

# Soft Matter

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### Cover

See Xin Yong *et al.*, pp. 4548–4560. Image reproduced by permission of Xin Yong from *Soft Matter*, 2024, 20, 4548. Image credit: Wenrong He.



### Inside cover

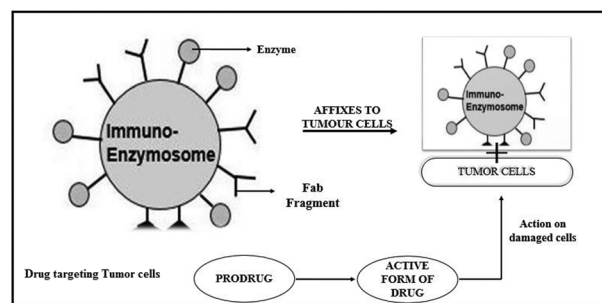
See Lorenzo Bonetti *et al.*, pp. 4544–4547. Image reproduced by permission of Lorenzo Bonetti from *Soft Matter*, 2024, 20, 4544.

## REVIEW

4524

### Review on novel targeted enzyme drug delivery systems: enzymosomes

Dinesh Kumar, Komal Sachdeva, Rajni Tanwar and Sunita Devi\*

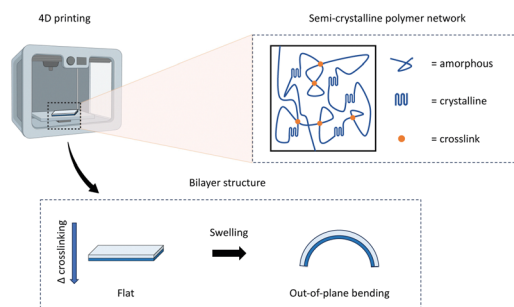


## COMMUNICATION

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### Solvent-triggered shape change in gradient-based 4D printed bilayers: case study on semi-crystalline polymer networks

Lorenzo Bonetti,\* Aron Cobiainchi, Daniele Natali, Stefano Pandini, Massimo Messori, Maurizio Toselli and Giulia Scalet



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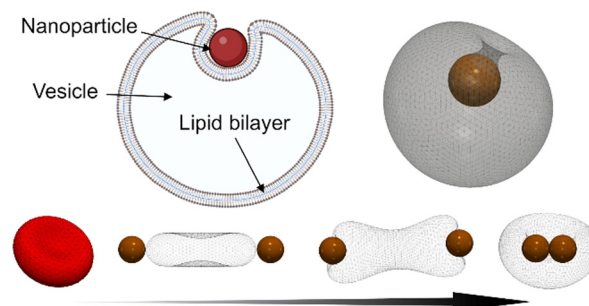


## PAPERS

4548

# Probing wrapping dynamics of spherical nanoparticles by 3D vesicles using force-based simulations

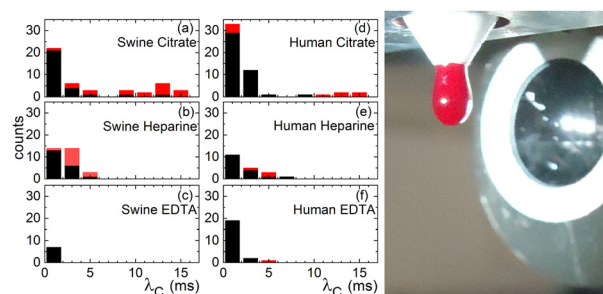
Didarul Ahasan Redwan, Ke Du and Xin Yong\*



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# Impact of anti-coagulant choice on blood elongational behavior

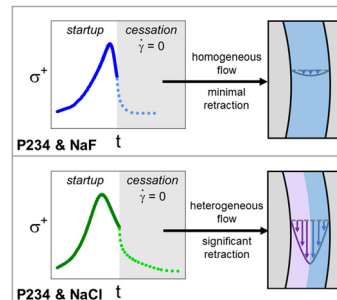
Jorge Eduardo Fiscina,\* Alexis Darras, Daniel Attinger and Christian Wagner



4567

# Heterogeneity-induced retraction in viscoelastic fluids following cessation of flow

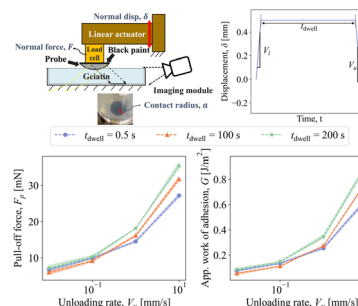
Patrick J. McCauley, Satish Kumar\* and Michelle A. Calabrese\*



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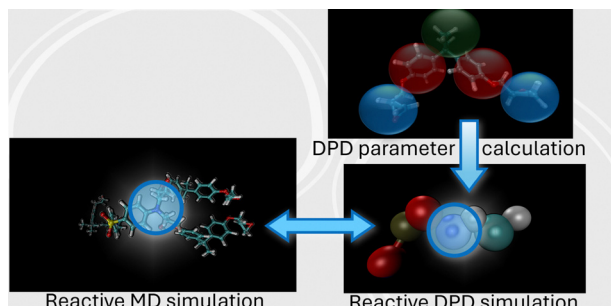
# Poroviscoelastic relaxations and rate-dependent adhesion in gelatin

Wonhyeok Lee and Melih Eriten\*



## PAPERS

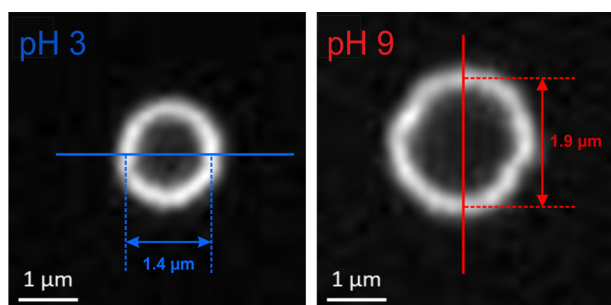
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### Determination of interaction parameters in a bottom-up approach employed in reactive dissipative particle dynamics simulations for thermosetting polymers

Kaiwen Li, Gota Kikugawa,\* Yoshiaki Kawagoe, Yinbo Zhao and Tomonaga Okabe

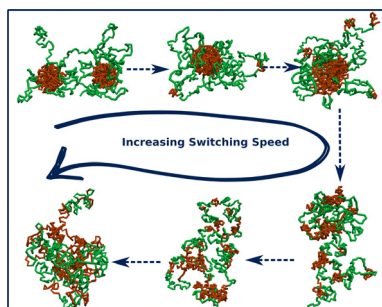
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### Charged hollow microgel capsules

Nabanita Hazra, Janik Lammertz, Andrey Babenyshev, Rebecca Erkes, Fabian Hagemans, Chandeshwar Misra, Walter Richtering and Jérôme J. Crassous\*

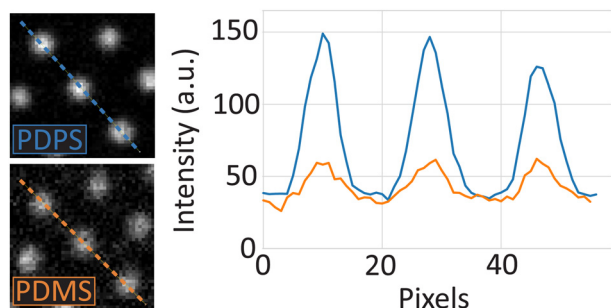
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### Nonequilibrium switching of segmental states can influence compaction of chromatin

Soudamini Sahoo, Sangram Kadam, Ranjith Padinhateeri\* and P. B. Sunil Kumar\*

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### Ultrasoft silicone gels with tunable refractive index for traction force microscopy

J. Zsolt Terdik,\* David A. Weitz and Frans Spaepen

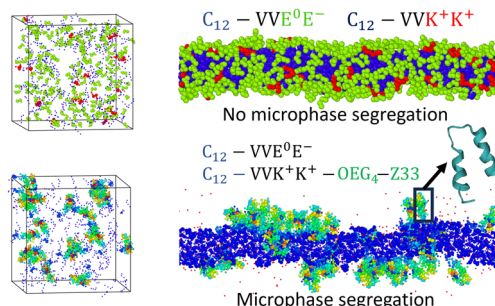


## PAPERS

4640

# Microscopically segregated ligand distribution in co-assembled peptide-amphiphile nanofibers

Turash Haque Pial, Yang Li and Monica Olvera de la Cruz\*



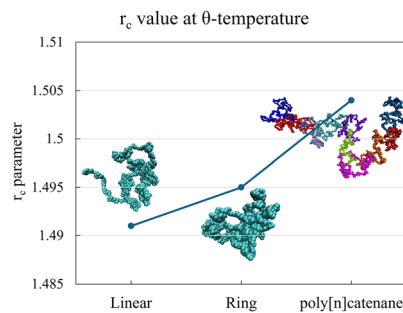
## COMMENTS

4648

## Comment on "Effects of topological constraints on linked ring polymers in solvents of varying quality"

by Z. A. Dehaghani, I. Chubak, C. N. Likos and M. R. Ejtehadi, *Soft Matter*, 2020, 16, 3029

Hao Guo and Mesfin Tsige\*



4651

## Reply to the 'Comment on "Effects of topological constraints on linked ring polymers in solvents of varying quality"' by M. Tsige and H. Guo, *Soft Matter*, 2024, 20, DOI: 10.1039/D3SM01614E

Zahra Ahmadian Dehaghani, Iurii Chubak, Christos N. Likos\* and Mohammad Reza Ejtehadi

