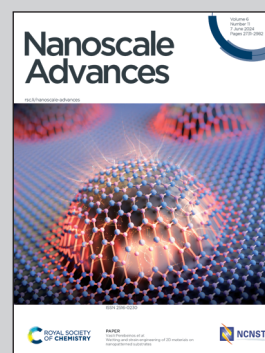


Showcasing research coordinated by Dr. Forti, Center for Nanotechnology Innovation, Istituto Italiano di Tecnologia, Pisa, Italy.

Determination and investigation of defect domains in multi-shape monolayer tungsten disulfide

Monolayer WS_2 can be synthesized in different shapes, depending on the growth conditions. The resulting shapes display a heterogeneity of defects distribution and concentration, thereby influencing the electronic and optical properties of each domain within the single crystal. Controlling the defects allows for lateral dielectric environment engineering.

As featured in:



See S. Forti *et al.*, *Nanoscale Adv.*, 2024, **6**, 2850.