

SUPPLEMENTARY INFORMATION

TiO₂-supported heteropolyacid catalysts for methanol dehydration to dimethyl ether: relevance of dispersion and support interaction.

Rosa María Ladera, Manuel Ojeda, José Luis G. Fierro and Sergio Rojas

Fig. S1. X-ray photoelectron spectra of the W 4f core-level region for a) HPW and xHPW/TiO₂; and b) HSiW and xHSiW/TiO₂.

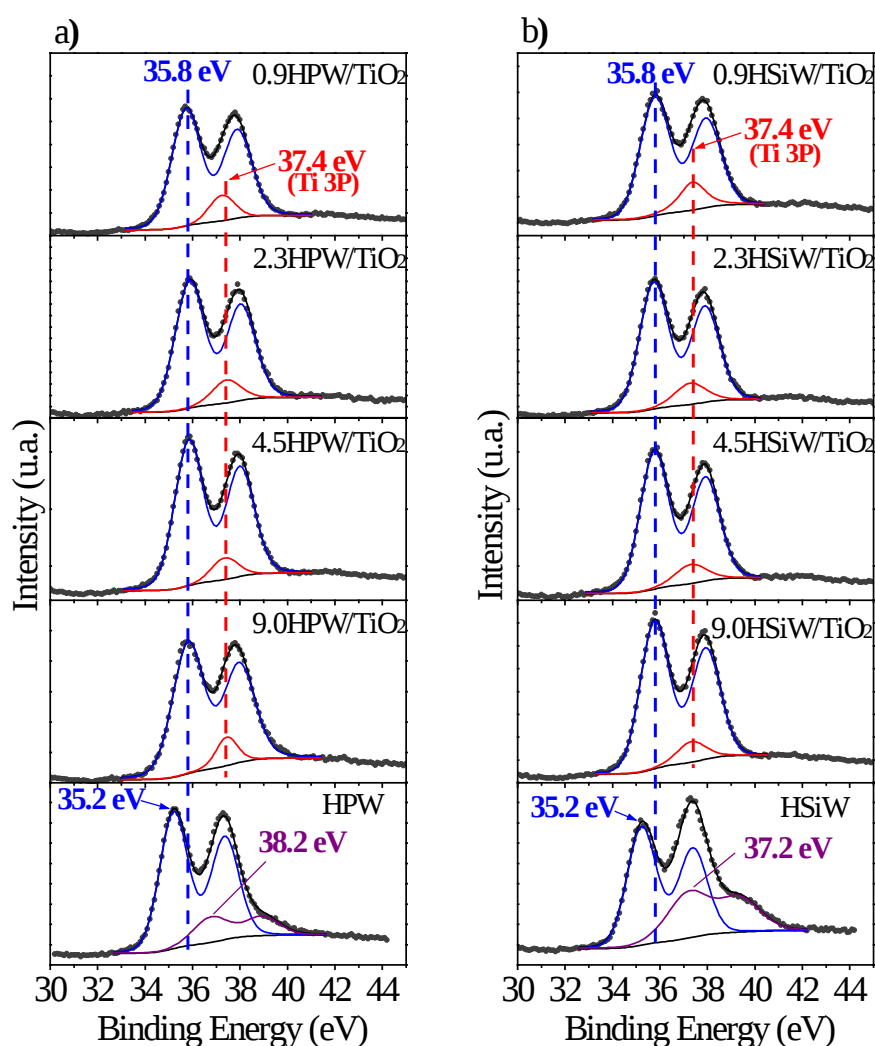


Fig. S2. a) TGA and b) DTG profiles of bulk and supported HPW catalysts

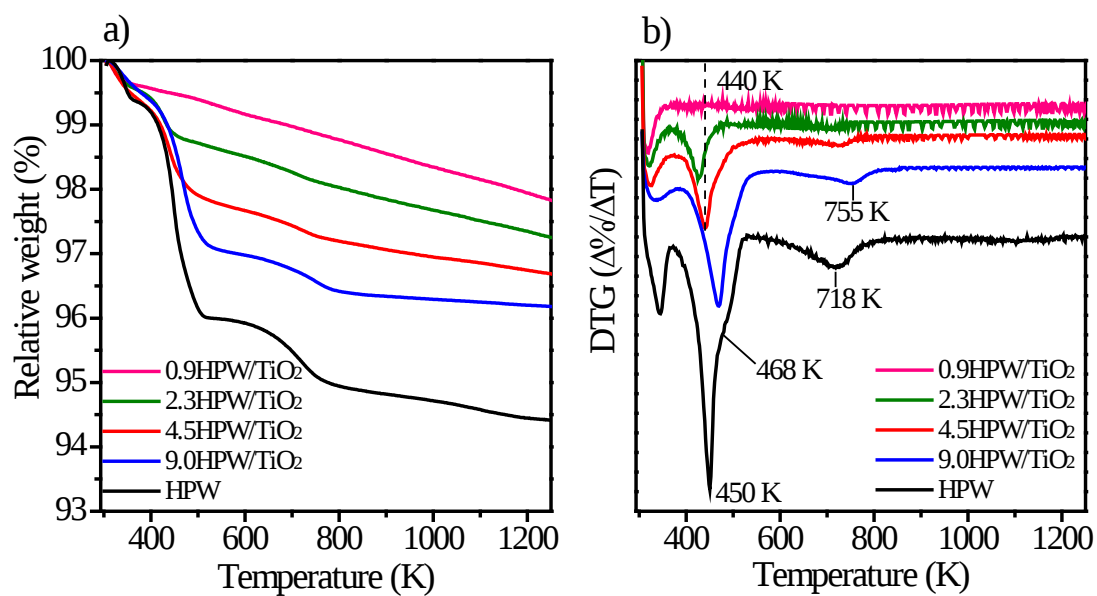


Fig. S3. a) TGA and b) DTG profiles of bulk and supported HSiW

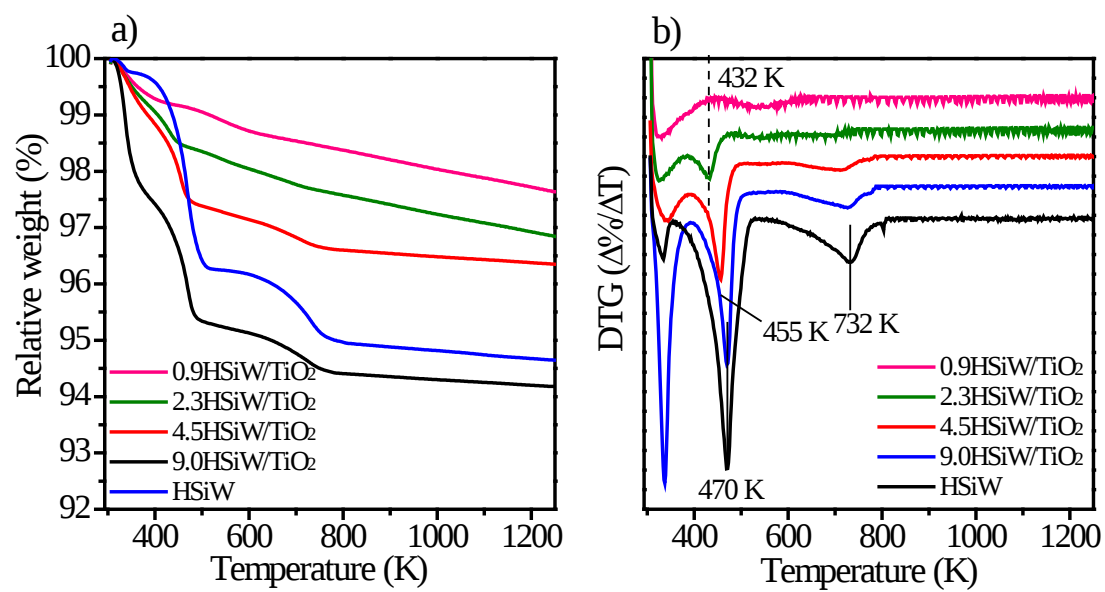


Fig. S4. First (black line) and second (blue line) ammonia adsorption isotherms recorded at 373 K and amount of NH_3 chemisorbed (red dotted line for) a) HPW and xHPW/TiO_2 ; and b) HSiW and $\text{xHSiW}/\text{TiO}_2$. The

