NANO MICRO
small

Nanoscale Heaters

The facile and rapid synthesis of tiny Pd@Co core-shell nanoparticles (NPs, ~2.5 nm) stabilized by a metal-organic framework (MOF) based on a double-solvent approach (DSA) under mild conditions is established on page 71. The resultant MOF-confined Pd@Co NPs exhibit synergistically enhanced and superior catalytic performance in the hydrolytic dehydrogenation of ammonia borane, compared to their monometallic and alloy counterparts as well as Pd@Co NPs located on the MOF surface.

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Tiny Pd@Co Core–Shell Nanoparticles Confined inside a Metal–Organic Framework for Highly Efficient Catalysis
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