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See Farhang Radjai *et al.*, pp. 5296–5313. Image reproduced by permission of Farhang Radjai from *Soft Matter*, 2024, 20, 5296.



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See Rui Xiao, Huaping Wu *et al.*, pp. 5314–5323. Image reproduced by permission of Ye Tian from *Soft Matter*, 2024, 20, 5314.

EDITORIAL

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Introduction to Soft Robotics

Anand Kumar Mishra, Zhihong Nie,* Jamie Paik and Robert Shepherd*

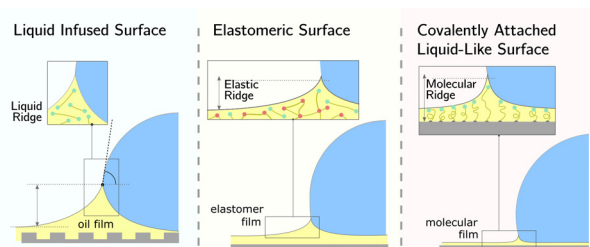


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Wetting on silicone surfaces

Lukas Hauer,* Abhinav Naga, Rodrique G. M. Badr, Jonathan T. Pham, William S. Y. Wong and Doris Vollmer



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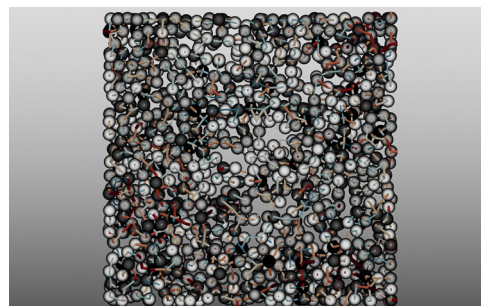
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Dynamic compaction of cohesive granular materials: scaling behavior and bonding structures

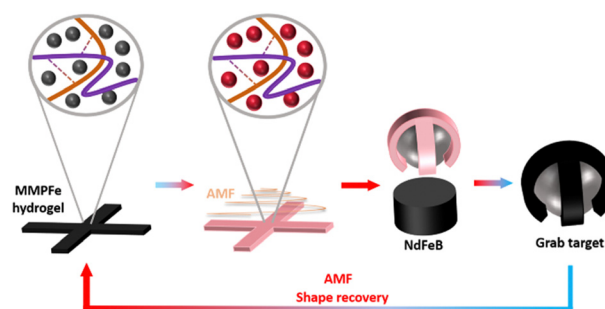
Max Sonzogni, Jean-Mathieu Vanson, Katerina Ioannidou, Yvan Reynier, Sébastien Martinet and Farhang Radjai*



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Magnetic-field induced shape memory hydrogels for deformable actuators

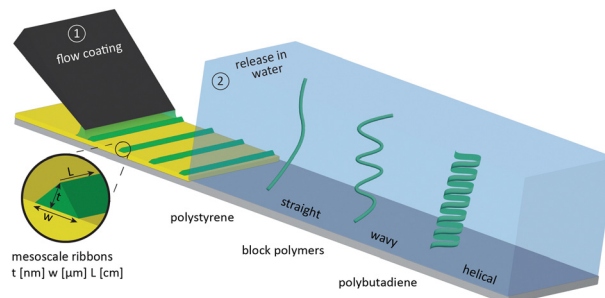
Ye Tian, Zhirui Xu, Hao Qi, Xiaojun Lu, Ting Jiang, Liqian Wang, Guang Zhang, Rui Xiao* and Huaping Wu*



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Fabricating mesoscale polymer ribbons with tunable mechanical properties via evaporative deposition and dewetting

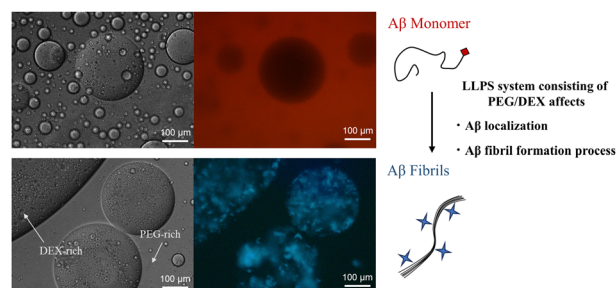
Cornelia Meissner, M. Saad Bhamla, Todd Emrick* and Alfred J. Crosby*



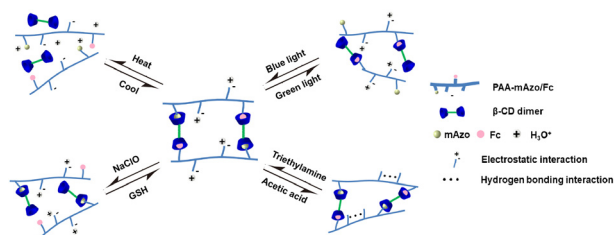
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Liquid–liquid phase separation induced by crowding condition affects amyloid- β aggregation mechanism

Ryuki Kobayashi and Hideki Nabika*



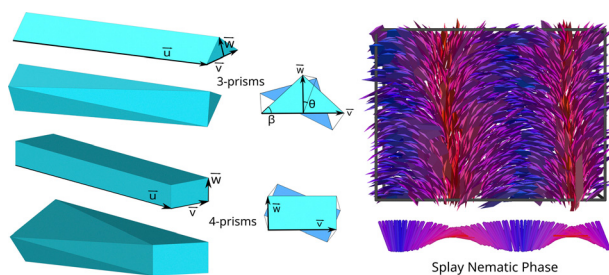
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A quadruple-stimuli responsive supramolecular hydrogel constructed from a poly(acrylic acid) derivative and β -cyclodextrin dimer

Hongchao Yan, Juan Wang, Xichan He, Dongsheng Yu, Yuan Qiu,* Yonggui Liao* and Xiaolin Xie

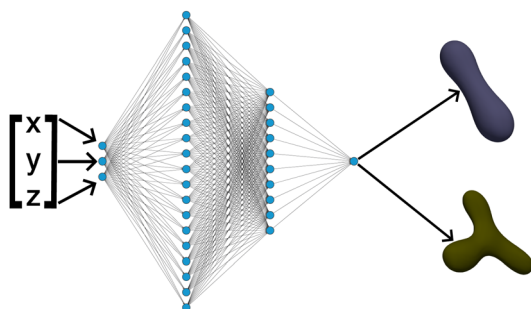
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The effect of particle geometry and initial configuration on the phase behavior of twisted convex n -prisms

Poshika Gandhi* and Anja Kuhnhold

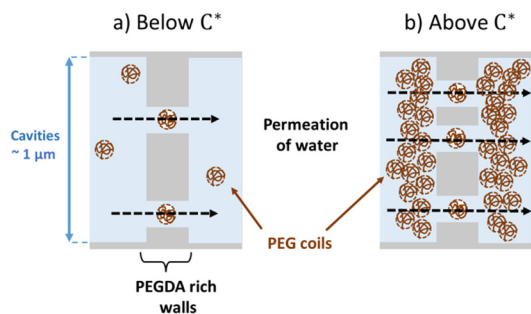
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Yousef Rohanizadegan,* Hong Li and Jeff Z. Y. Chen*

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Tuning the water intrinsic permeability of PEGDA hydrogel membranes by adding free PEG chains of varying molar masses

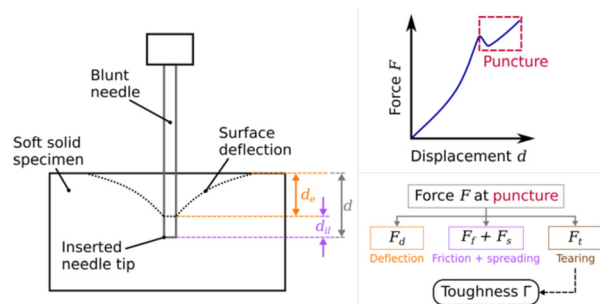
Malak Alaa Eddine, Alain Carvalho, Marc Schmutz, Thomas Salez, Sixtine de Chateauf-Randon, Bruno Bresson, Nadège Pantoustier, Cécile Monteux* and Sabrina Belbekhouche*



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Force decomposition and toughness estimation from puncture experiments in soft solids

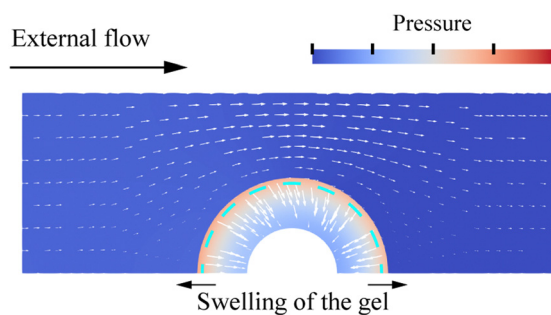
Pranav Shrestha,* Curtis Geffner, Matthew Jaffey, Zhongnan Wu, Martina Iapichino, Mattia Bacca and Boris Stoeber*



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A theory of hydrogel mechanics that couples swelling and external flow

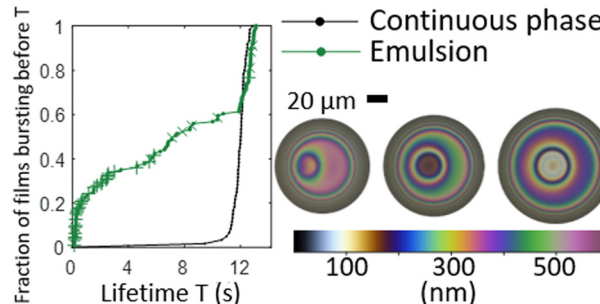
Zelai Xu, Pengtao Yue and James J. Feng*



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How emulsified droplets induce the bursting of suspended films of liquid mixtures

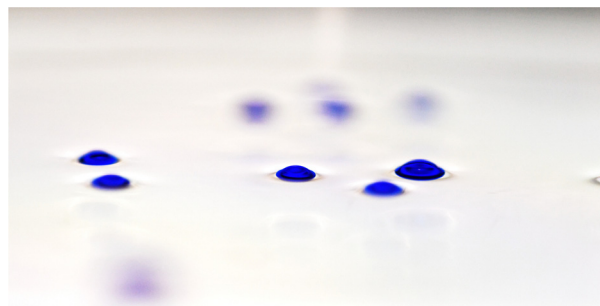
Léa Delance, Enric Santanach-Carreras, Nicolas Passade-Boupat, François Lequeux, Laurence Talini* and Emilie Verneuil



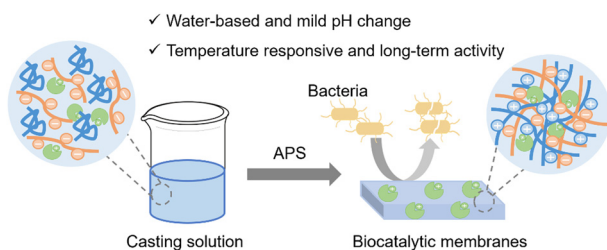
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Electrically mediated self-assembly and manipulation of drops at an interface

Paul R. Kaneelil,* J. Pedro de Souza, Günther Turk, Amir A. Pahlavan and Howard A. Stone*



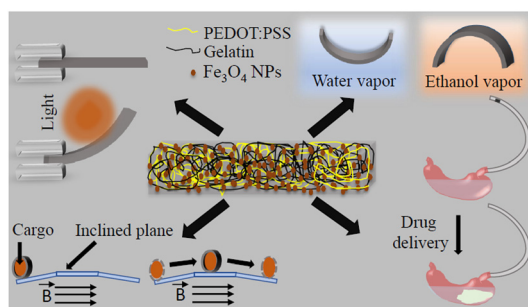
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Biocatalytic PEI–PSS membranes through aqueous phase separation: influence of casting solution pH and operational temperature

Lijie Li, Muhammad Irshad Baig, Wiebe M. de Vos and Saskia Lindhoud*

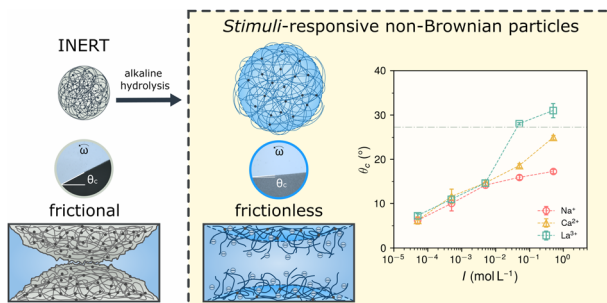
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Responsive soft actuator: harnessing multi-vapor, light, and magnetic field stimuli

Vipin Kumar and Dillip K. Satapathy*

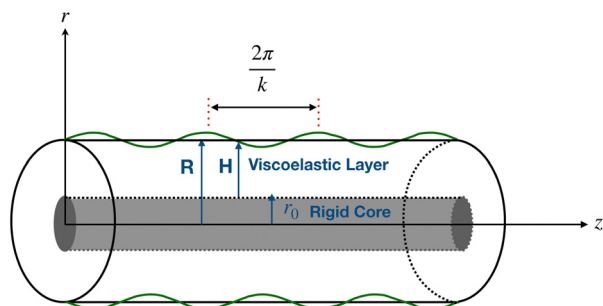
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Granular aqueous suspensions with controlled interparticular friction and adhesion

Lily Blaiset, Bruno Bresson, Ludovic Olanier, Élisabeth Guazzelli,* Matthieu Roché* and Nicolas Sanson*

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Plateau–Rayleigh instability of a soft layer coated on a rigid cylinder

Bharti, Andreas Carlson and Tak Shing Chan*

