

## **Improved Thermal Stability of a Copper-containing Ceria-based Catalyst for Low Temperature CO Oxidation under Simulated Diesel Exhaust Conditions**

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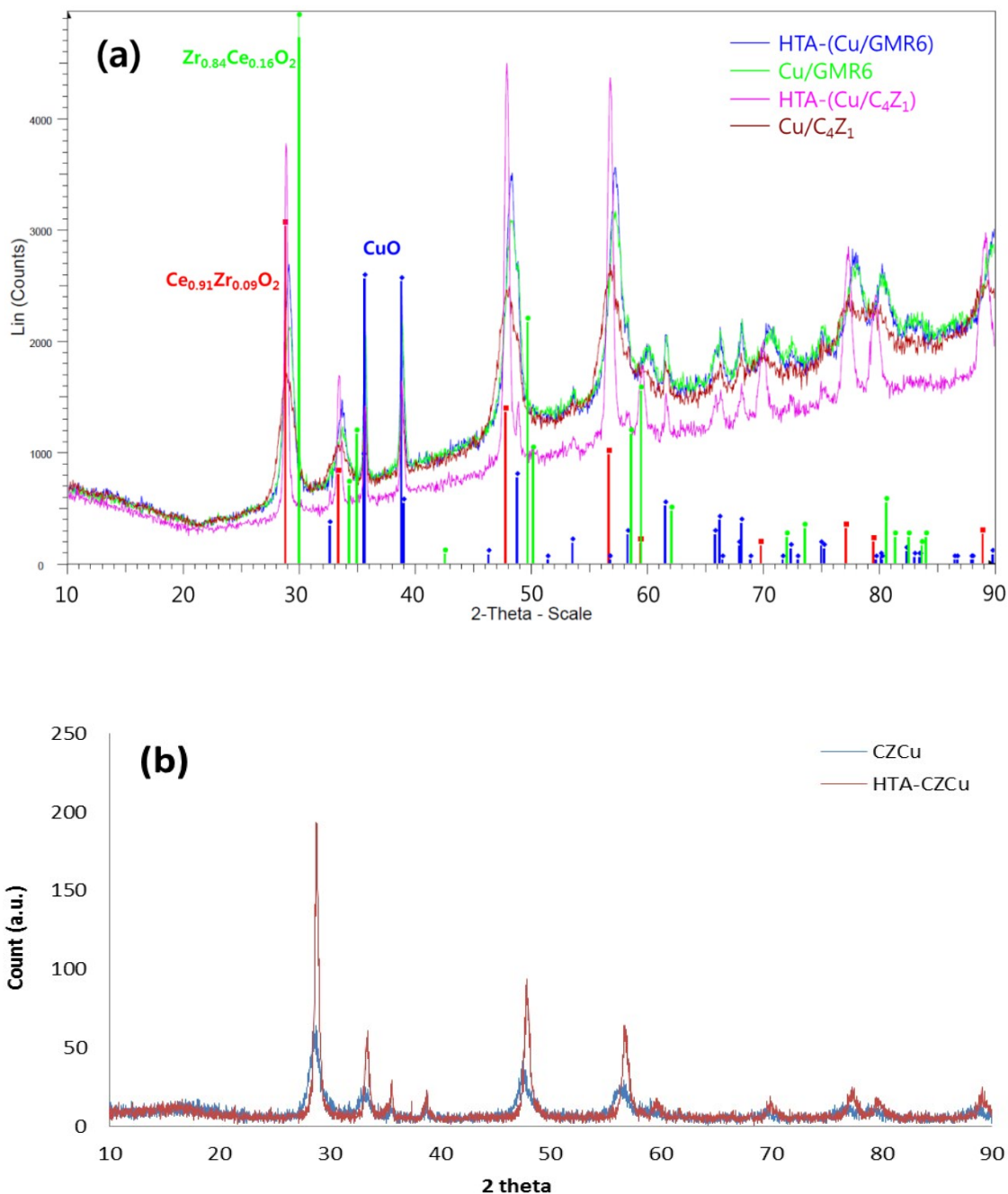
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## 1. XRD

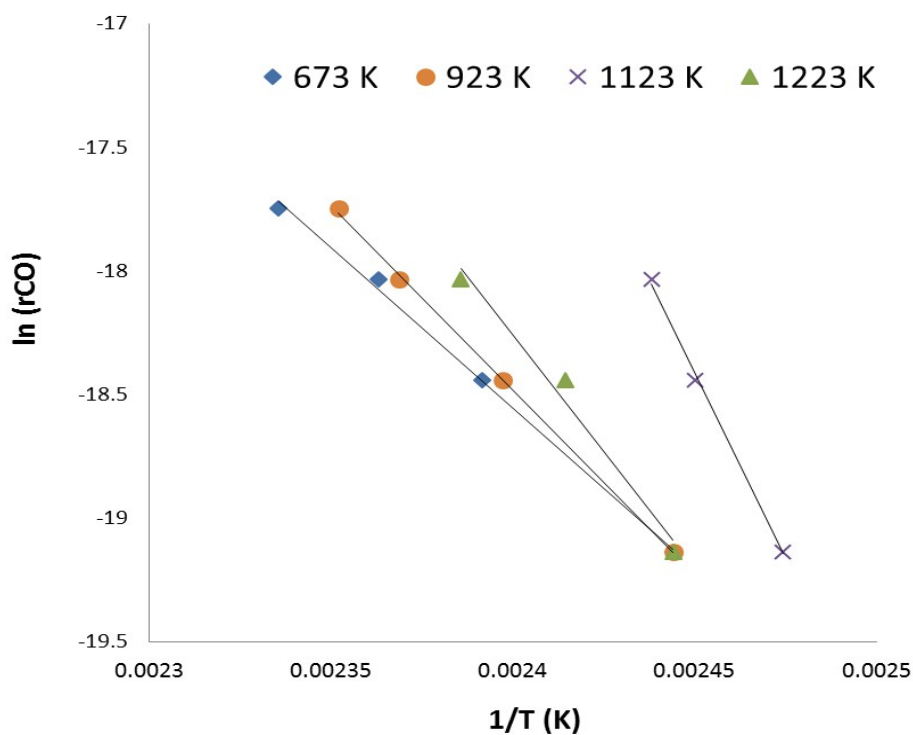
X-ray diffraction of 6 samples, Cu/GMR6, Cu/C<sub>4</sub>Z<sub>1</sub>, CZCu, and their hydrothermally aged forms, were obtained in the 10 – 90 ° 2 theta range.



**Figure S1.** XRD patterns of fresh and hydrothermally aged (HTA) catalysts; (a) Cu/GMR6, Cu/C<sub>4</sub>Z<sub>1</sub> and (b) CZCu.

## 2. Arrhenius plots

Arrhenius plots of  $r_{\text{CO}}$  were obtained with CO conversion up to 10% for Cu/GMR6 calcined at different temperatures.



**Figure S2.** Arrhenius plots of  $r_{\text{CO}}$  over Cu/GMR6 calcined at 673, 923, 1123 and 1223 K.