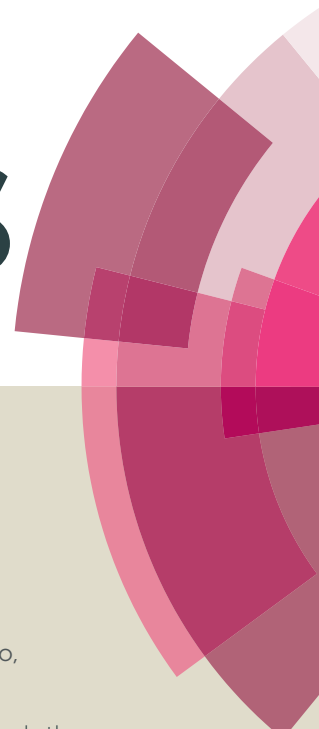


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Graphical abstract

Highly dispersed Pd nanoparticles supported on amine-functionalized magnetic mesoporous silica nanotubes have been successfully prepared and tested in the aqueous phase catalytic hydrodechlorination of chlorophenols. The catalyst shows 100% conversion with 99% selectivity for cyclohexanone under mild conditions in aqueous solution.

