# **Soft Matter**

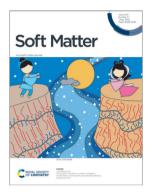
Where physics meets chemistry meets biology for fundamental soft matter research

# rsc.li/soft-matter-journal

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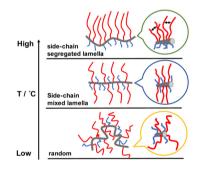
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See Jun Matsui et al.. pp. 3058-3068. Image reproduced by permission of Jun Matsui from Soft Matter. 2023, 19, 3058.

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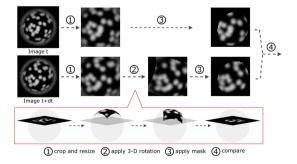
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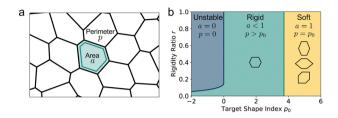
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# The role of non-affine deformations in the elastic behavior of the cellular vertex model

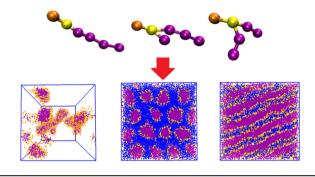
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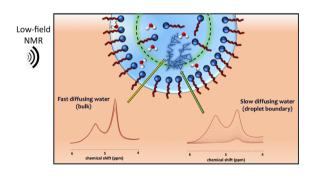
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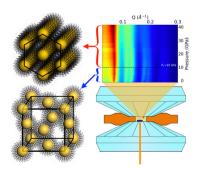
Carmine D'Agostino,\* Valentina Preziosi,\* Giuseppina Caiazza, Maria Vittoria Maiorino, Einar Fridjonsson and Stefano Guido



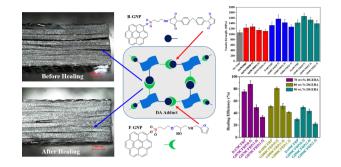
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# High-pressure behavior of hydrophobically coated gold nanoparticle supercrystals: role of the structure

Victor Balédent, Claire Goldmann, Helen Ibrahim and Brigitte Pansu\*



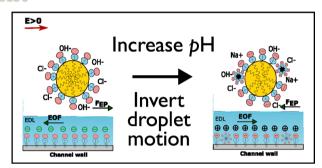
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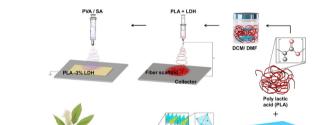
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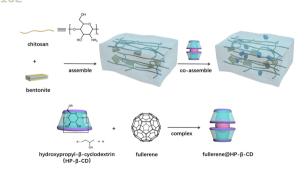


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Sara Shakibania, Mehrdad Khakbiz\* and Payam Zahedi\*

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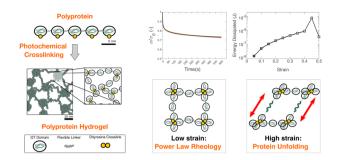
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Hong-Mei Yu, Xiao-Yong Yu, Yong Chen and Yu Liu\*

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Anders Aufderhorst-Roberts, Sophie Cussons, David J. Brockwell and Lorna Dougan\*



# 3179

# Prediction of zwitterion hydration and ion association properties using machine learning

Daniel Christiansen, Gang Cheng and Shafigh Mehraeen\*

#### **Subunit Descriptors**

- Charge
- Size (volume, surface area)
- Hydrogen bonding
- Salt

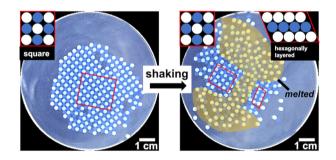


- Hydration shell radius
- Coordination number of water
- Effective residence time of water

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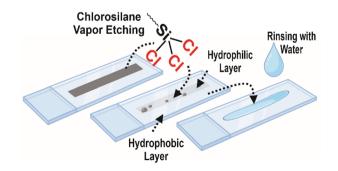
Sarah Battat, David A. Weitz\* and George M. Whitesides\*



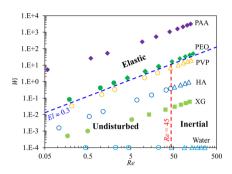
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Kazi Zihan Hossain, Momena Monwar and M. Rashed Khan\*



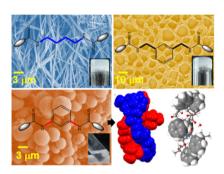
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# An experimental study of the merging flow of polymer solutions in a T-shaped microchannel

Le Song, Mahmud Kamal Raihan, Liandong Yu,\* Sen Wu, Nayoung Kim, Savannah Rose Till, Yongxin Song and Xiangchun Xuan\*

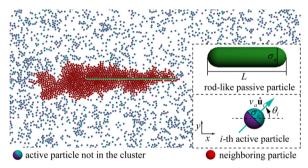
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Olamilekan Joseph Ibukun, Milan Gumtya, Surajit Singh, Ananda Shit and Debasish Haldar\*

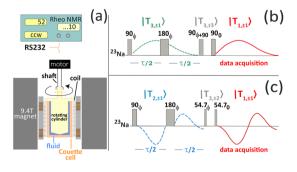
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Ying Lan, Man Xu, Jinjiang Xie, Yuehua Yang and Hongyuan Jiang\*

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Galina E. Pavlovskaya\* and Thomas Meersmann

# CORRECTION

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Nigel Gibbions,\* Nigel Clarke and Didier R. Long