Electronic Supplementary Information

Promising ceria-samaria based nano-oxides for low temperature soot oxidation: A combined study of structure-activity properties

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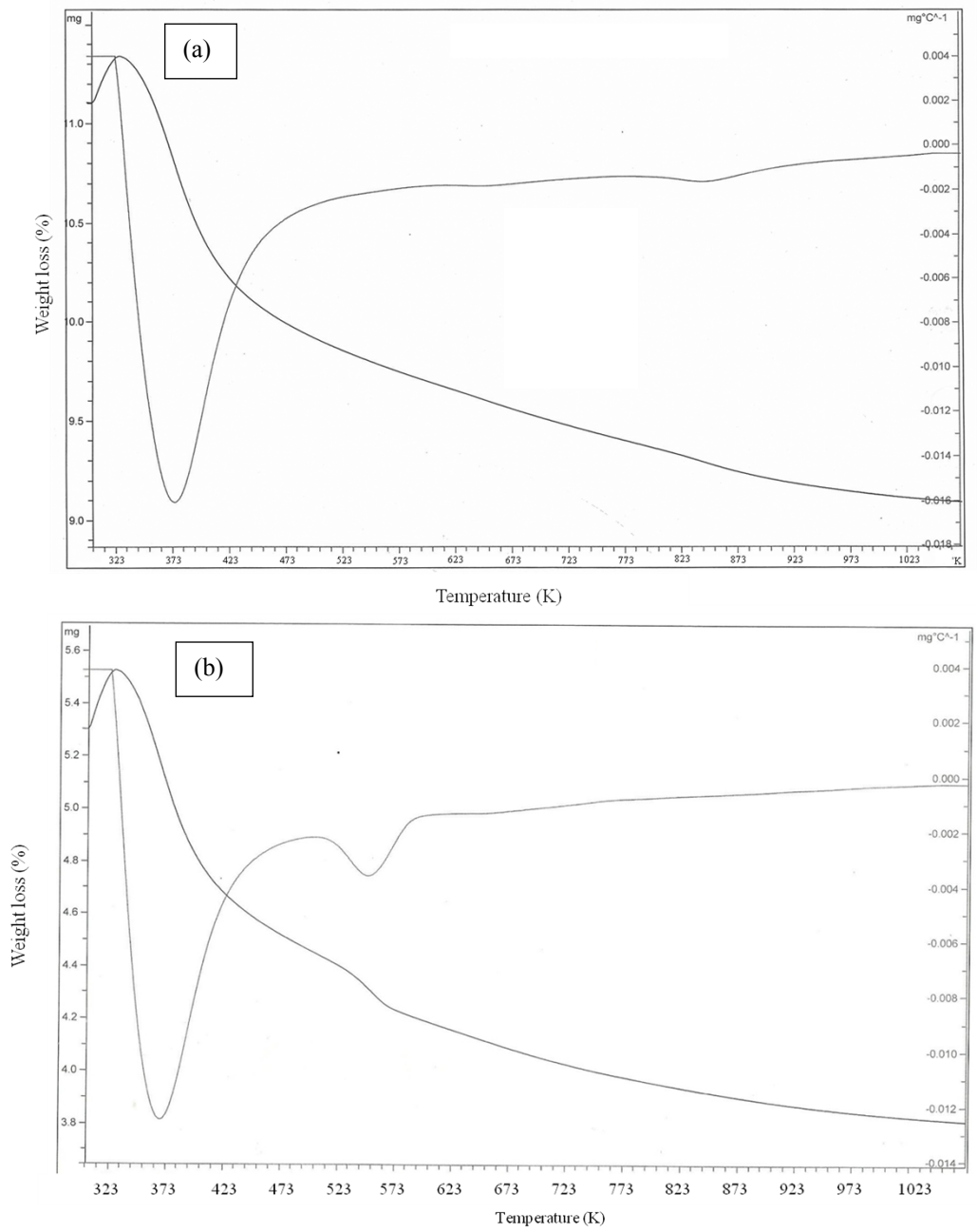

Fig. S1 TG-DTA profiles of oven dried (a) CeO_2-Sm_2O_3 and (b) CeO_2-Sm_2O_3/Al_2O_3 samples.

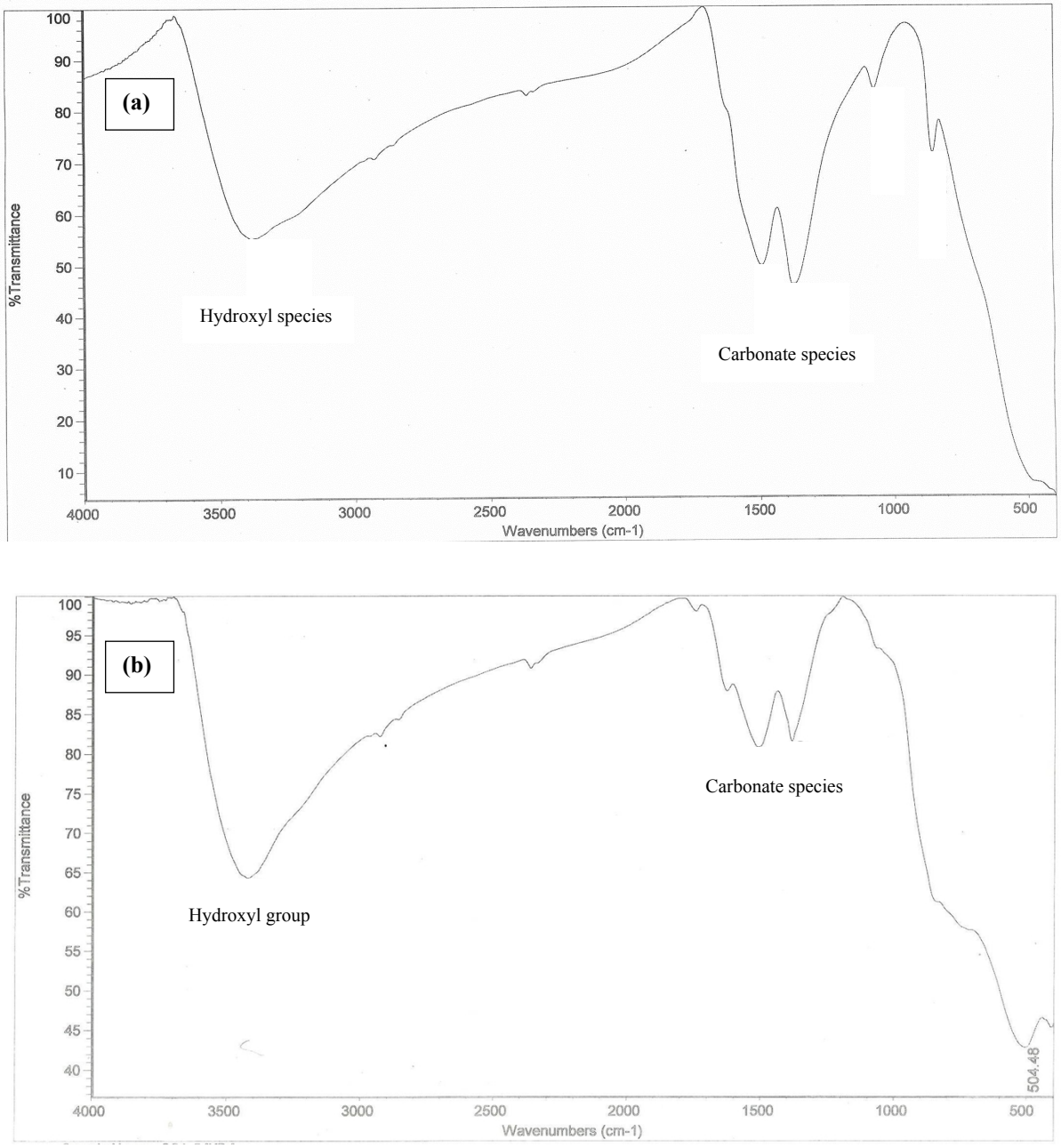

Fig. S2 FTIR analysis of (a) CeO_2-Sm_2O_3 and (b) CeO_2-Sm_2O_3/Al_2O_3 samples calcined at 773 K.

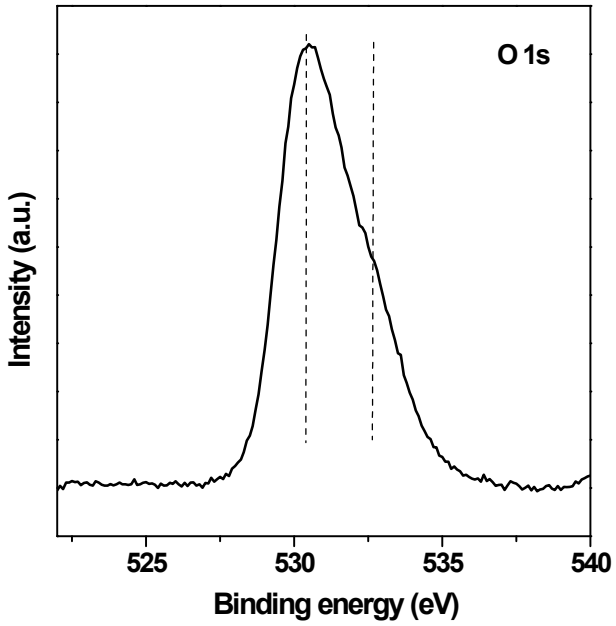

Fig. S3 O 1s XPS spectrum of pure ceria sample calcined at 773 K.