Supporting information for:

Reactive Grinding synthesis of La(Sr,Ce)CoO_3 and their properties in toluene catalytic total oxidation

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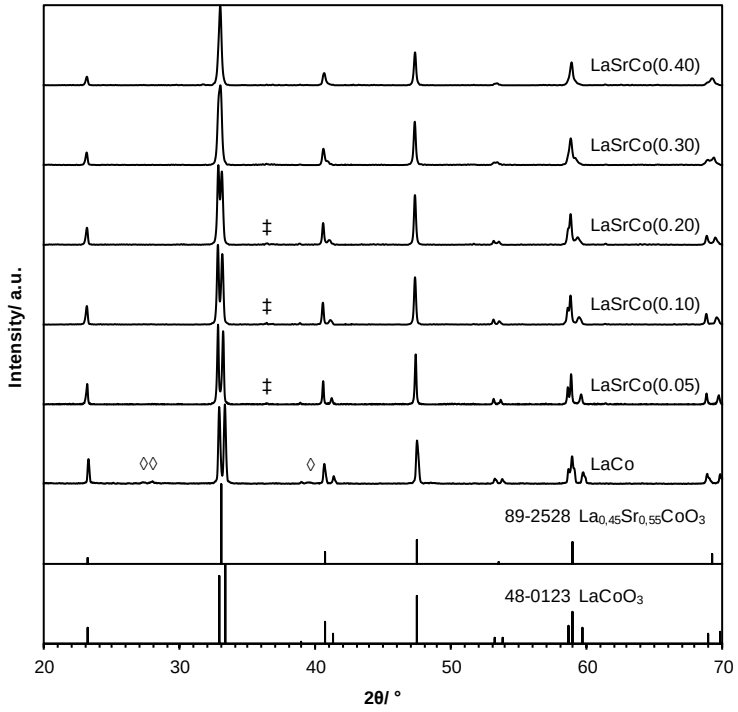

Figure S1. Diffractograms obtained for $La_{1-x}Sr_xCoO_3$ samples after solid state reaction (first step of the RG synthesis). Bottom of the figure: vertical bars are for cited JCPDS reference. ◊, $La(OH)_3$; ‡, Co_3O_4.

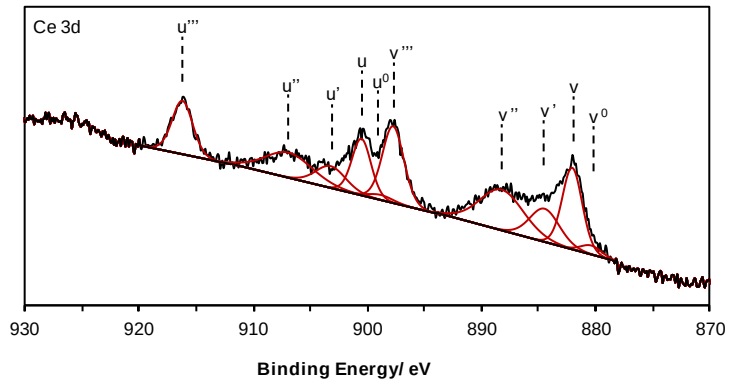

Figure S2. High resolution spectra of the Ce 3d core level spectra for the $La_{0.8}Ce_{0.2}CoO_3$ sample.

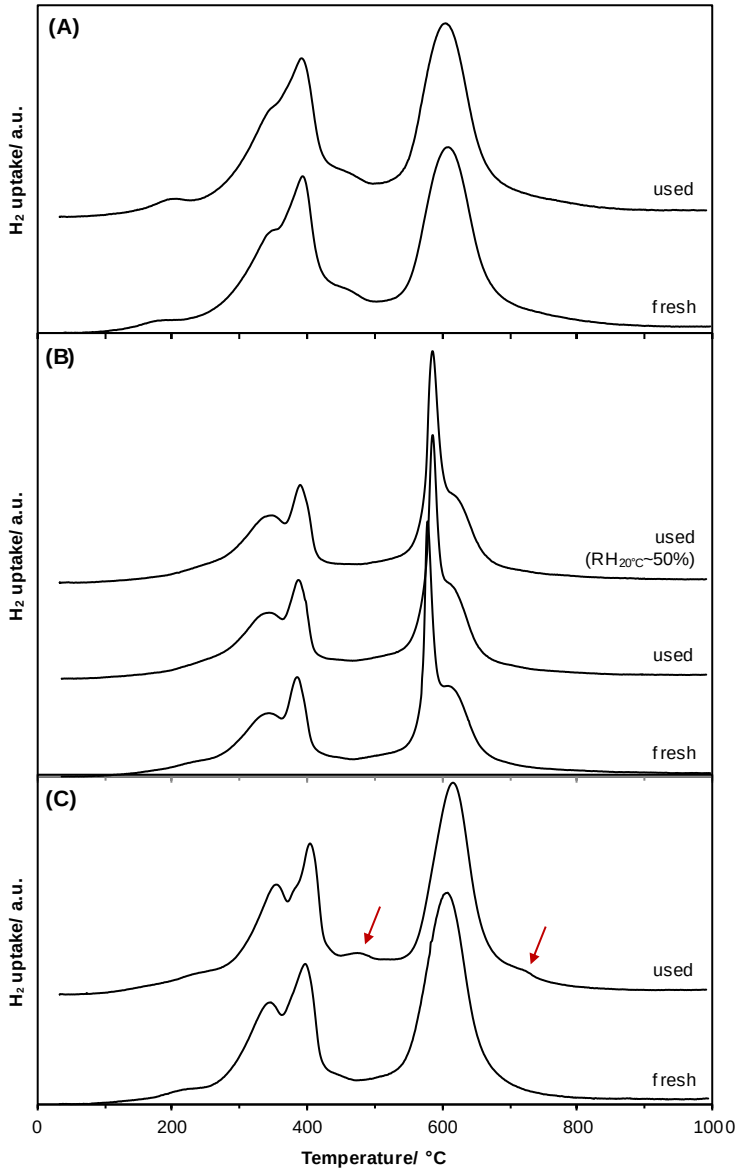

Figure S3. H_2-TPR profile comparison between fresh and used catalysts issued from long-term stability experiments. (A) LaCo; (B) LaSrCo(0.10); (C) LaCeCo(0.01).