

RSC Applied Interfaces

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**Interfacial and surface research
with an applied focus**

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**Fundamental questions
Elemental answers**

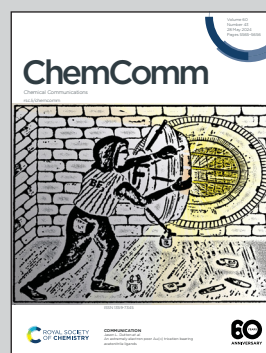


**Showcasing research from Professor Karim Fahmy's
Biophysics Department at Helmholtz-Zentrum
Dresden-Rossendorf, Institute for Resource Ecology
and Technische Universität Dresden, Germany**

Cold denaturation of DNA origami nanostructures

Cold denaturation signifies the loss of native protein structure upon cooling under mildly denaturing conditions. This is shown to be also true for DNA origami. However, these larger structures amplify cold-induced strain into observable nanoscopic damage at predisposed sites.

As featured in:



See Adrian Keller, Karim Fahmy *et al.*,
Chem. Commun., 2024, **60**, 5590.