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Title: Carbon-encapsulated nickel-cobalt alloys nanoparticles fabricated via new post-treatment strategy for hydrogen evolution in alkaline media

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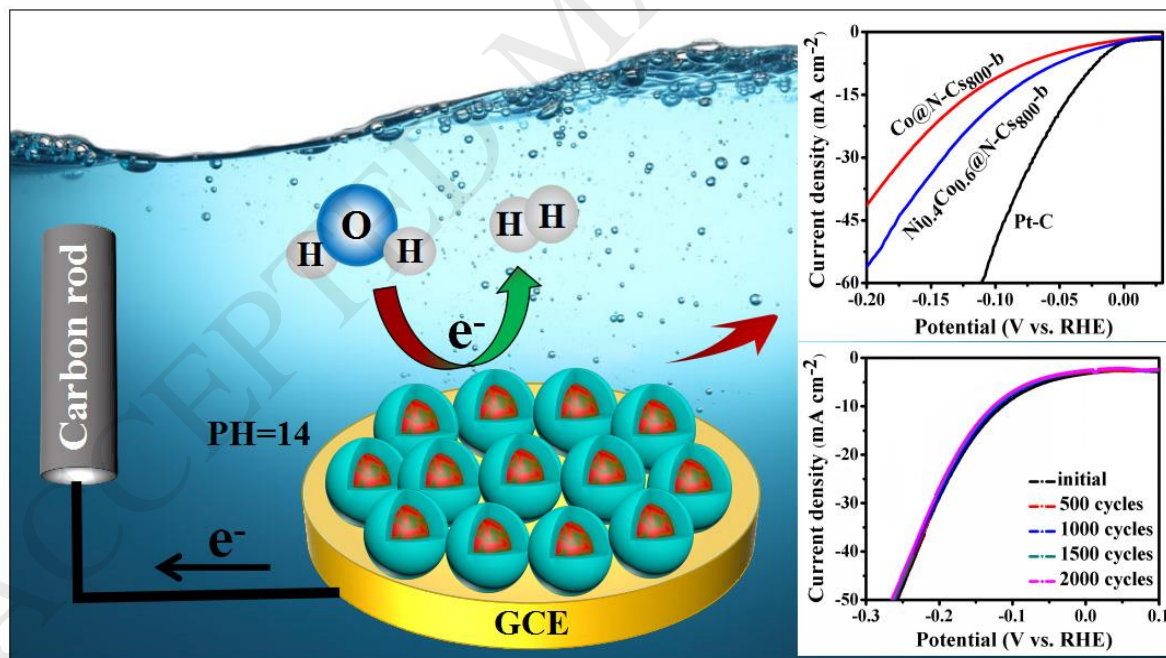
Carbon-encapsulated nickel-cobalt alloys nanoparticles fabricated via new post-treatment strategy for hydrogen evolution in alkaline media

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Graphical abstract:



Carbon encapsulated Co and Ni particles ($\text{Ni}_x\text{Co}_{1-x}@N\text{-Cs}_{800}\text{-b}$, $x=0\text{-}0.5$) were prepared by directly carbonizing of $\text{Ni}_x\text{Co}_{1-x}\text{-ZIF}$ at different temperature under an argon flow. The

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