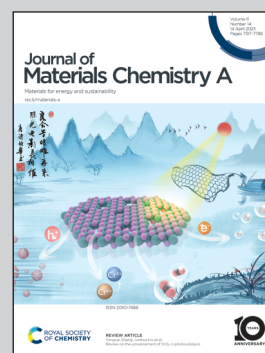


Showcasing research from the Advanced Information Materials (AIM) Group of Professor Yao Wang and Hao Li, South China Normal University, Guangzhou, P. R. China.

Thermo-regulating mesoporous semi-rigid metal-organic-polymer frameworks for controllable adsorption and confinement

We first employed poly(acrylamide-co-acrylonitrile) with upper critical solution temperature to construct a semi-rigid metal-organic-polymer framework. Under thermal induction, those polymeric linkers underwent interchain transition of hydrogen bonds, and enabled this mesoporous framework to be “living” with a thermo-regulatable confinement effect.

As featured in:



See Yao Wang, Hao Li *et al.*,  
*J. Mater. Chem. A*, 2023, **11**, 7432.