

Supplementary Information

Structure and special chemical reactivity of interface stabilized cerium oxide nanolayers on TiO₂(110)

Stefano Agnoli, Askia E. Reeder, Sanjaya. D. Senanayake, Jan Hrbek, and José. A. Rodriguez

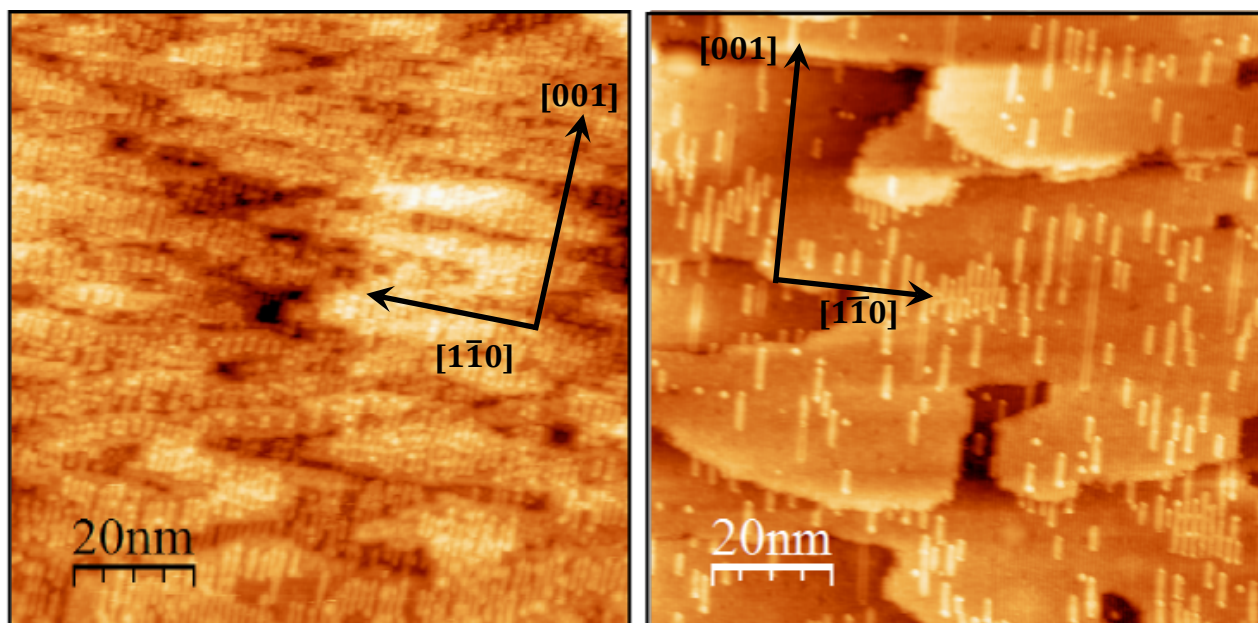


Fig. S1 (left) STM pictures of CeO_x deposited at 650 K and annealed at 750K in 2×10^{-7} torr oxygen, (right) same preparation, but on an area of the sample that was shielded from the evaporator to limit ceria deposition

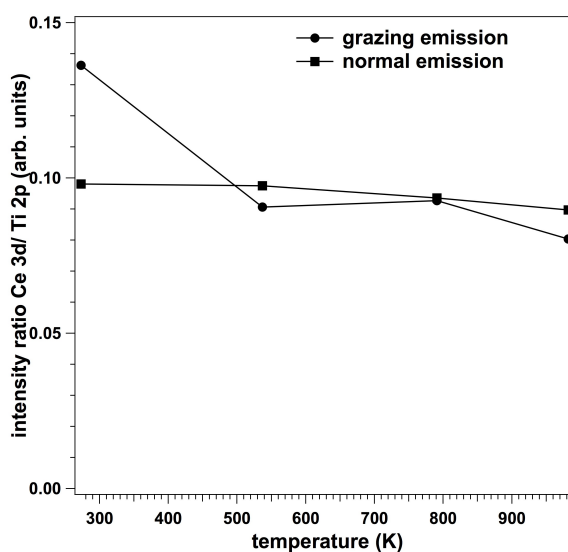


Fig. S2: Evolution as a function of temperature of the ratio between Ce 3d and Ti 2p photoemission spectra, evidencing the absence of significant diffusion of ceria into the bulk of titania.