Catalytic oxidation of soot on a novel active Ca-Co dually-doped lanthanum tin pyrochlore oxide

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4 pages (including this page):

Figure S1-S2

Figure S1.

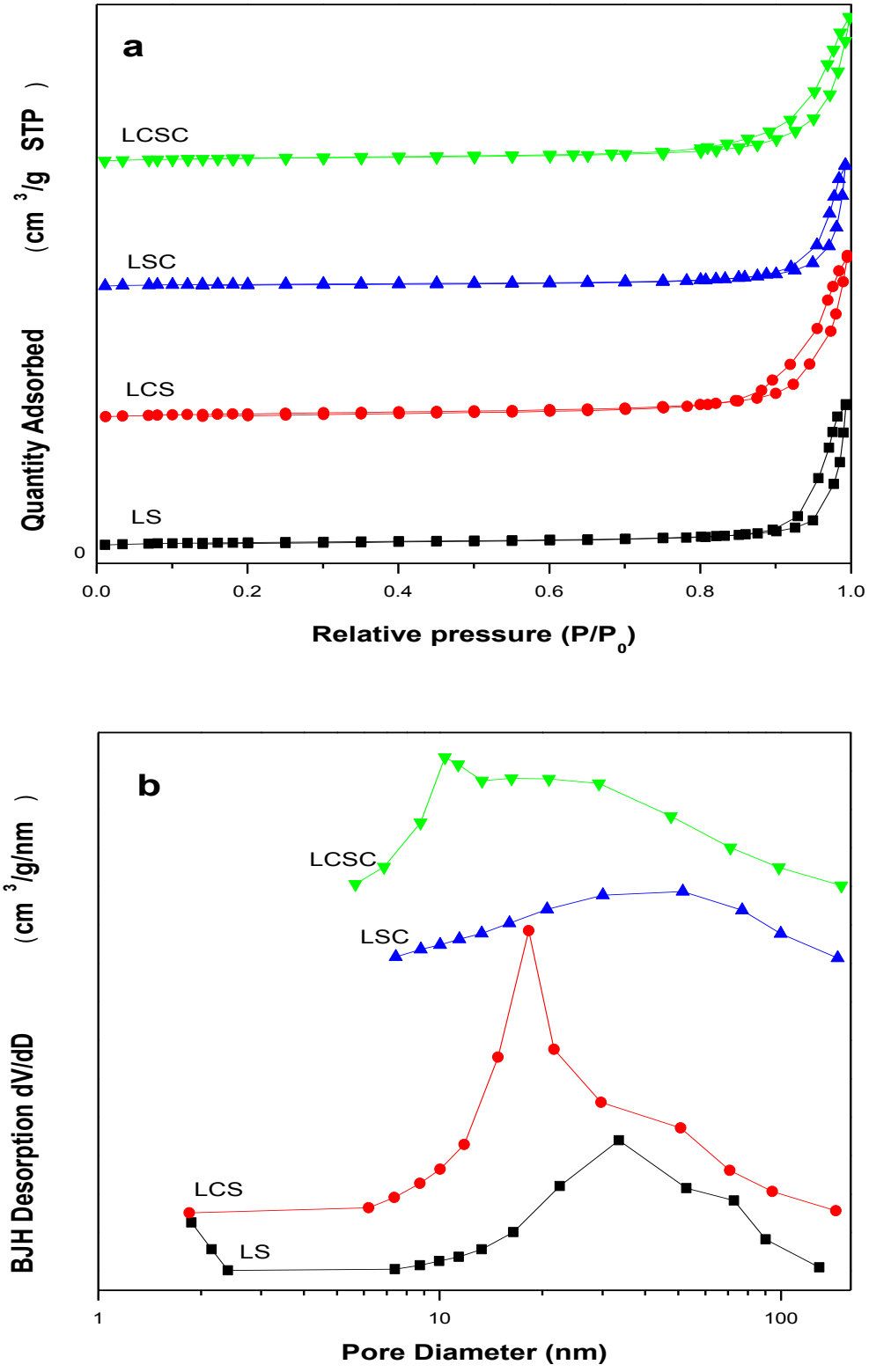
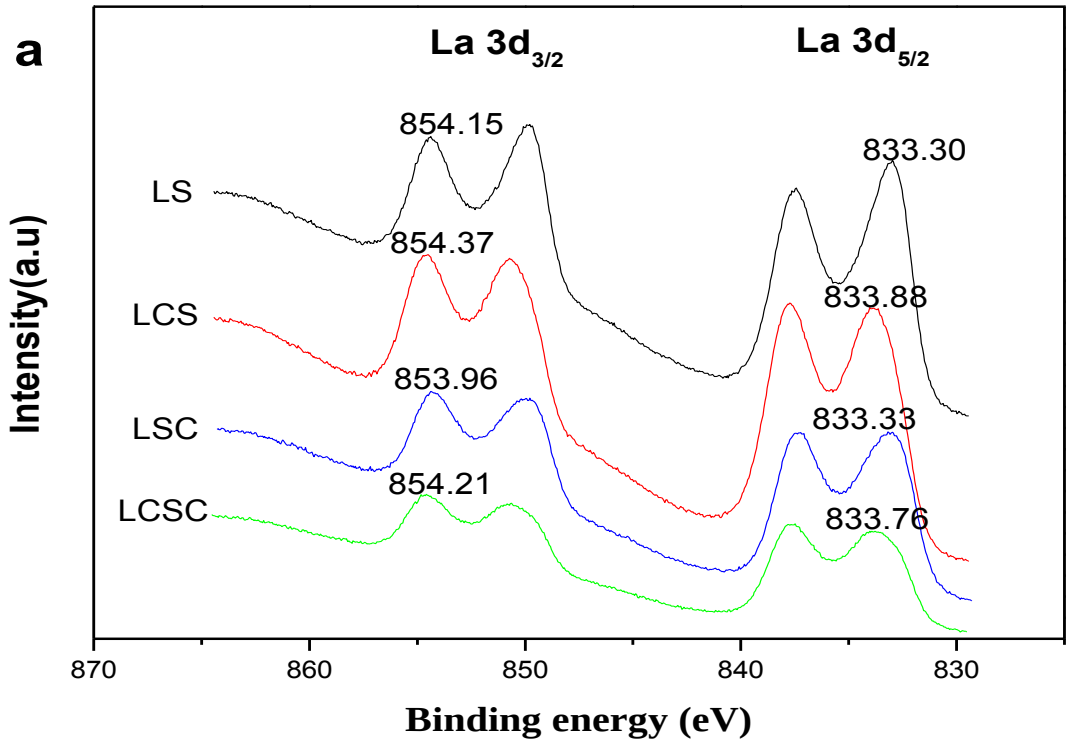
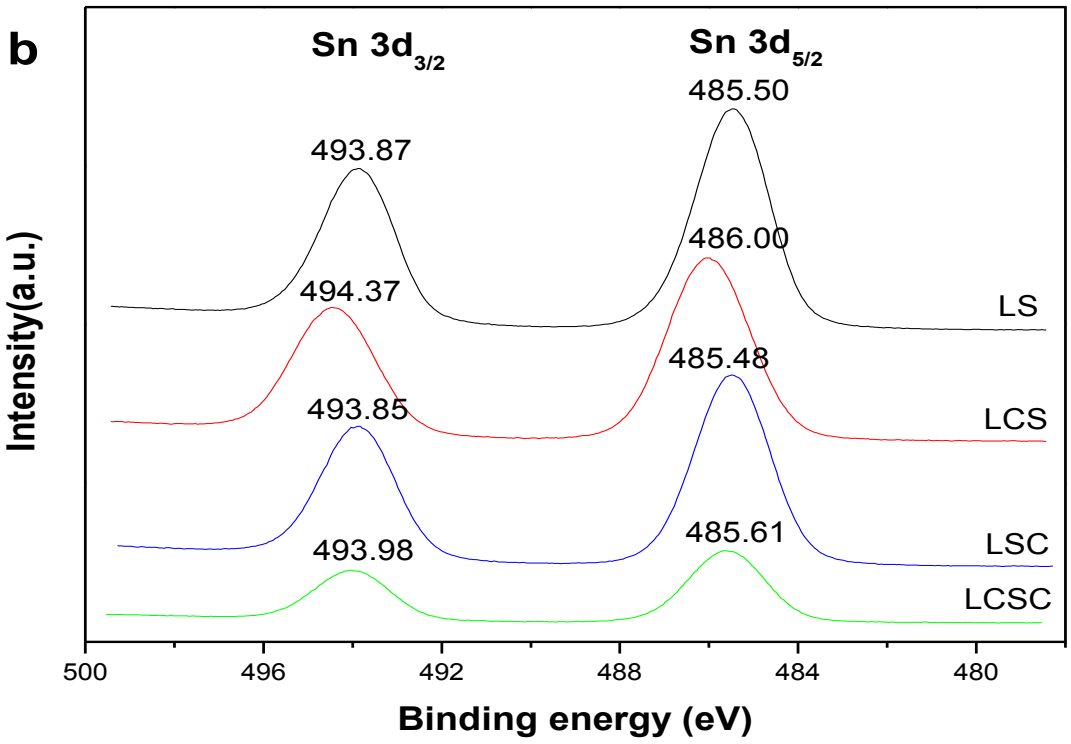


Figure S1. Nitrogen adsorption-desorption isotherms (a) and pore size distributions (b) of $La_{2-x}Ca_xSn_{2-y}Co_yO_7$ catalysts.

Figure S2.


a
La 3d3/2
La 3d5/2
854.15
833.30
LS
854.37
LCS
833.88
853.96
LSC
833.33
854.21
LCSC
833.76
Intensity(a.u)
870
860
850
840
830
Binding energy (eV)


b
Sn 3d3/2
Sn 3d5/2
485.50
493.87
486.00
494.37
LS
485.48
493.85
LCS
485.61
493.98
LSC
LCSC
Intensity(a.u.)
500
496
492
488
484
480
Binding energy (eV)

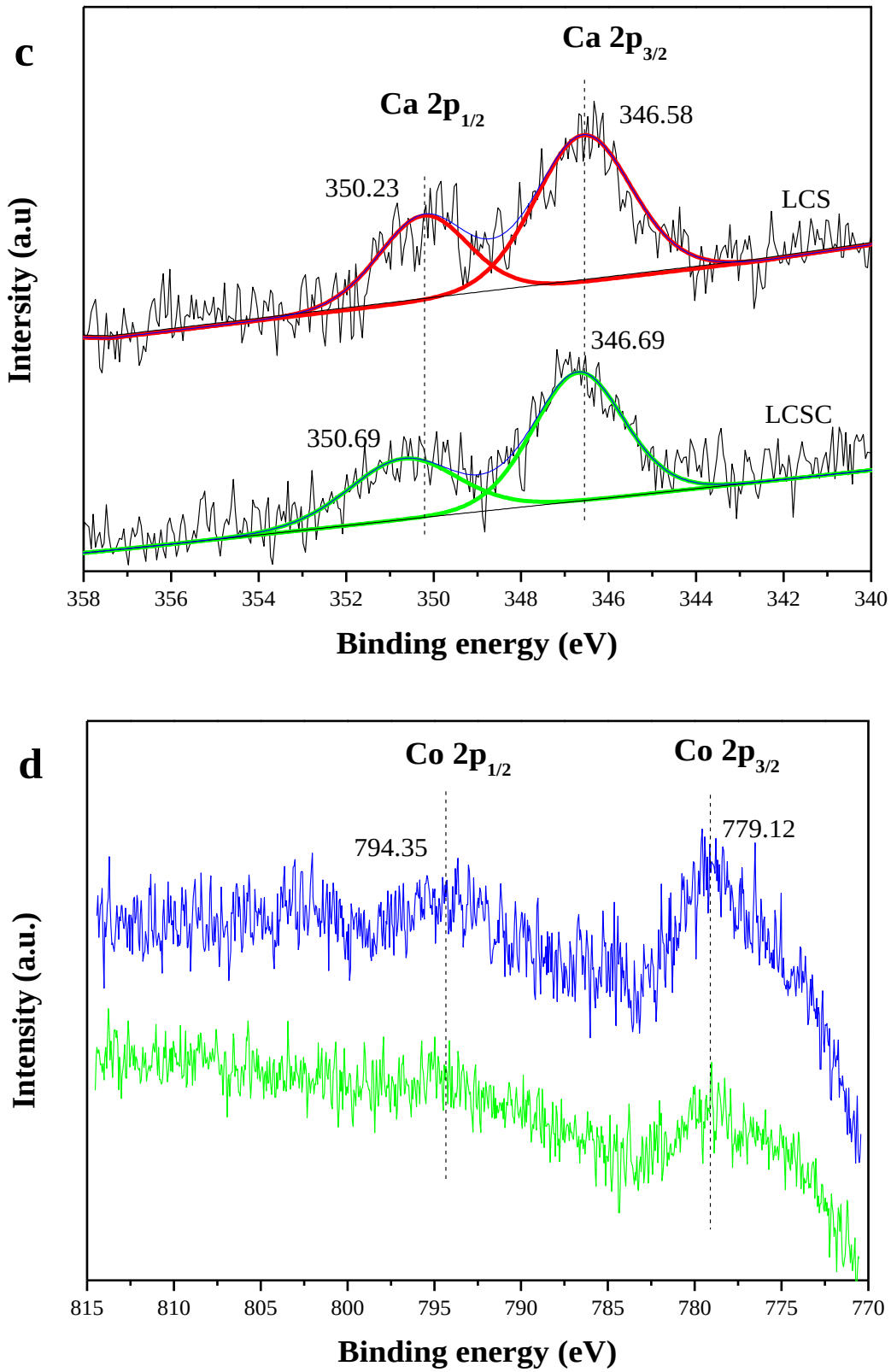


Figure S2. XPS spectra of (a) La 3d (b) Sn 3d (c) Ca 2p (d) Co 2p region of the obtained catalysts