



Showcasing research from the group of Carmine D'Agostino, University of Manchester, UK.

Investigating the behaviour of NaCl brines and hydrocarbons in porous alumina using low-field NMR relaxation and diffusion methods

The main focus in our research group is the utilization of low-field nuclear magnetic resonance (NMR) to study the behaviour of fluids in porous materials. In this particular study, we use proton NMR relaxation and diffusion experiments to monitor two different fluid phases during a spontaneous displacement process in order to assess the effect of NaCl concentration on the wettability of alumina towards brine solutions.

As featured in:



See Carmine D'Agostino *et al.*,
Phys. Chem. Chem. Phys.,
2024, **26**, 13012.