

## *Supplementary Information*

### **Research on the elimination of low-concentration formaldehyde by Ag loaded onto Mn/CeO<sub>2</sub> catalyst at room temperature**

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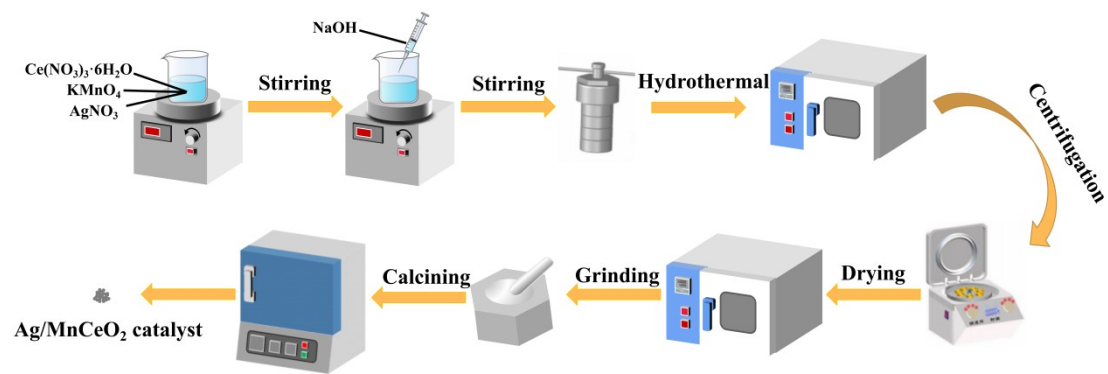
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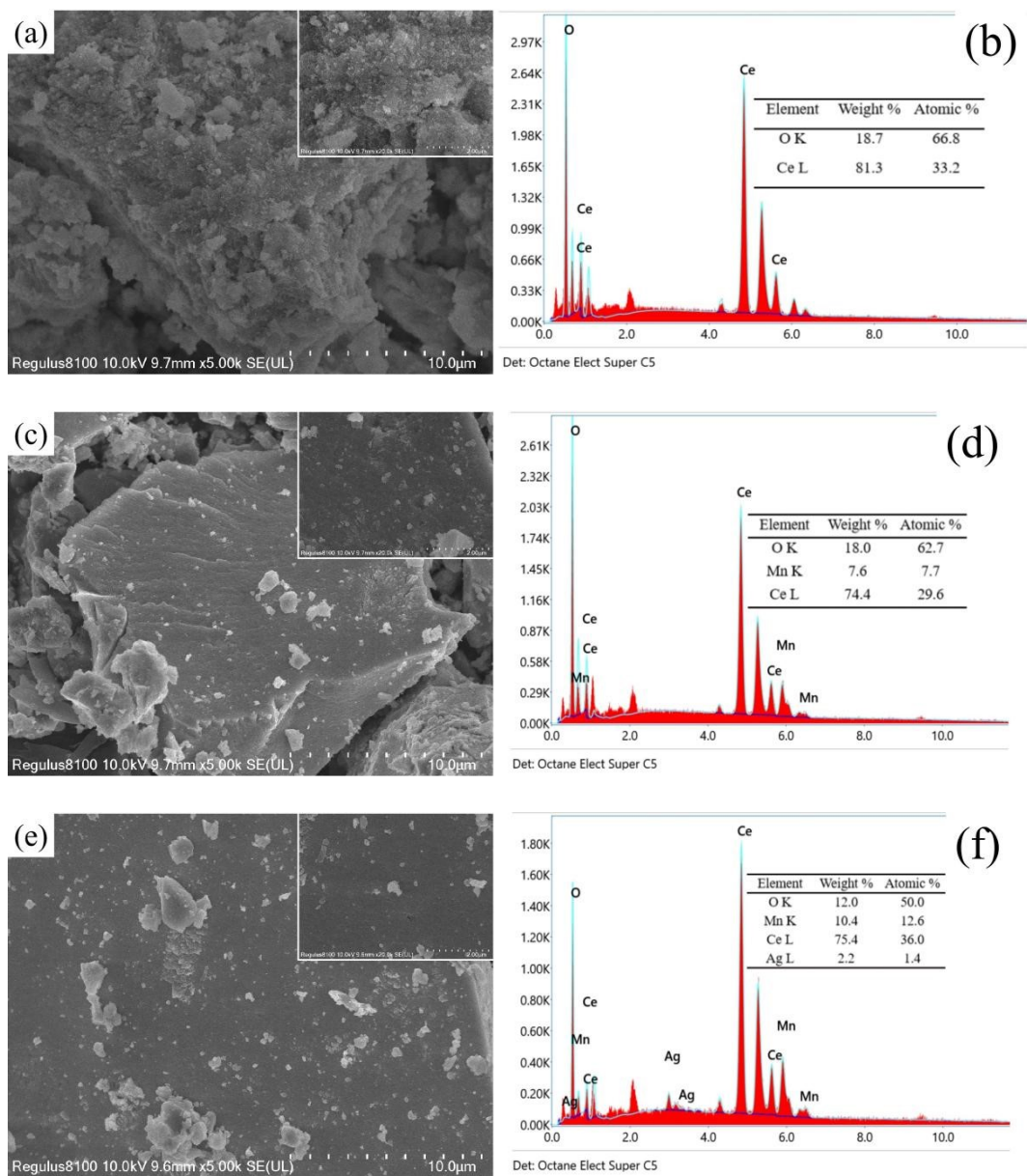
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**Fig. S1** The preparation process for catalysts.



**Fig. S2** SEM and EDS images of pure  $\text{CeO}_2$  (a and b),  $\text{Mn/CeO}_2$  (c and d), and  $\text{Ag/Mn/CeO}_2$  (e and f).

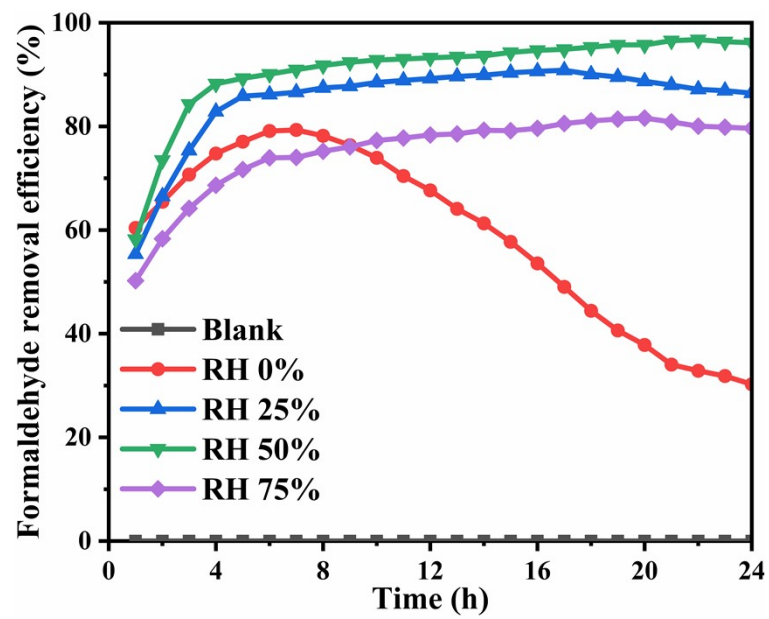


Fig. S3 Formaldehyde removal performance of the Ag/Mn/CeO<sub>2</sub> catalyst at different humidity.