

Figure S1. Comparison of the diffraction parameters of the TiO_2/C material and of the TiC JCPDS and of the anatase and rutile phases of titanium oxide.

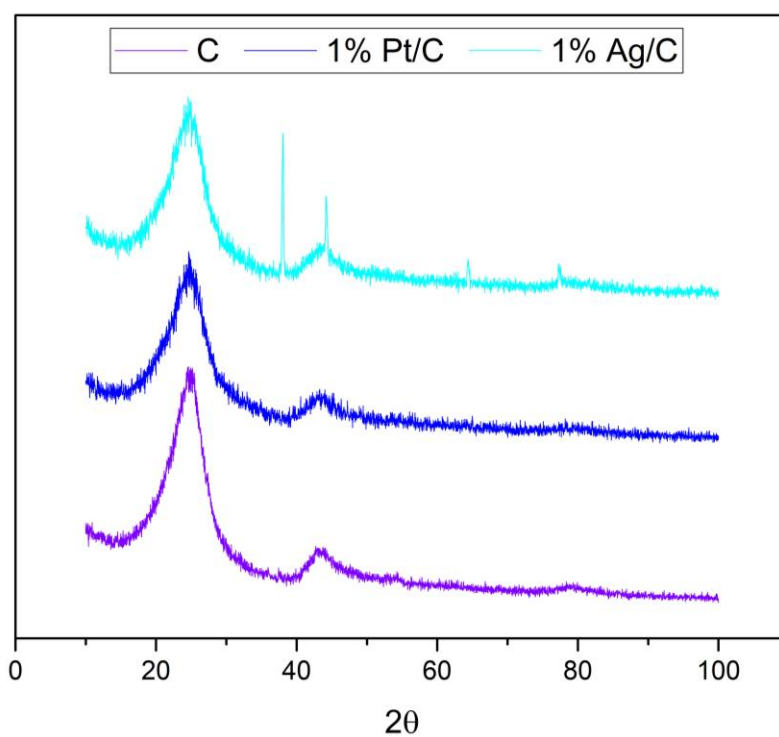


Figure S2. Diffraction parameters of M/C and C materials.

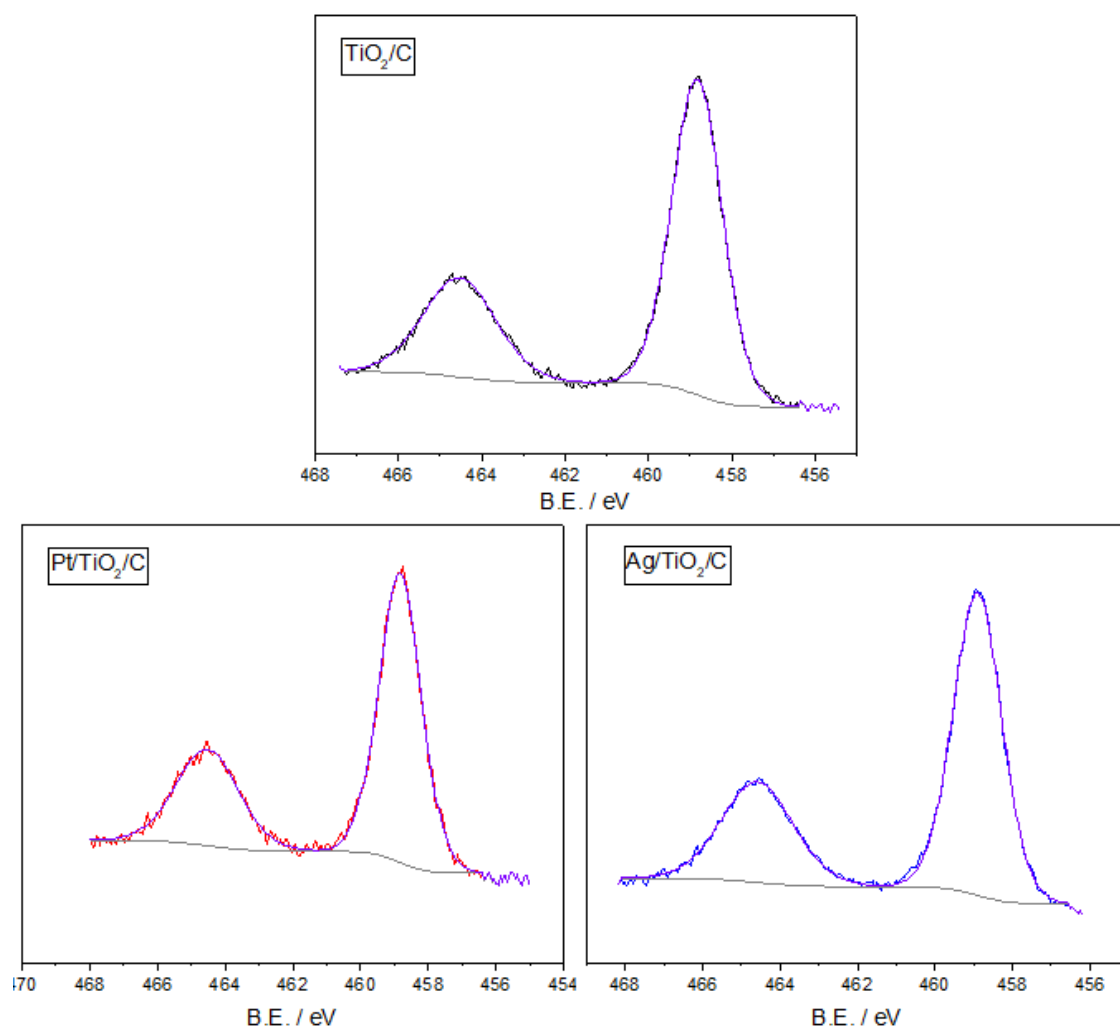


Figure S3. Adjustment of the Ti 2p spectra for TiO₂/C, 1% Pt/TiO₂/C and 1% Ag/TiO₂/C catalysts.

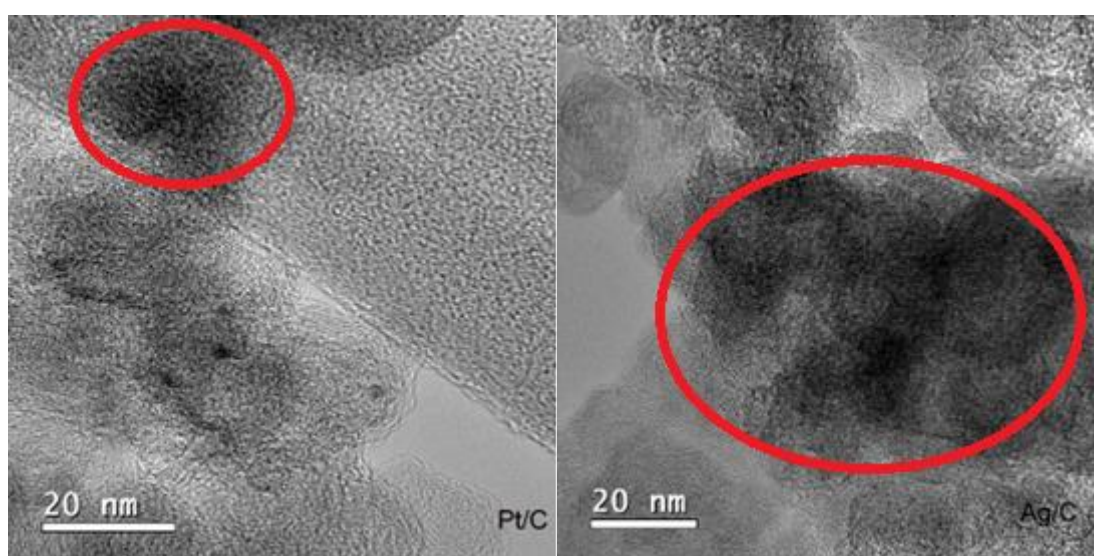


Figure S4. HR-TEM images obtained for 1% Pt/C (left) and 1% Ag/C (right).

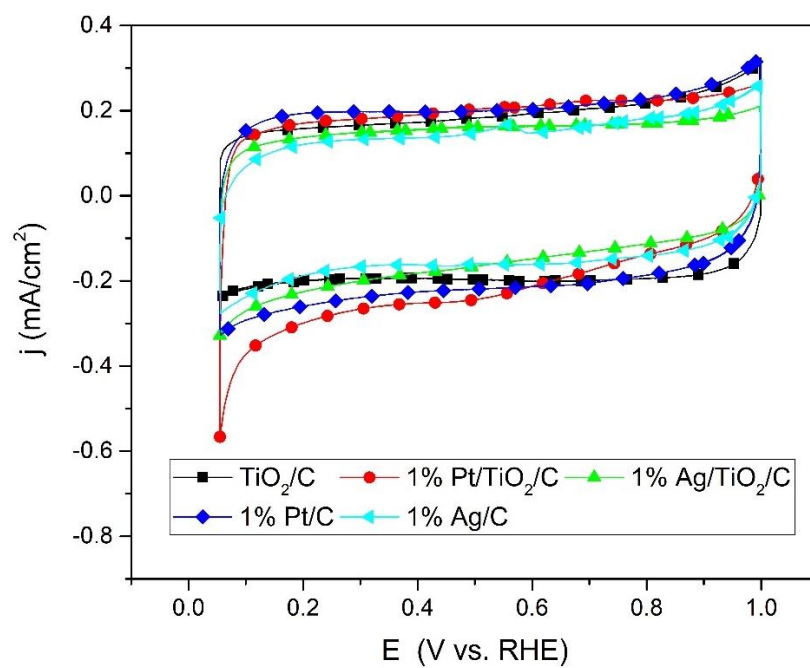


Figure S5. Cyclic voltammetry curves for M/ TiO_2 /C and M/C catalysts in 0.5 M H_2SO_4 at 50 mV s^{-1} .

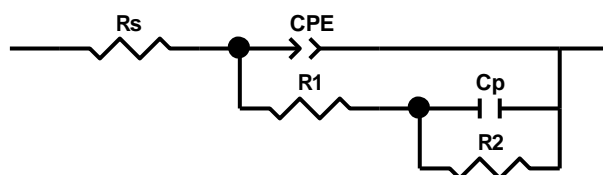


Figure S6. Electric equivalent circuit (EEC) model proposed by Armstrong and Henderson.

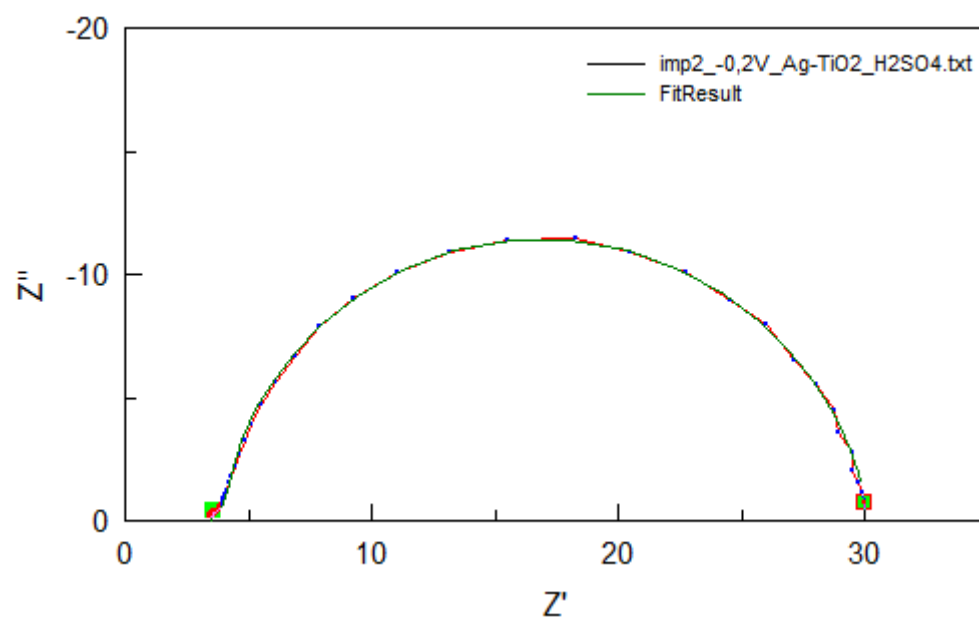


Figure S7. Adjustment of impedance spectroscopy of Ag/TiO₂/C.