



Showcasing research from Professor Coville's laboratory,
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The effect of separation distance on hydrogen spillover in Os promoted Co@HCS catalysts

The distance over which hydrogen can travel in a spillover effect on a hollow sphere (HCS) carbon support has been evaluated using temperature reduction profiles. In this study, Os/(Co@HCSx) and Co@HCSx (x = HCS shell thickness; 16 nm, 28 nm, 51 nm) catalysts were studied and hydrogen spillover for the reduction of the Co by the Os was found to vary with HCS thickness and Co oxidation state.

As featured in:



See Neil John Coville *et al.*,
Catal. Sci. Technol., 2025, **15**, 334.