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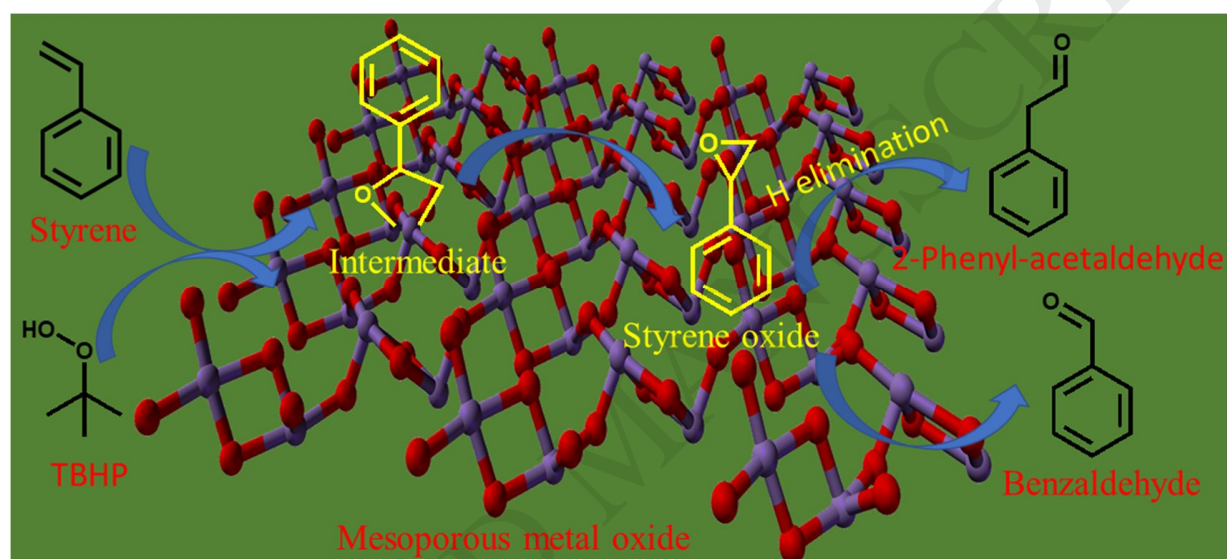
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Catalytic evaluation of mesoporous metal oxides for liquid phase oxidation of styrene.

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Graphical abstract



Highlights

- Mesoporous metal oxide was synthesized using the inverse micelle method.
- Physical and electronic properties of catalysts changed due to heat treatment.
- Moderate catalytic activities and selectivity were obtained.
- Catalyst recycles tests and other variables were investigated.

Abstract

Mesoporous manganese oxide, cobalt oxide, and hybrid Mn-Co oxide were synthesized using an inverse surfactant micelle method. The synthesized materials were monodispersed nanoparticle

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