Supplementary information

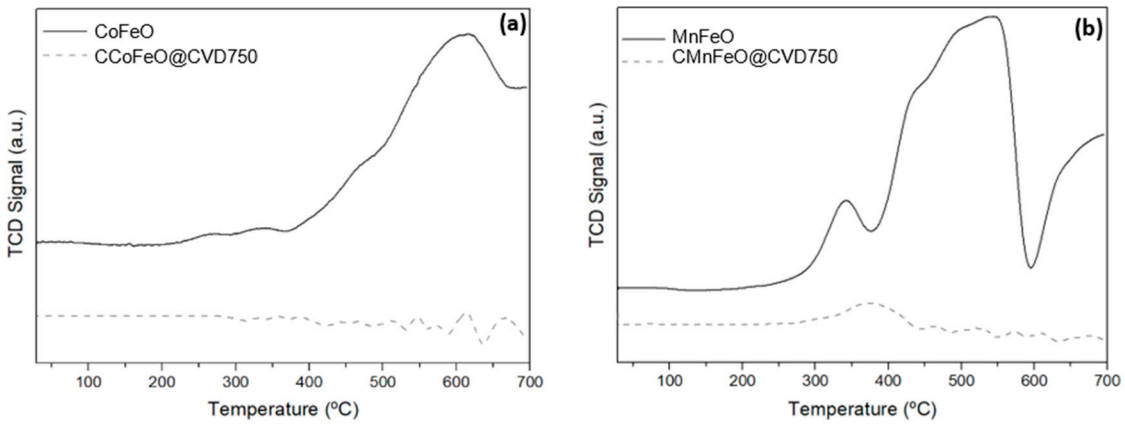


Figure S1 - TPR profiles of (a) CoFeO and (b) MnFeO before and after carbon coating by CVD.

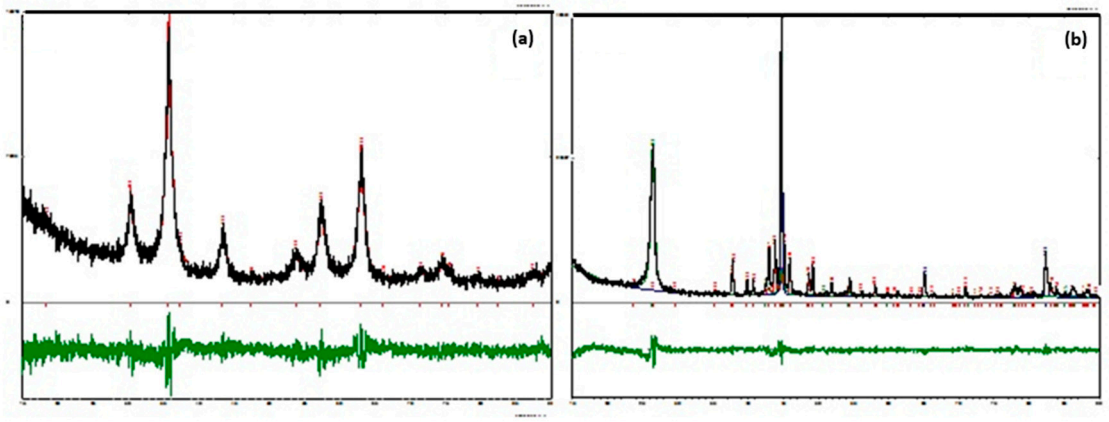


Figure S2 - XRD patterns of FeO (a), CFeO@CVD750 materials (b). The black line represents the Rietveld refinement and the green line is the difference between the experimental data and the fit obtained by the Rietveld refinement.