# Core and valence level spectroscopy study of the enhanced reduction of CeO2 by iron substitution. Implication on the thermal water splitting activity.

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# Figure S1.

Normalized XPS Ce5p and O2s of as prepared CeO2 and after 5-minute argon ions sputtering.

A

B

C

D

# Figure S2

Curve fitting of the XPS Ce5p and O2s peaks for the fresh A and C and Argon ions sputtered B and D Ce0.95Fe0.05O2 and Ce0.75Fe0.25O2, respectively.