D printable adhesive elastomers with dynamic covalent bond rearrangement

Shiwanka V. Wanasinghe, Brent Johnson, Rebekah Revadelo, Grant Eifert, Allyson Cox, Joseph Beckett, Timothy Osborn, Carl Thrasher,* Robert Lowe* and Dominik Konkolewicz*



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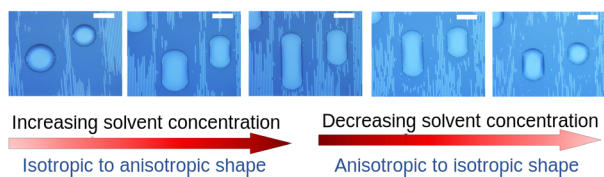


Investigating multigelator systems across multiple length scales

Libby J. Marshall, Simona Bianco, Rebecca E. Ginesi, James Douth, Emily R. Draper and Dave J. Adams*

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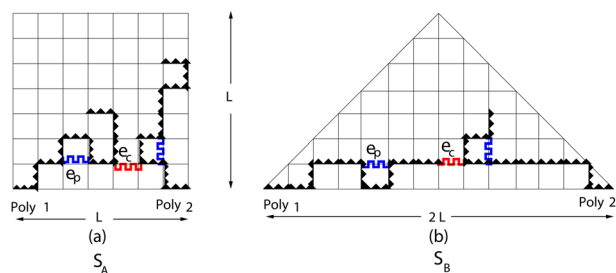
Drop shape transition due to motion of contact line in presence of solvent vapors



Contact line motion in dewetted polymer droplets on anisotropic nanopatterned surfaces

Pichkari Saikiran, D. Purnima and Nandini Bhandaru*

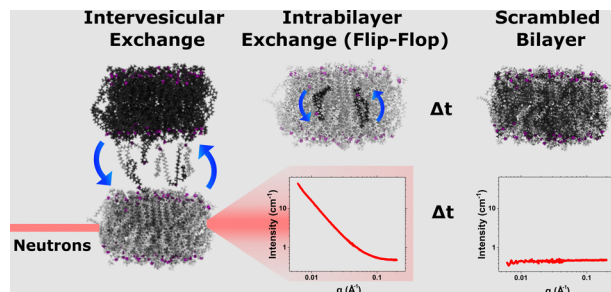
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Solvent effect on equilibrium organization of confined polymers

Dibyajyoti Mohanta

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Michael H.L. Nguyen, Dominik Dziura, Mitchell DiPasquale, Stuart R. Castillo, Elizabeth G. Kelley and Drew Marquardt*



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Geometric confinement guides topological defect pairings and emergent flow in nematic cell populations

Ryo Ienaga, Kazusa Beppu and Yusuke T. Maeda*

