

Dr Dan Yang

Lecturer, Chemical Engineering

School of Engineering, The University of Western Australia (UWA)

Perth, Australia

Profile

Dr Dan Yang is a materials scientist and chemical engineer specialising in liquid-metal-enabled catalysis, electrochemical systems, and sustainable energy technologies. Her research focuses on developing dynamic catalytic interfaces using gallium-based liquid metals for applications in carbon conversion, hydrogen production, and critical mineral recovery. She integrates experimental electrochemistry, reactor design, and multi-physics modelling to bridge fundamental science with scalable industrial processes.