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Cover
See Richard B. Dickinson, Tanmay P. Lele *et al.*, pp. 7558–7565.
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Inside cover
See Takeshi Ueki *et al.*, pp. 7566–7572.
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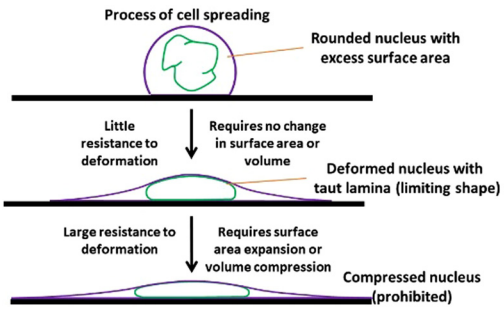
PERSPECTIVE

7558

Rethinking nuclear shaping: insights from the nuclear drop model

Richard B. Dickinson,* Samere Abolghasemzade and Tanmay P. Lele*

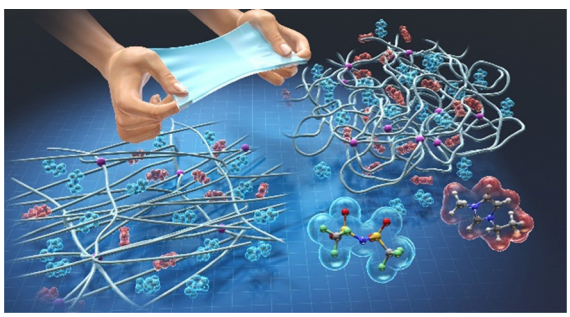


COMMUNICATIONS

7566

Straightforward preparation of a tough and stretchable ion gel

Aya Saruwatari, Yuji Kamiyama, Akifumi Kawamura, Takashi Miyata, Ryota Tamate and Takeshi Ueki*



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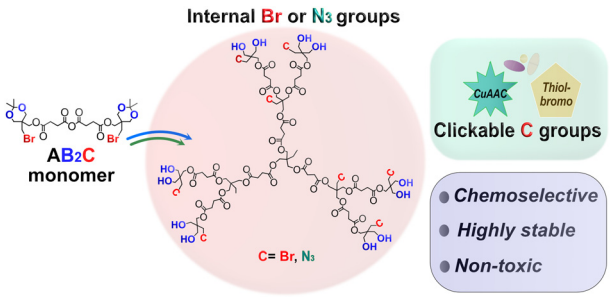
COMMUNICATIONS

7573

Synthesis, evaluation and modification of heterofunctional polyester dendrimers with internally queued bromide groups

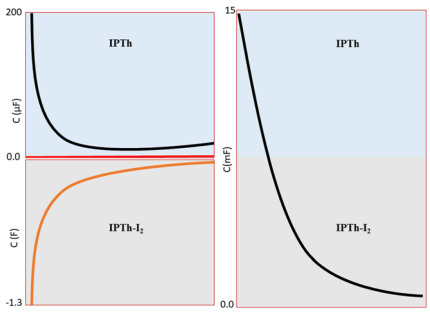
Arunika Singh, Daniel J. Hutchinson, Maria Isabel Montañez, Natalia Sanz del Olmo* and Michael Malkoch*



7578

Negative capacitance based on isomeric polythiophene in action

Devendra Kumar, Rudramani Tiwari, Dipendra Kumar Verma, Shashikant Yadav, Km. Parwati, Rajshree Rai, Pubali Adhikary and S. Krishnamoorthi*

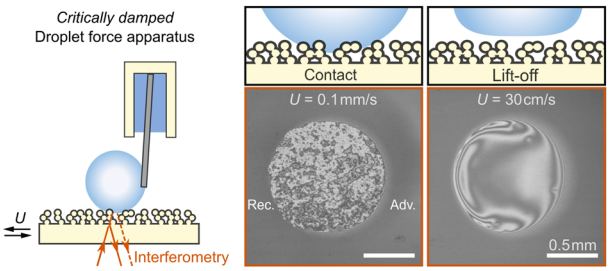


PAPERS

7583

Probing the physical origins of droplet friction using a critically damped cantilever

Sankara Arunachalam, Marcus Lin and Dan Daniel*



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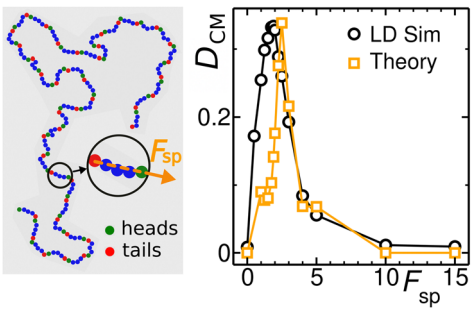
Structural dynamics and optimal transport of an active polymer

Hamidreza Khalilian,* Fernando Peruani and Jalal Sarabadani*



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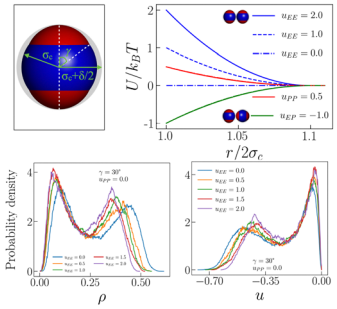

Features of heterogeneously charged systems at their liquid–liquid critical point

Daniele Notarmuzi* and Emanuela Bianchi*

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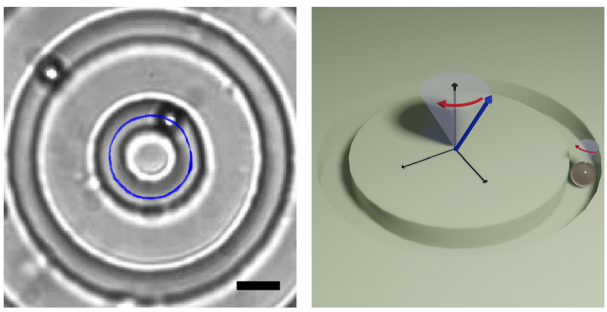

Curvature induces and enhances transport of spinning colloids through narrow channels

Eric Cereceda-López, Marco De Corato, Ignacio Pagonabarraga, Fanlong Meng, Pietro Tierno* and Antonio Ortiz-Ambriz*

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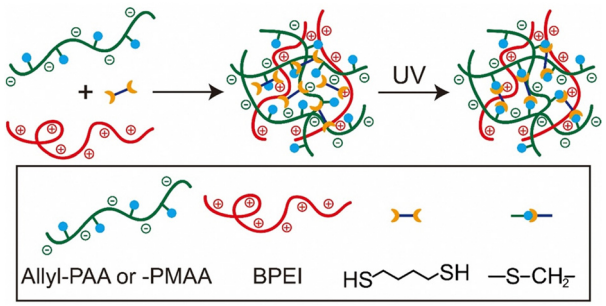

Covalently crosslinked coacervates: immobilization and stabilization of proteins with enhanced enzymatic activity

Mengmeng Zhao, Szu-Hao Cho, Xinchi Wu, Jingyi Mao, Bryan D. Vogt* and Nicole S. Zacharia*

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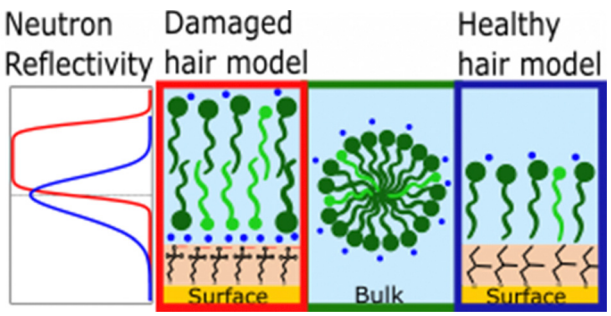

Mimicking the hair surface for neutron reflectometry

Serena Cozzolino, Philipp Gutfreund, Alexei Vorobiev, Anton Devishvili, Andrew Greaves, Andrew Nelson, Nageshwar Yepuri, Gustavo S. Luengo* and Mark W. Rutland*

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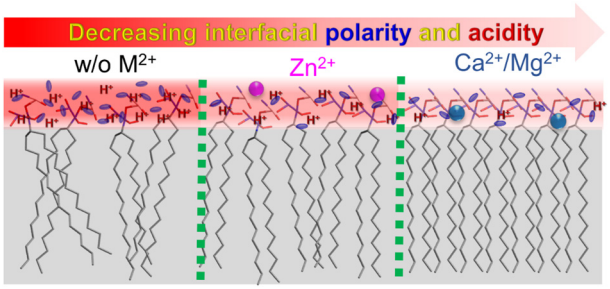
Determination of divalent metal ion-regulated proton concentration and polarity at the interface of anionic phospholipid membranes

Pratima Mandal, Snigdha Roy, Manisha Karmakar, Sushil Ranjan Bhatta, Chandi Charan Ghosh, Arunabha Thakur and Partha Pratim Parui*



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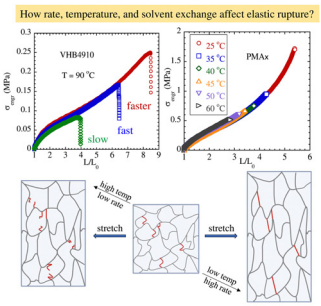
How do stretch rate, temperature, and solvent exchange affect elastic network rupture?

Asal Y Siavoshani, Zehao Fan, Muxuan Yang, Shan Liu, Ming-Chi Wang, Jiabin Liu, Weinan Xu, Junpeng Wang, Shaoting Lin and Shi-Qing Wang*



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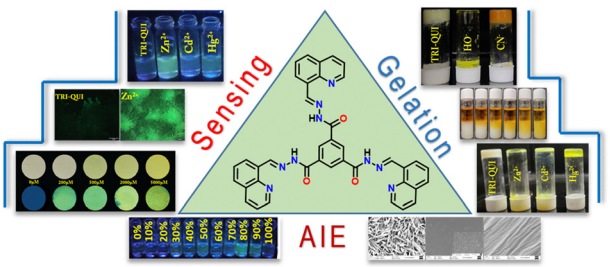
Exploring the gelation and AIE properties of a tripodal acylhydrazone-based probe: turn-on Zn(II) sensing in HEPES buffer

Rubi Moral and Gopal Das*



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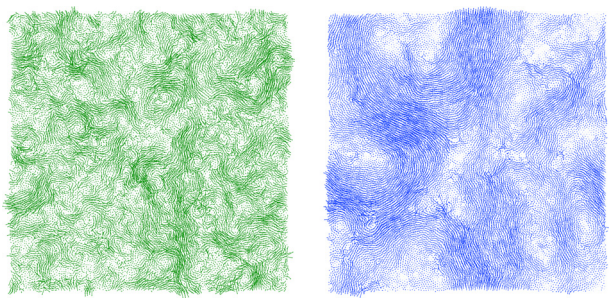
Structural fluctuations in active glasses

Masaki Yoshida,* Hideyuki Mizuno and Atsushi Ikeda



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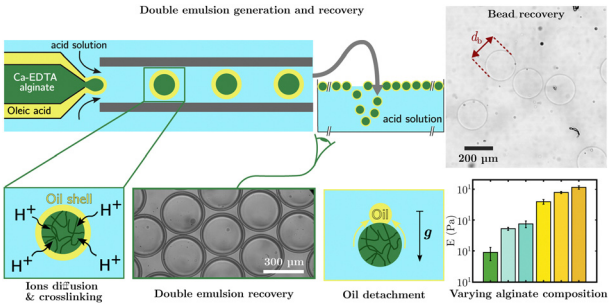

Controlling the size and elastic modulus of in-aqueous alginate micro-beads

Jean Cappello,* Jonas Miguet, Adrien Dewandre, Lucie Ergot, Sylvain Gabriele, Jean Septavaux and Benoit Scheid

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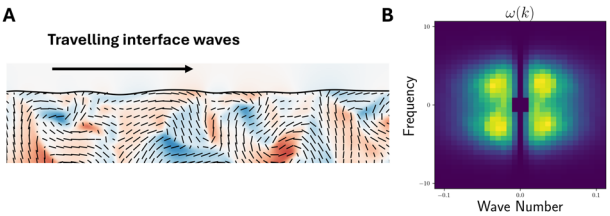

Traveling waves at the surface of active liquid crystals

Paarth Gulati,* Fernando Caballero, Itamar Kolvin, Zhihong You and M. Cristina Marchetti

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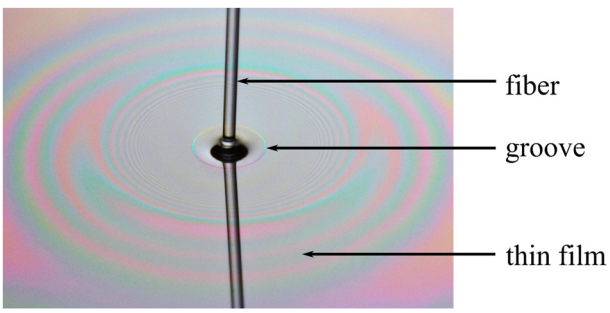

Hydrodynamic thinning of a coating film induced by a small solid defect: evidence of a time–minimum thickness

Alice Etienne-Simonetti, Frédéric Restagno, Isabelle Cantat and Emmanuelle Rio

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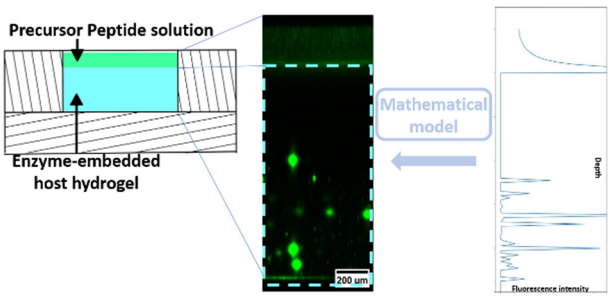

Model to rationalize and predict the formation of organic patterns originating from an enzyme-assisted self-assembly Liesegang-like process of peptides in a host hydrogel

Jean-Yves Runser, Shahaji H. More, Fatima Fneich, Timothée Boutfol, Pierre Weiss, Marc Schmutz, Bernard Senger, Loïc Jierry* and Pierre Schaaf*

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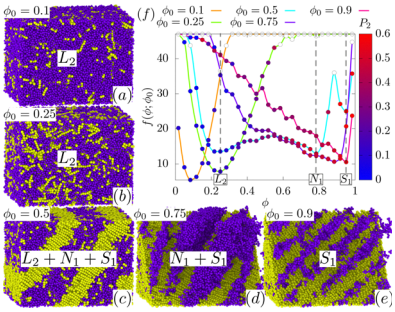
Phase behavior of polymer dispersed liquid crystals, comparison between mean-field theory, and coarse-grained molecular dynamics simulations

William S. Fall, Hima Bindu Kolli, Biswaroop Mukherjee and Buddhapriya Chakrabarti*



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