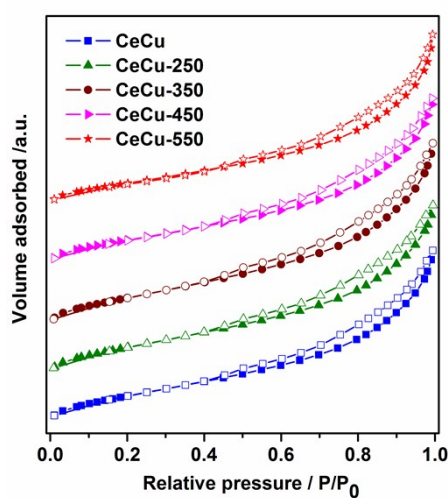


## Migration of copper species in $Ce_xCu_{1-x}O_2$ catalyst driven by thermal treatment and the effect on CO oxidation

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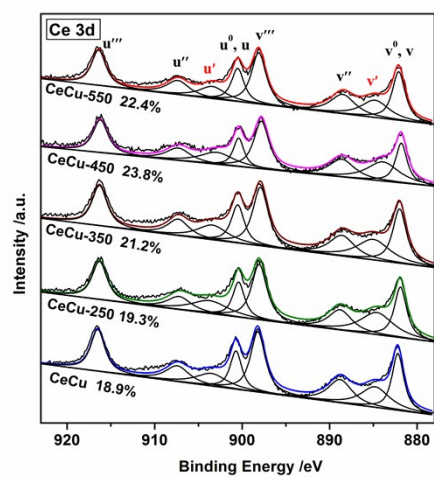
Supplementary materials:



**Figure S1.** The  $N_2$  adsorption-desorption isotherms of the catalysts.

**Table S1.** Textural parameters of the catalysts determined by BET.

Sample	CeO <sub>2</sub>	CeCu	CeCu-250	CeCu-350	CeCu-450	CeCu-550
Surface area /m <sup>2</sup> .g <sup>-1</sup>	26.0	66.4	66.7	68.2	63.4	57.9
Pore Volume /cm <sup>3</sup> .g <sup>-1</sup>	0.044	0.103	0.103	0.108	0.101	0.097
Average Pore Size /nm	6.75	6.17	6.15	6.35	6.38	6.67



**Figure S2.** Ce 3d spectra and the Ce<sup>3+</sup>% of the catalysts determined by XPS.