

Soft Matter

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ISSN 1744-6848 CODEN SMOABF 21(45) 8595–8762 (2025)



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See Jarelle A. Joseph et al., pp. 8635–8654.
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Inside cover

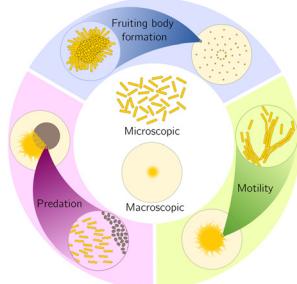
See Yang Liu et al., pp. 8655–8668.
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Myxococcus xanthus for active matter studies: a tutorial for its growth and potential applications

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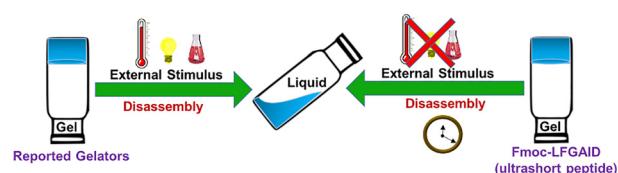


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Self-disassembling supramolecular hydrogel from functionalized ultrashort peptides without external stimuli

Anagha C Unnikrishnan, Harini Parthiban and Ganesh Shanmugam*



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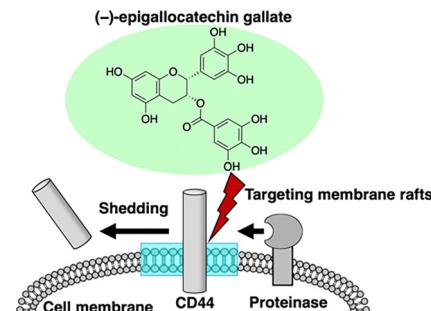


COMMUNICATIONS

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Green tea (–)-epigallocatechin gallate exerts CD44 shedding in tumour cells and modulates membrane domains

Toshiyuki Murai,* Mika Ishihara and Kazuma Yasuhara

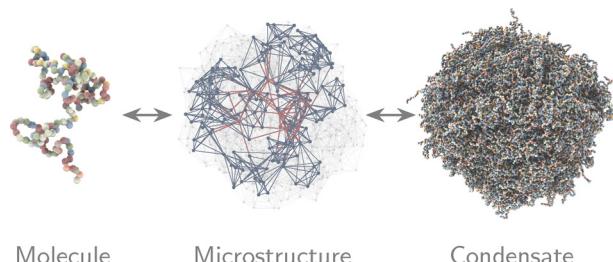


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Biomolecular condensate microstructure is invariant to sequence-encoded molecular and macroscopic properties

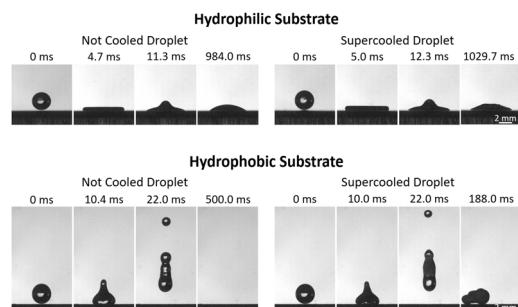
Daniel Tan, Dilimulati Aierken, Pablo L. Garcia and Jerelle A. Joseph*



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Revealing the dynamic and thermal behaviors of supercooled droplet impinging on surfaces with varying wettability

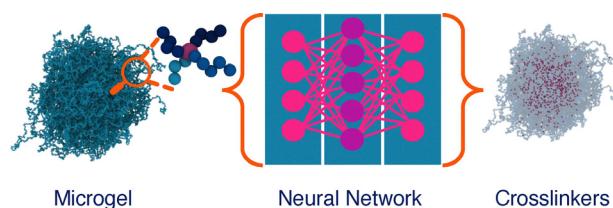
Haipeng Zhang, Jorge Ahumada Lazo, MD Sohaib Bin Sarwar and Yang Liu*



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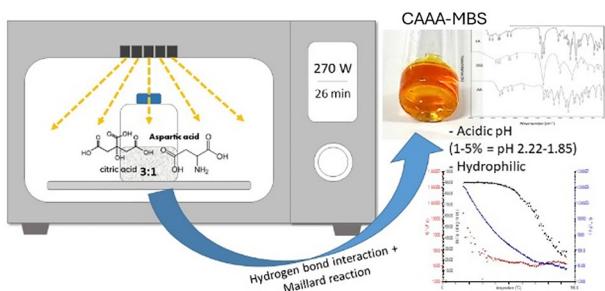
Predicting the structure and swelling of microgels with different crosslinker concentrations by combining machine learning with numerical simulations

Susana Marín-Aguilar* and Emanuela Zaccarelli



PAPERS

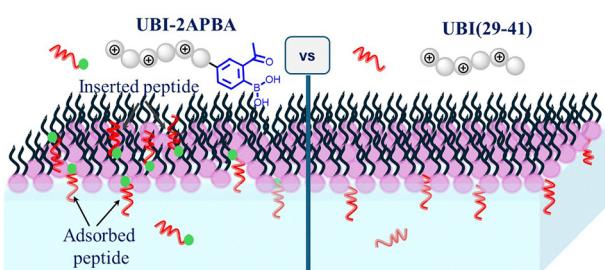
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Microwave-assisted synthesis of a citric acid–aspartic acid Maillard byproduct solvent: characterization, phytotoxicity assessment, and application in polysaccharide extraction

Pei-Gee Yap, Cheng Li, Olusegun Abayomi Olalere and Chee-Yuen Gan*

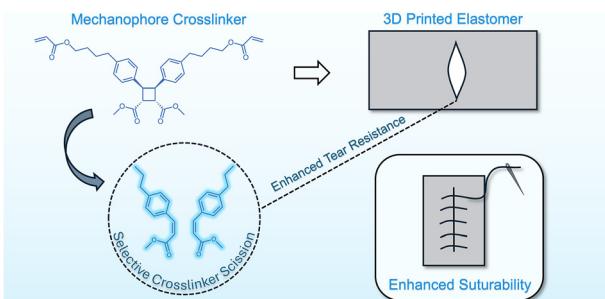
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Superior affinity of ubiquicidin peptide united with *ortho*-borylated acetophenone to an amine-containing model bacterial membrane

Sonam Raghav, Bibekananda Pati, Nancy Jaglan, Archana Mukherjee, Veerendra K. Sharma,* Anupam Bandyopadhyay* and Sajal K. Ghosh*

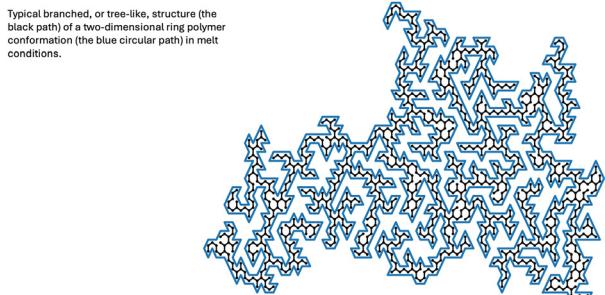
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Toughening 3D printed elastomers using mechanophore crosslinkers

Ana Paula Kitos Vasconcelos, Nicholas J. Van Zee, Allison Rattay, Aileen Y. Sun, Yunxin Yao, S. Cem Millik, Claire J. Ogilvie, Ayokunle Olanrewaju, Stephen L. Craig* and Alshakim Nelson*

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Ring polymers in two-dimensional melts double-fold around randomly branching “primitive shapes”

Mattia A. Ubertini and Angelo Rosa*

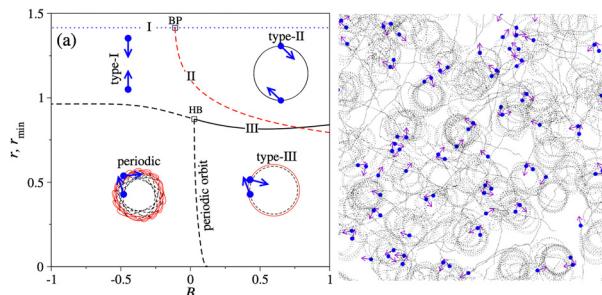


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Structural order and pair formation in a two-dimensional colony of hydrodynamically interacting pushers

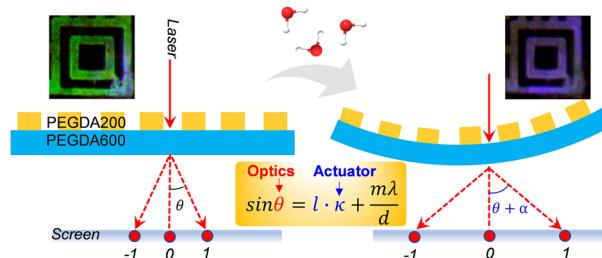
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A soft hydrogel-based bilayer grating for moisture-driven actuation and optical encoding

Chiyu Wang, Chuang Peng, Jeong Jin Kim, Zifan Ye, Manman Zhang, Xueying Zhang, Ying Liu, Xianrui Meng,* Wenkai Zhang* and Gil Ju Lee



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Thermocapillary instability in self-rewetting liquid films flowing down a heated soft vertical fibre

Mohammed Zubair and Rajagopal Vellingiri*

