Preparation, Characterization and CO Oxidation Performance of $Ag_2O/\gamma\text{-}Al_2O_3$ and $(Ag_2O+RuO_2)/\gamma\text{-}Al_2O_3$ Catalysts

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Supplementary Materials:

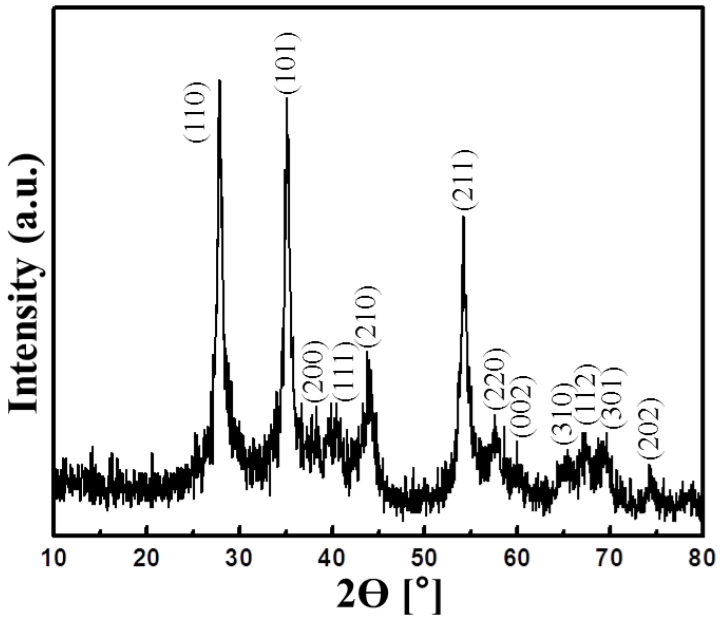


Fig. S1. The XRD spectrum of ruthenium oxide (RUO) NMs [1].

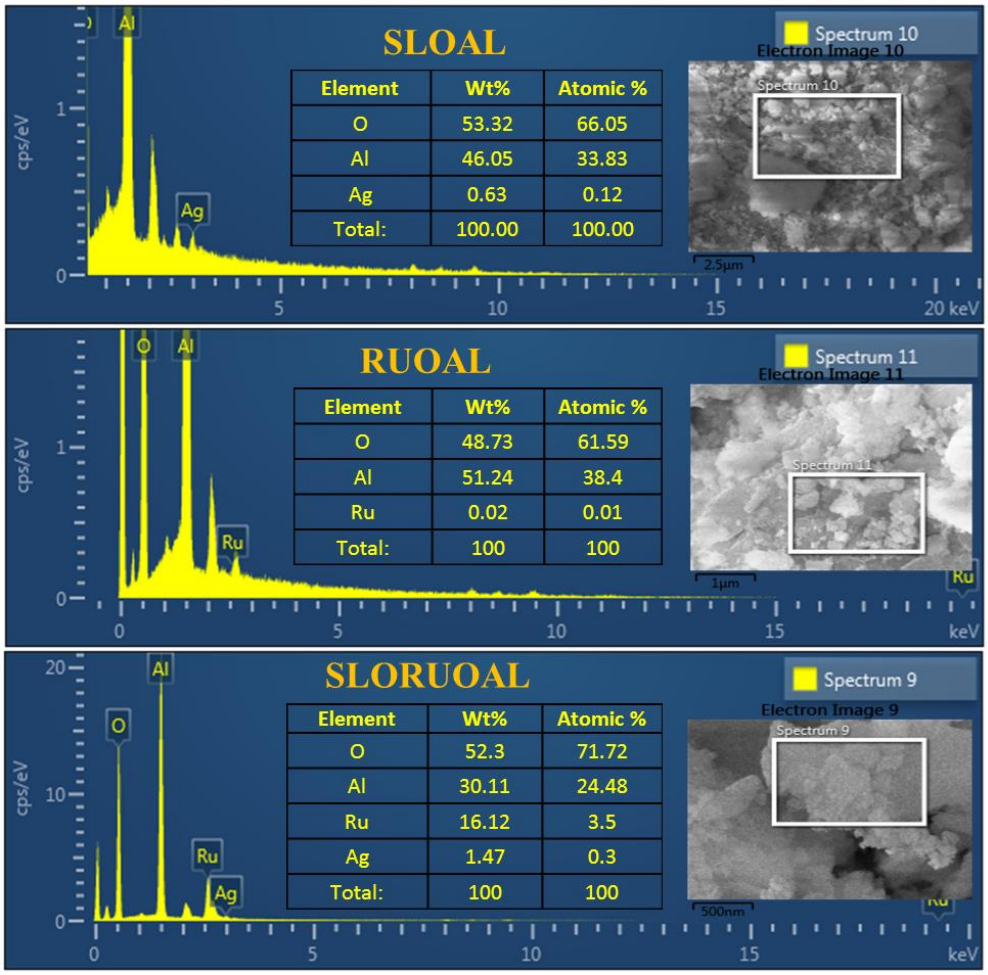


Fig. S2. The FESEM and EDX analysis of the catalysts (1.0 wt.%) are given.

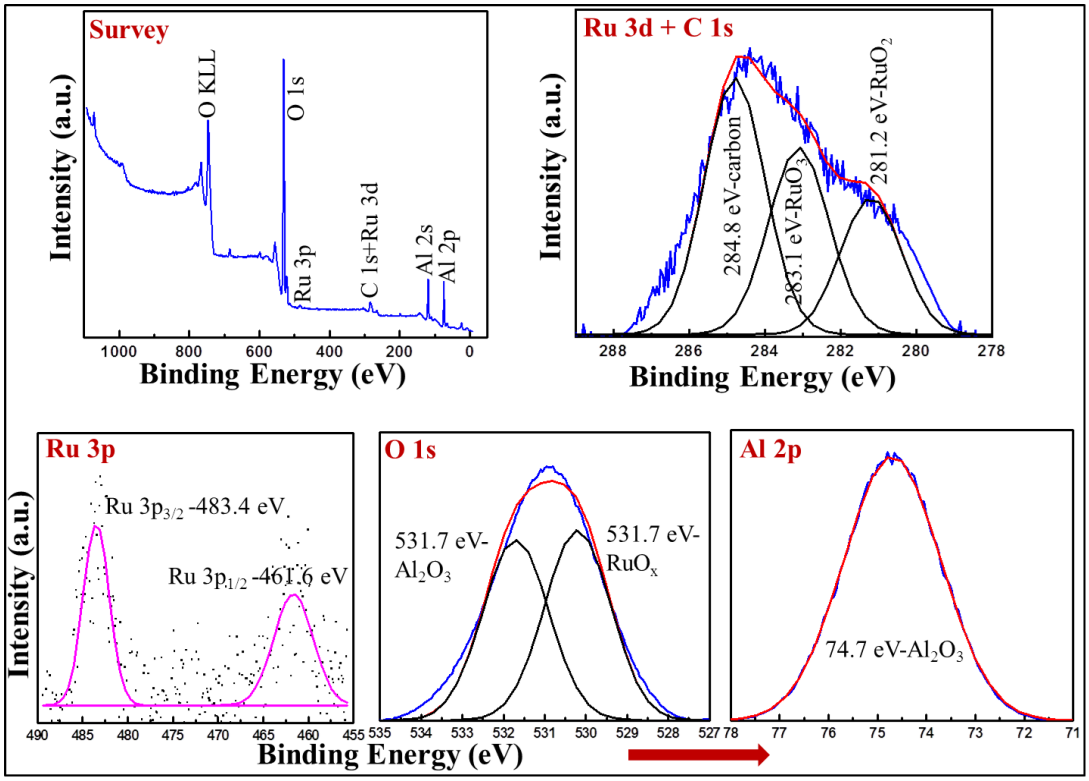


Fig. S3. The XPs survey spectrum, core level high-resolution spectra for Ru 3d, O1s and Al 2p observed for the RUOAL are given.

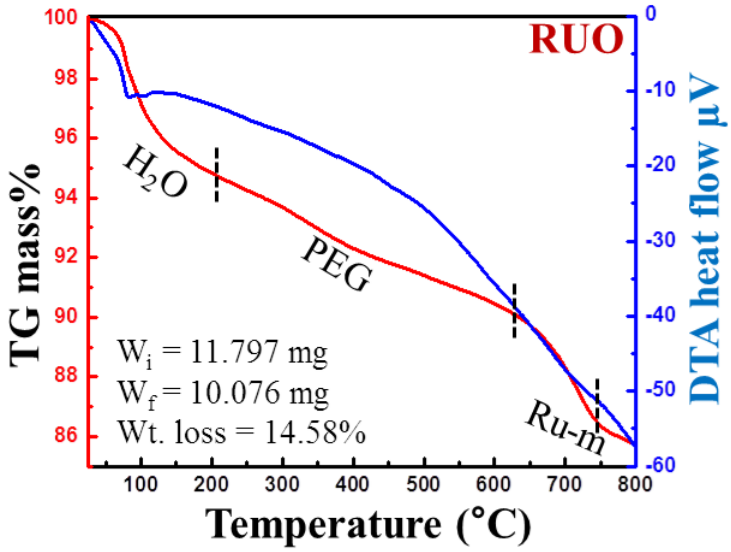


Fig. S4. The TGA thermogram of RUO NMs.

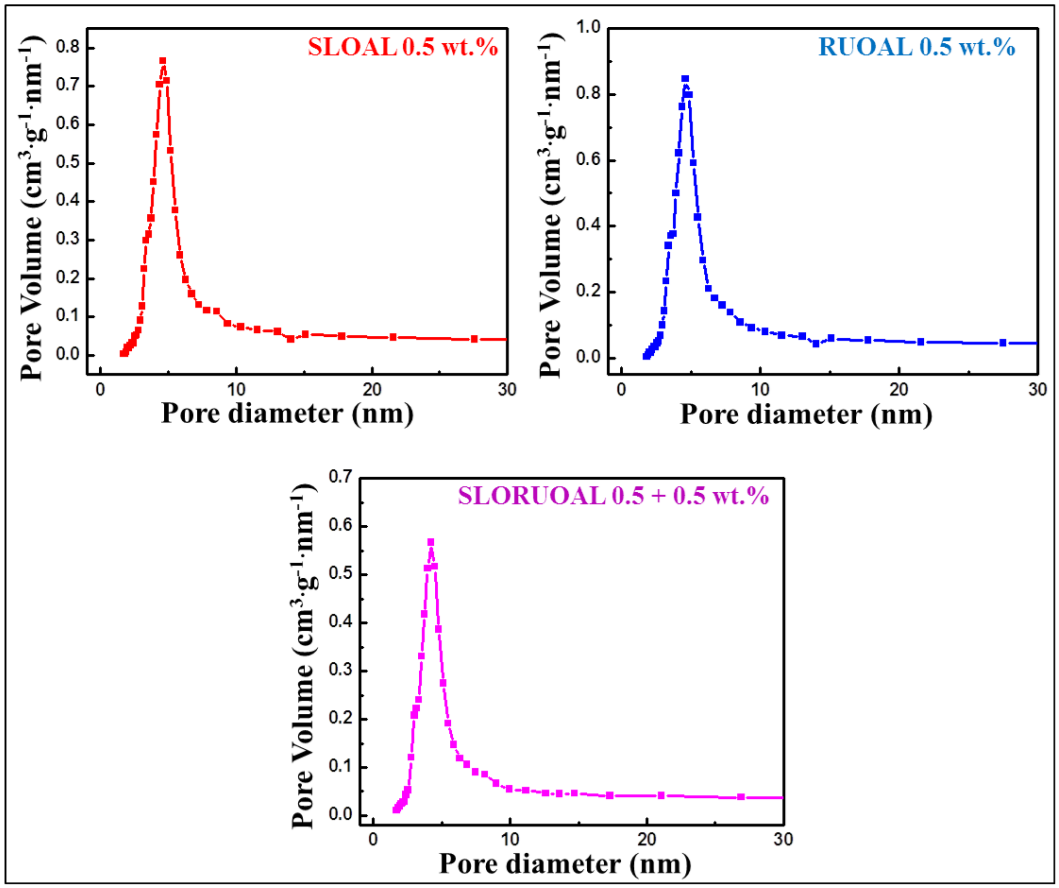


Fig. S5. The pore size distribution graphs for the catalysts are given which shows the pore diameter in the range of 3-10 nm.

Reference:

[1] Ananth, A; Mok, Y.S. Synthesis of RuO_2 nanomaterials under dielectric barrier discharge plasma at atmospheric pressure – Influence of substrates on the morphology and application. *Chem. Eng. J.* **2014**, *239*, 290-298.