

For cyclohexene oxidation by molecular oxygen, an important conversion of cyclohexene ($\approx 50\%$) obtained just after 2 h in the case of AuFeC was observed. In terms of selectivity, all catalysts show an excellent adipic acid production up to 90%. As a result, a green chemistry route was obtained from direct oxidation of cyclohexene to adipic acid using bimetallic catalyst in one-step reaction.

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