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**Cover**
See Piero Baglioni *et al.*, pp. 4165–4176.
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**Inside cover**
See Emiko Mouri *et al.*, pp. 4146–4149.
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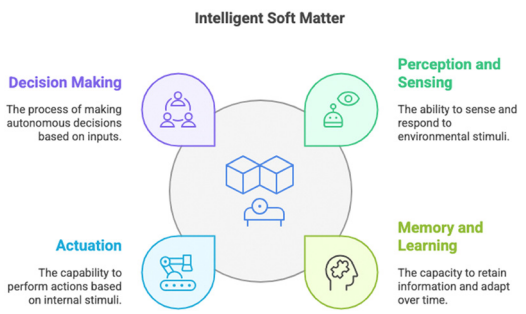
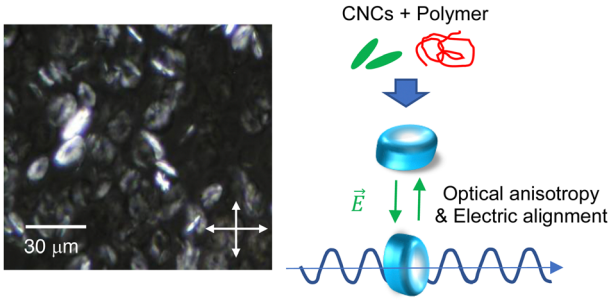
## PERSPECTIVE






## COMMUNICATIONS





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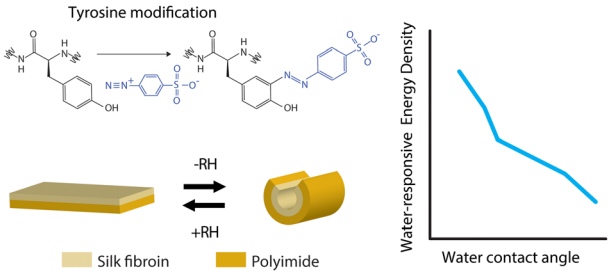




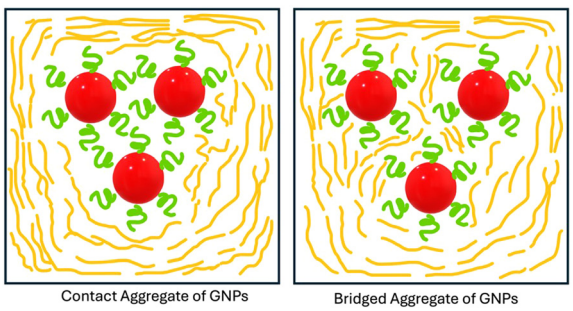


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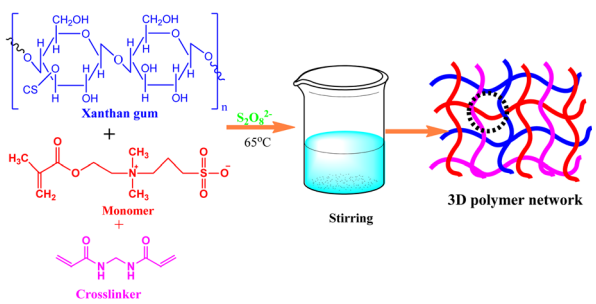

## PAPERS

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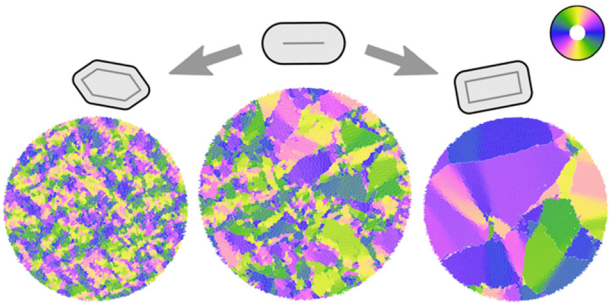



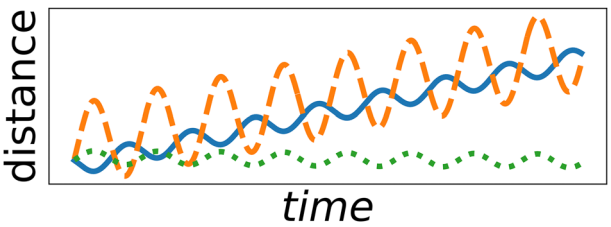




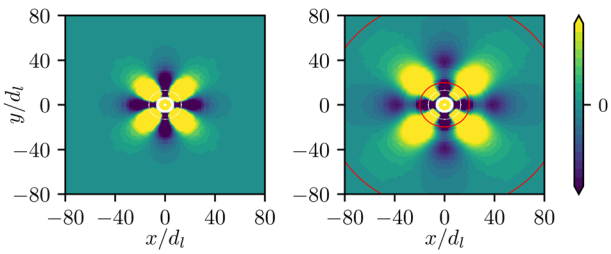




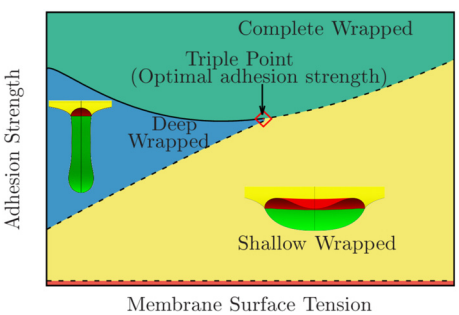

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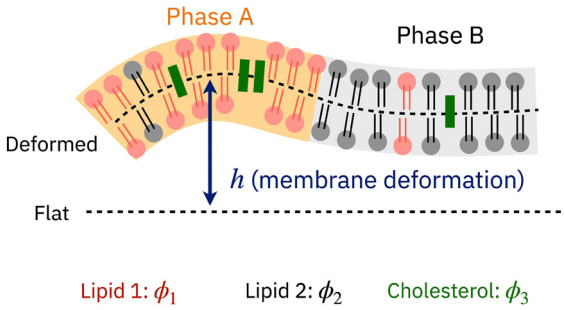
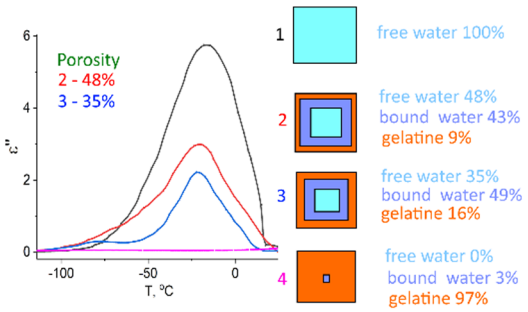



**Pattern formation of lipid domains in bilayer membranes**

Qiwei Yu and Andrej Košmrlj*






**Determining hydrogel porosity through dielectric relaxation intensity ratios between water and hydrogel**

Maksym M. Lazarenko,* Yuriy F. Zabashta, Dmytro. K. Honcharuk, Oleksandr M. Alekseev, Kateryna S. Yablochkova, Liena Yu. Vergun, Dmytro A. Andrusenko, Mykhaylo V. Lazarenko and Leonid A. Bulavin

## EXPRESSION OF CONCERN



**Expression of concern: Substrate induced differentiation of human mesenchymal stem cells on hydrogels with modified surface chemistry and controlled modulus**

Mathieu Lanniel, Ejaz Huq, Stephanie Allen, Lee Buttery, Philip M. Williams and Morgan R. Alexander*