

Supporting information for:

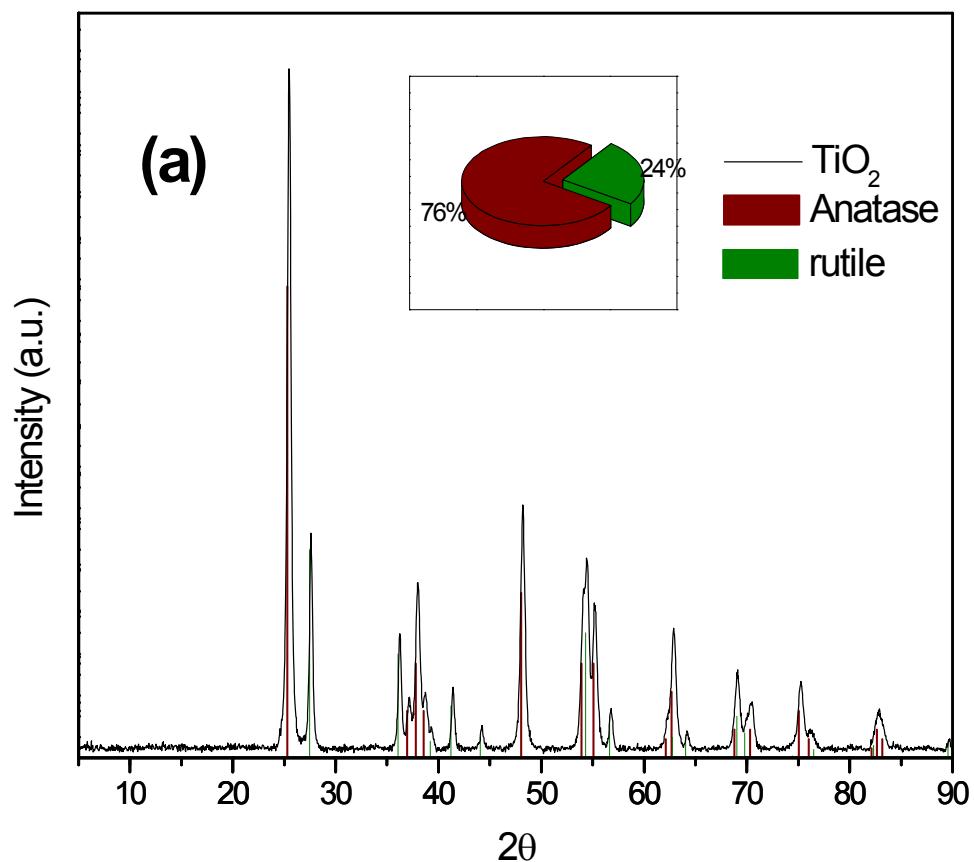
Difference in the deactivation of Au catalysts during the ethanol transformation when supported on ZnO and on TiO₂

M. V. Morales,^a E. Asedegbega Nieto,^{a*} E. Castillejos-López,^a B. Bachiller-Baeza,^b A. Guerrero-Ruiz^a

^a Department of Inorganic Chemistry and Chemical Engineering, UNED, Madrid, Spain

^b Institute of Catalysis and Petrochemistry, CSIC, Madrid, Spain

*Corresponding author: easedegbega@ccia.uned.es



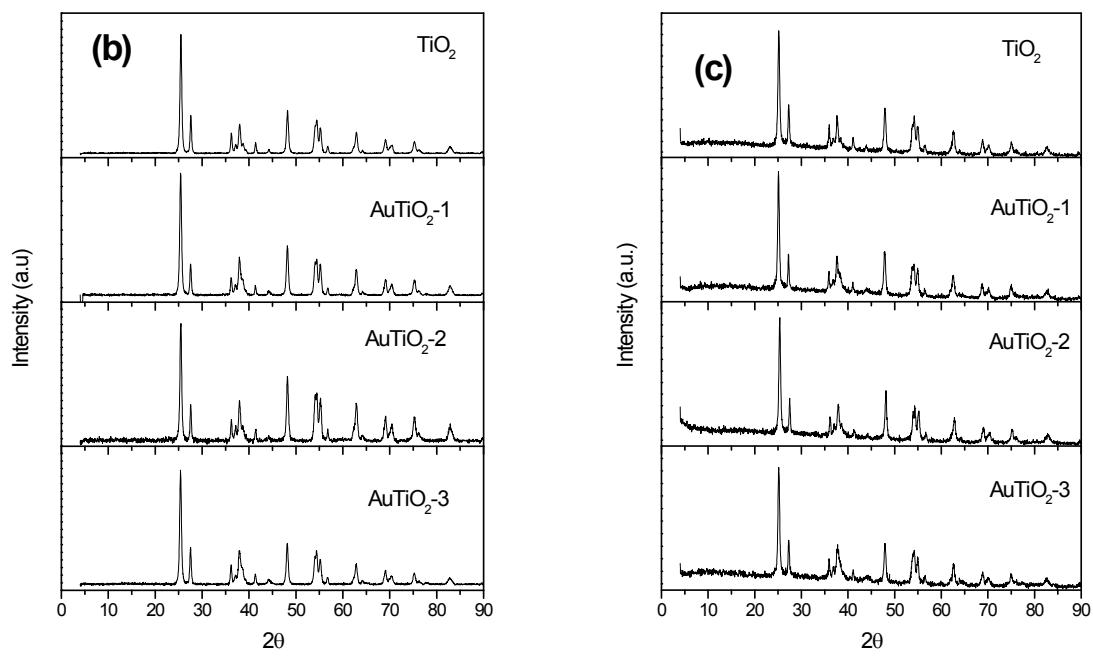


Fig. S1. XRD patterns of (a) support, (b) fresh catalysts and (c) used catalysts of TiO_2 series.

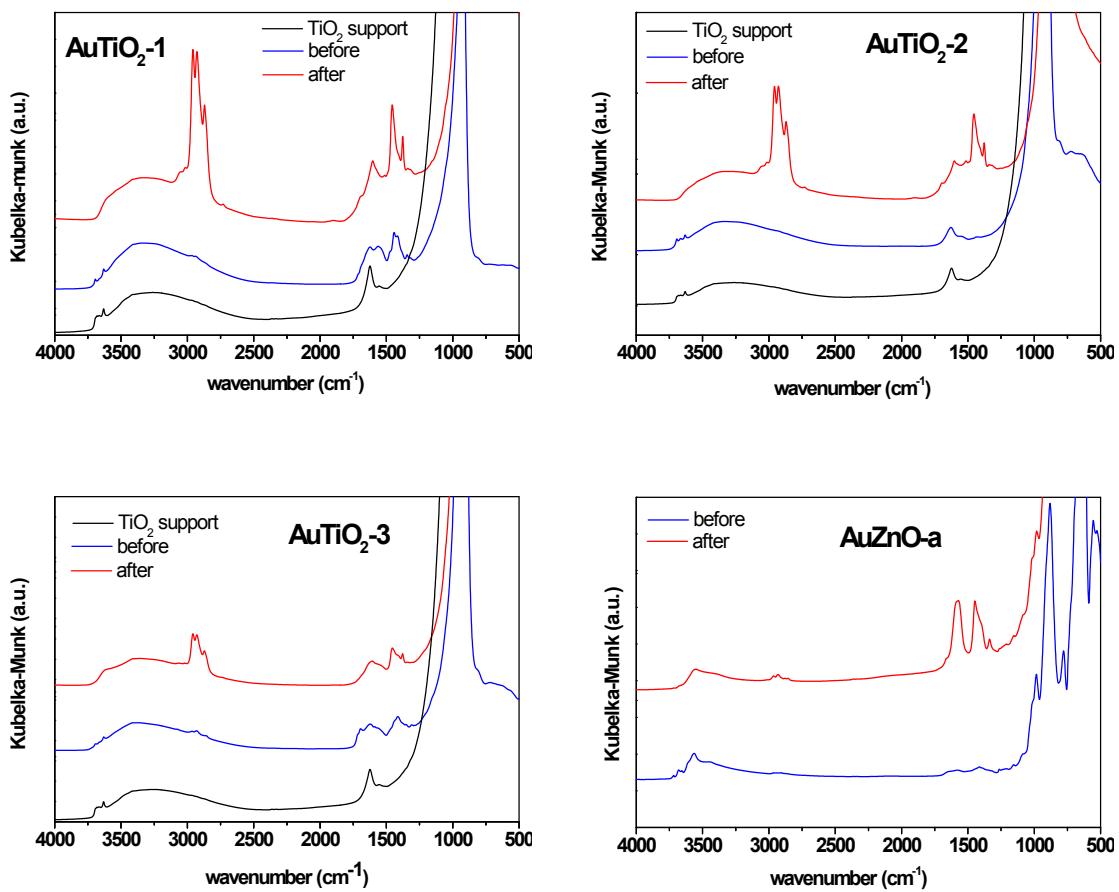


Fig. S2. DRIFT spectra of fresh and used AuTiO_2 and AuZnO catalysts.

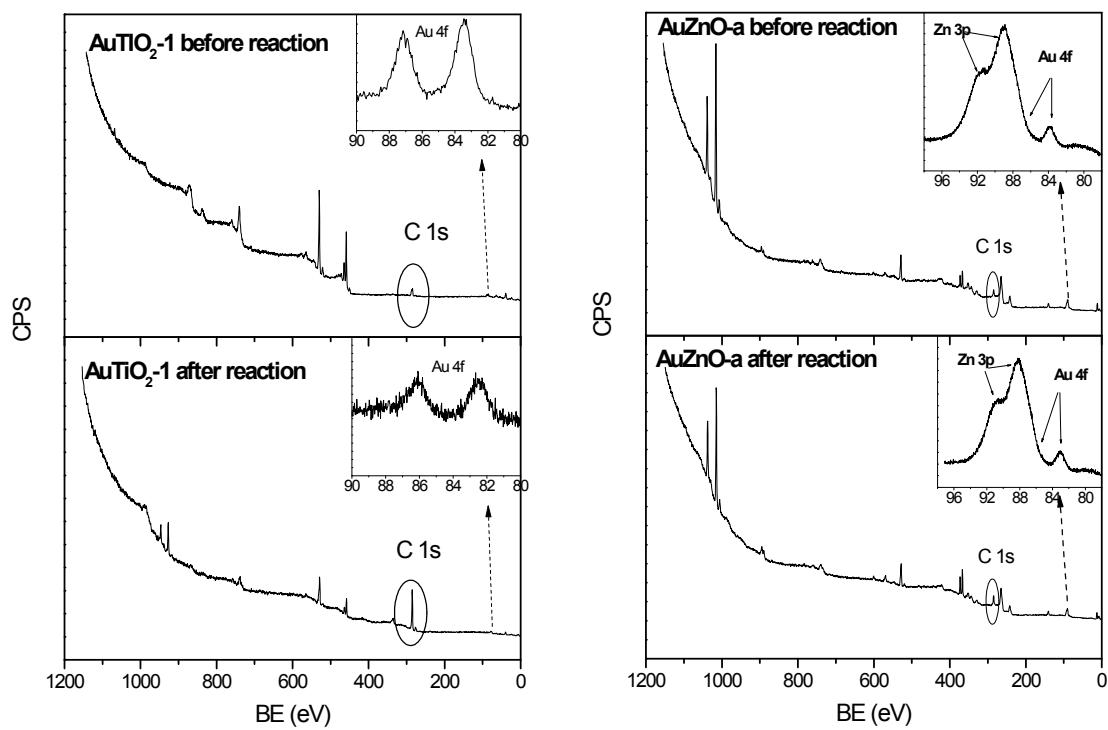


Fig. S3. XPS spectra of fresh and used AuTiO₂-1 and AuZnO-a samples