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(54) **NICKEL NANOPARTICLE
FUNCTIONALIZED FIBROUS
HIERARCHICAL ZEOLITE AND METHOD
OF MAKING THE SAME**

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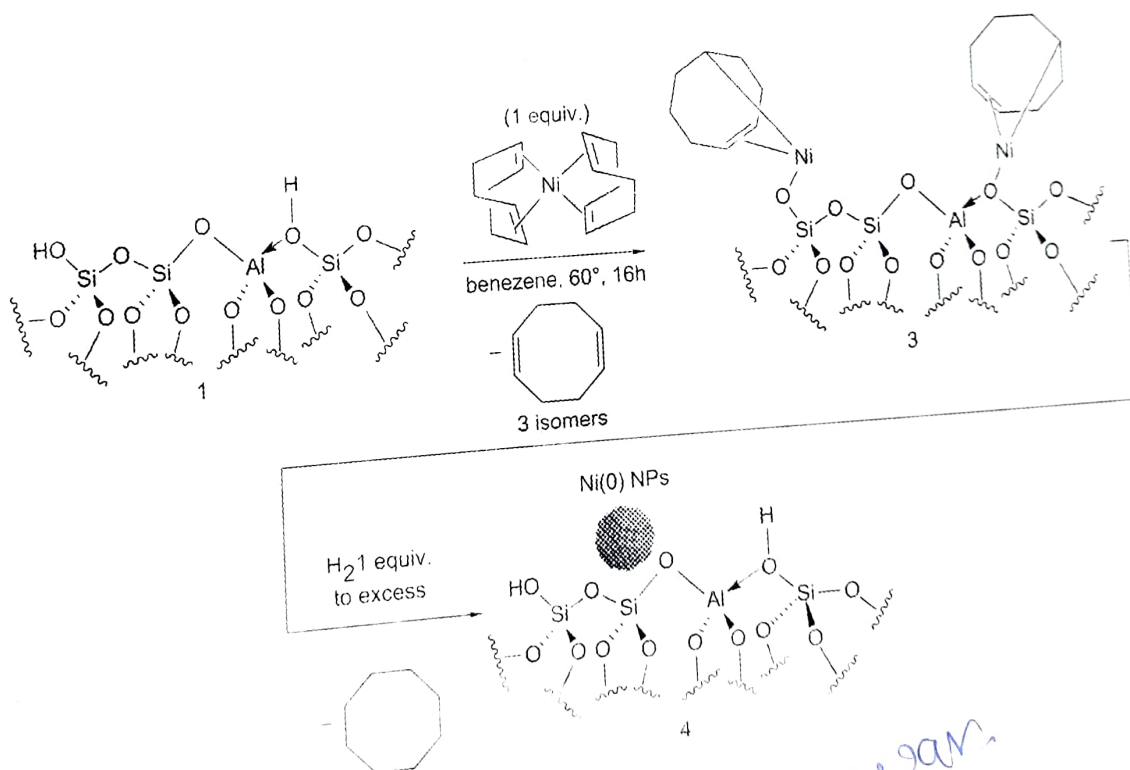
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(57) **ABSTRACT**

A functionalized fibrous hierarchical zeolite includes a framework comprising aluminum atoms, silicon atoms, and oxygen atoms, the framework further comprising a plurality of micropores and a plurality of mesopores. A plurality of nanoparticles comprising nickel are immobilized on the framework.



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