Electronic Supplementary Material (ESI) for RSC Advances.

Mesoporous RuO_2/TiO_2 Composites Prepared by Cyclodextrin-Assisted Colloidal Self-Assembly: Towards Efficient Catalysts for the Hydrogenation of Methyl Oleate

Rudina Bleta,*[a] Sébastien Noël,[a] Ahmed Addad,[b] Anne Ponchel[a] and Eric Monflier[a]

[a]Univ. Artois, CNRS, Centrale Lille, ENSCL, Univ. Lille, UMR 8181, Unité de Catalyse et de Chimie du Solide (UCCS), F-62300 Lens, France. *E-mail : rudina.bleta@univ-artois.fr*

[b]Univ. Lille, CNRS, INRA, ENSCL, UMR 8207 - UMET - Unité Matériaux et Transformations, F-59000 Lille, France.

Experimental

Transmission Electron Microscopy (TEM) observations on reduced $Ru(0)/TiO_2$-sg and $Ru(0)/TiO_2$-ns catalysts were performed using a JEOL JEM-2100 high resolution microscope equipped with an Orius SC 200 high-speed digital camera (Gatan) at an acceleration voltage of 200 kV. The $Ru(0)/TiO_2$ powders were deposited directly on the surface of a carbon coated copper grid before observation.

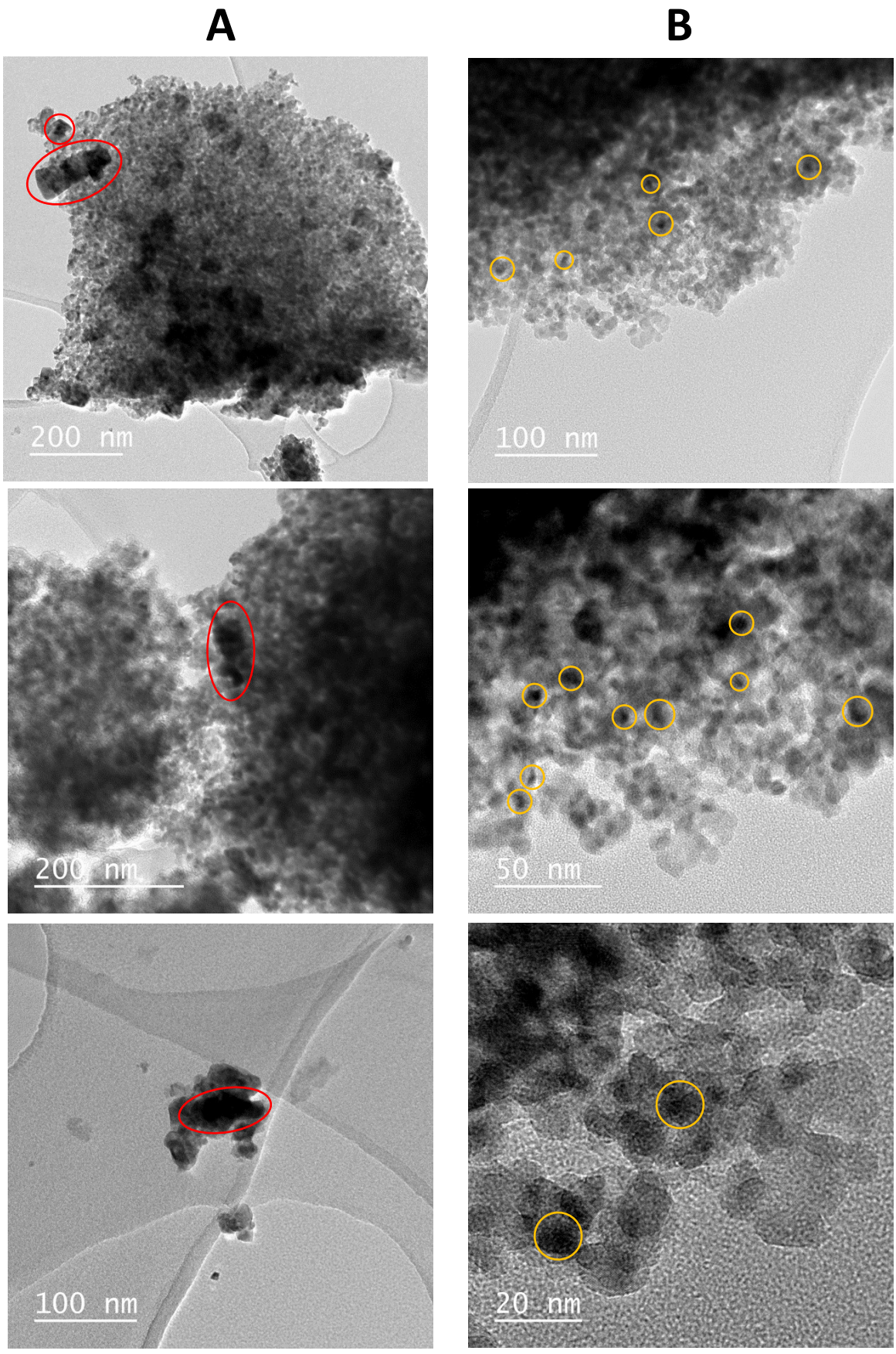

Fig.S1 *TEM analyses on reduced Ru(0)/TiO_2-sg (A) and Ru(0)/TiO_2-ns (B) catalysts.*