

Supplementary Information

A new highly active $\text{La}_2\text{O}_3\text{-CuO-MgO}$ catalyst for the synthesis of cumyl peroxide by catalytic oxidation

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Supporting Text

Catalyst recovery operation: Firstly, the catalyst after each reaction is preliminarily separated from the product CHP by vacuum filtration. Adding 50ml ethanol, stirring for 10min under magnetic stirring, and filtering, and repeating the operation twice to remove adhered organic compounds. Then wash and filter with deionized water, and dry the filter cake at 100°C for 12 hours to repeat the experiment.

Supporting Figure

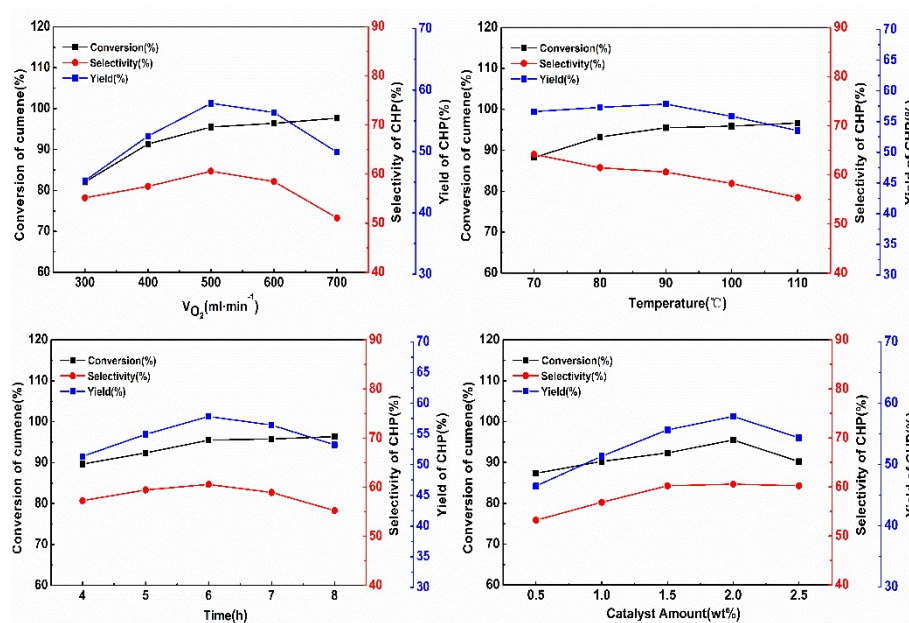


Figure S1 Single factor optimization of the reaction.