

# RSC Sustainability

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Fundamental questions  
Elemental answers



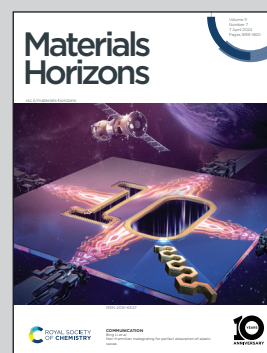


Showcasing research from Professor Lu Xu's laboratory, State Key Laboratory of Solid Lubrication, Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, Lanzhou, China.

A dual-responsive microemulsion with macroscale superlubricity and largely switchable friction

A dual-responsive microemulsion capable of providing macroscale superlubrication in a broad temperature range and switching its coefficient of frictions by ~25-fold is reported. It also shows good anti-freezing performance.

### As featured in:



See Jingcheng Hao, Lu Xu *et al.*, *Mater. Horiz.*, 2024, 11, 1668.