



Showcasing research from Dr Ewels's group, at the Jean-Rouxel Institute of Materials, CNRS / Nantes Université, Nantes, France, and Dr Brunet from the University of Poitiers, France.

CO adsorption on pure, defective and mixed composition AlF_3 and MgF_2 surfaces

Impellizzeri *et al* identify the stable crystallographic facets of MgF_2 and AlF_3 using a combination of experimental infra-red spectroscopy (FTIR) and density functional (DFT) calculations. The results suggest the existence of a new mixed Al:Mg monolayer surface phase on AlF_3 which is highly catalytically active.

As featured in:



See S. Brunet, C. P. Ewels *et al.*, *Catal. Sci. Technol.*, 2024, **14**, 3021.