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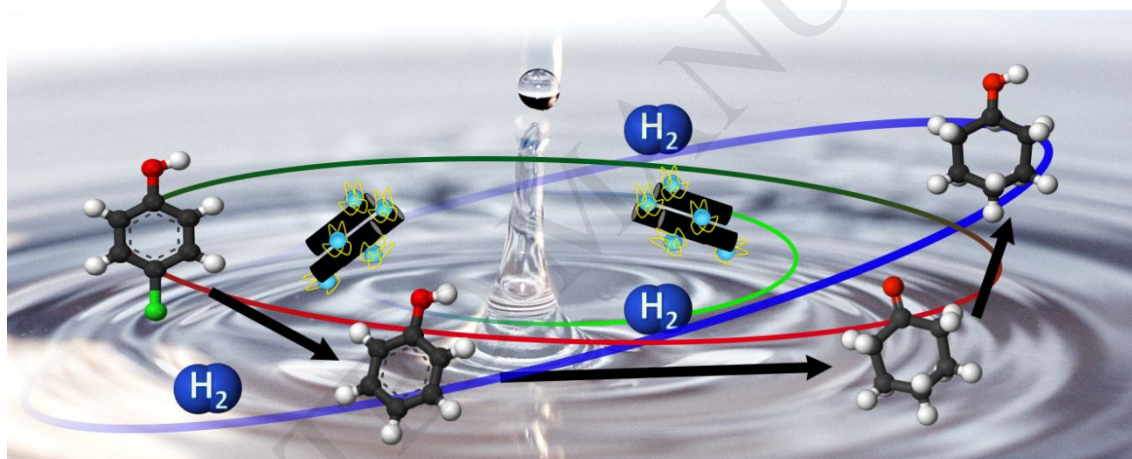
Platinum and N-doped carbon nanostructures as catalysts in hydrodechlorination reactions

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Graphical abstract



HIGHLIGHTS

- Novel catalysts based on Pt nanoparticles and N-doped nanostructured carbons
- High activity in hydrodechlorination and hydrogenation
- Total conversion of 4-chlorophenol to cyclohexanol provides maximum detoxification
- Structure of Pt nanoparticles and activity depends on interaction with carbon

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