*materials*

MDPI

*Supplementary Materials*

# Laser-based Synthesis of $TiO_2$-Pt Photocatalysts for Hydrogen Generation

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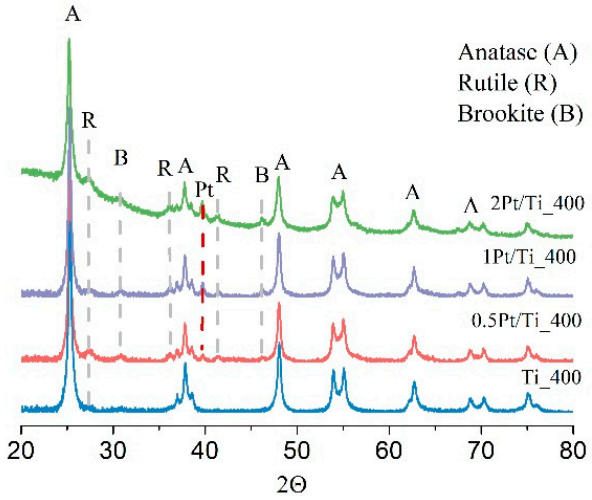


**Figure S1.** XRD pattern of dark titania samples doped with platinum.

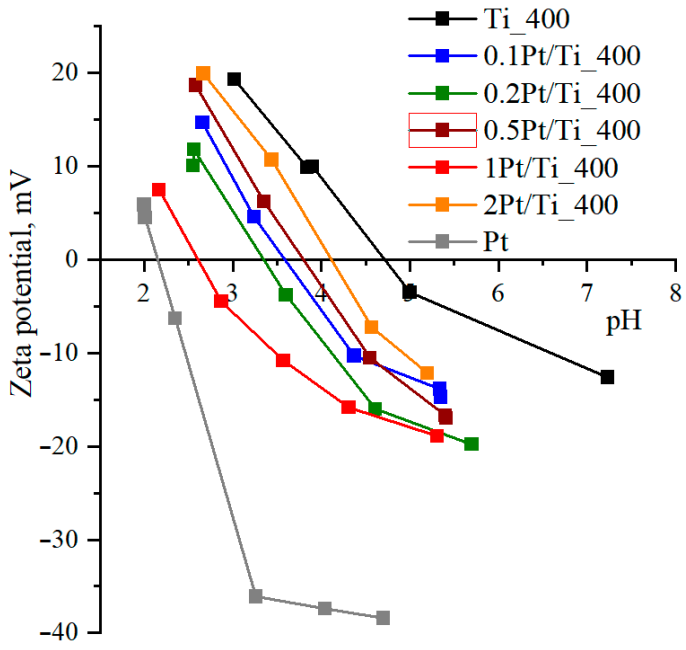


**Figure S2.** Dependence of the zeta potential of the particles on the pH of the suspension.

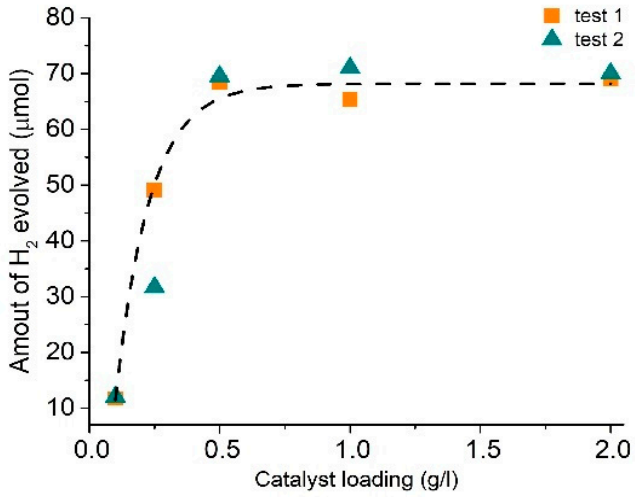


**Figure S3.** The effect of the catalyst loading for Ti_400 and glycerol as a sacrificial agent.

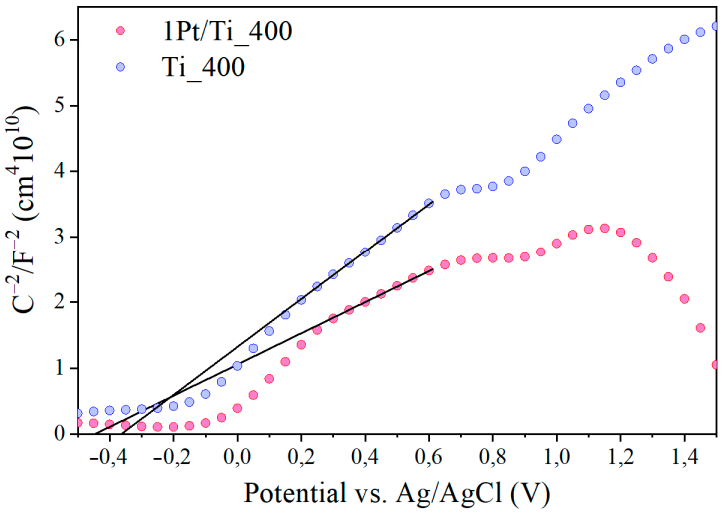


**Figure S4.** Mott–Schottky plots for Ti_400 and 1Pt/Ti_400 obtained in 0.1 M $Na_2SO_4$ electrolyte (pH 6.42).