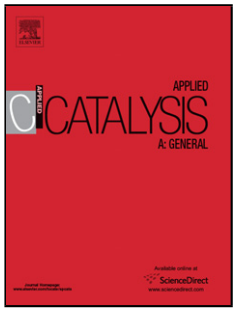

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Graphical abstract

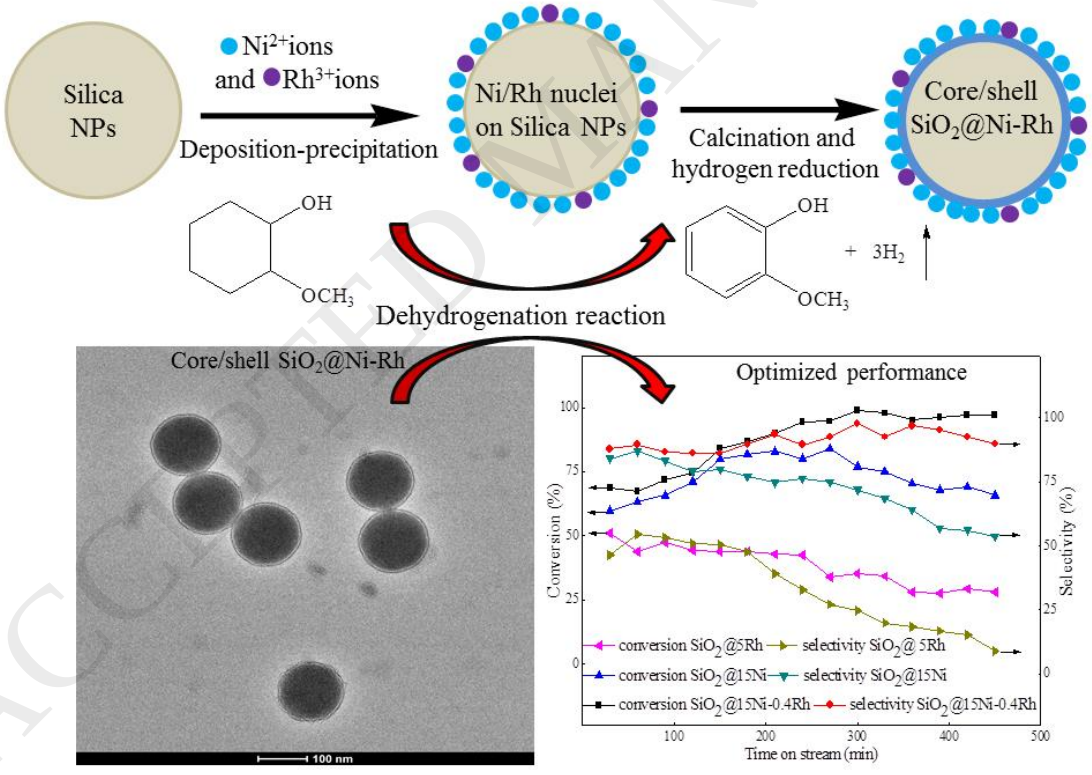

Fig.1. Schematic illustration of the formation of core/shell SiO_2@Ni-Rh nanoparticles and their catalytic activity.