

In-situ Investigation of Methane Activation on MO_x/CeO_2 (111) Surfaces $\{\text{M}=\text{Co}, \text{Ni} \text{ and } \text{Cu}\}$ using Ambient-Pressure XPS

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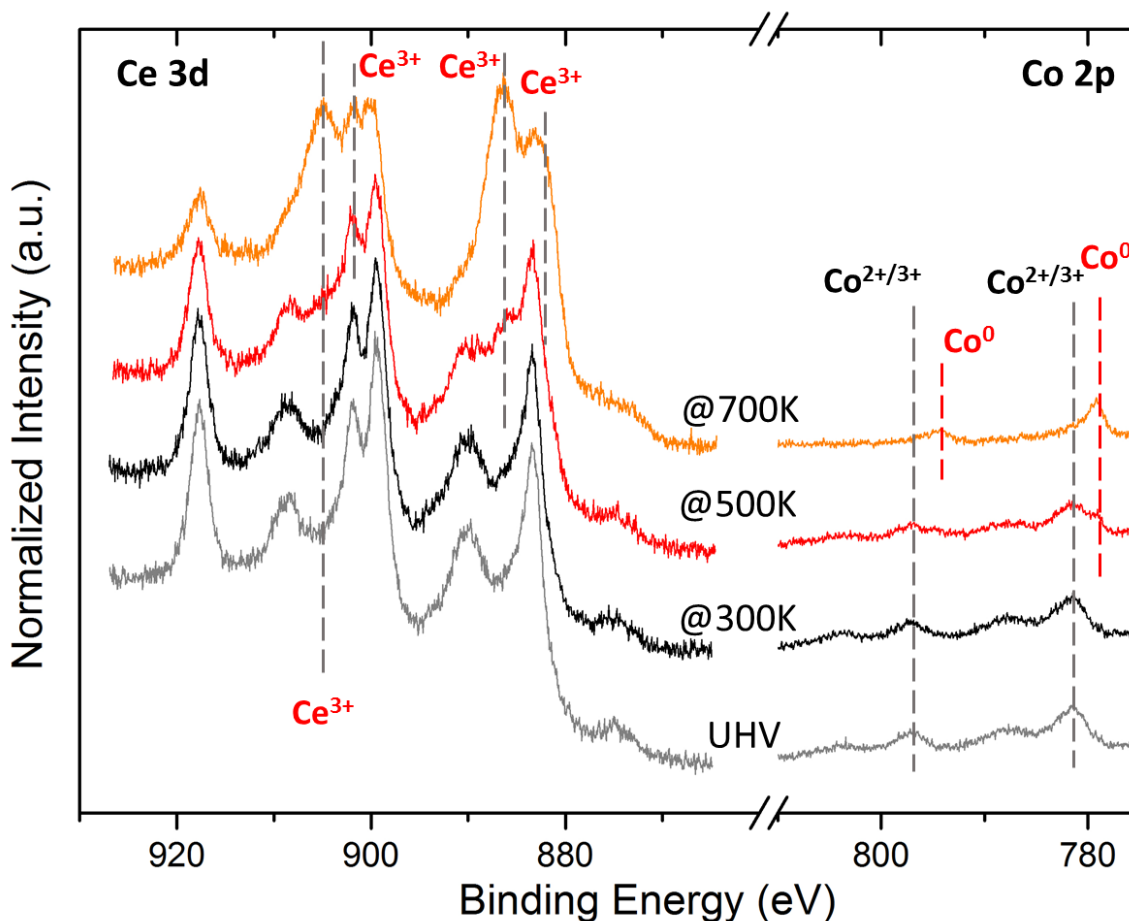


Figure 1. Ce 3d + Co 2p XPS spectra of the $\text{CoO}_x/\text{CeO}_2(111)$ surface at elevated temperatures under 50 mTorr CH_4