

Supporting Information

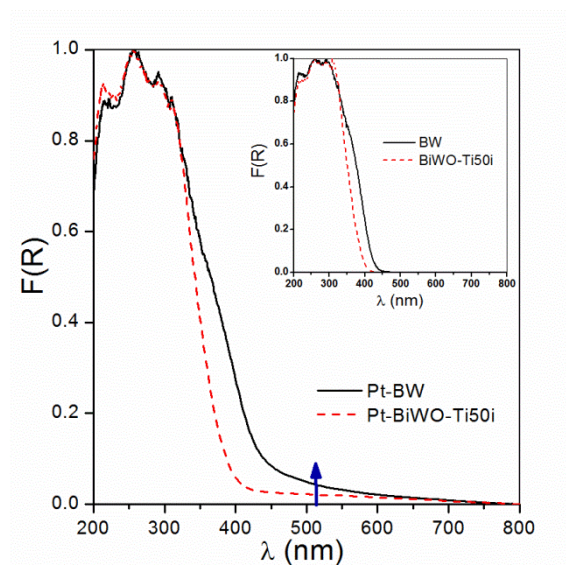


Figure S1. UV-vis diffuse reflectance spectra of the platinised photocatalysts. In the inset, the corresponding spectra of the non-platinised materials.

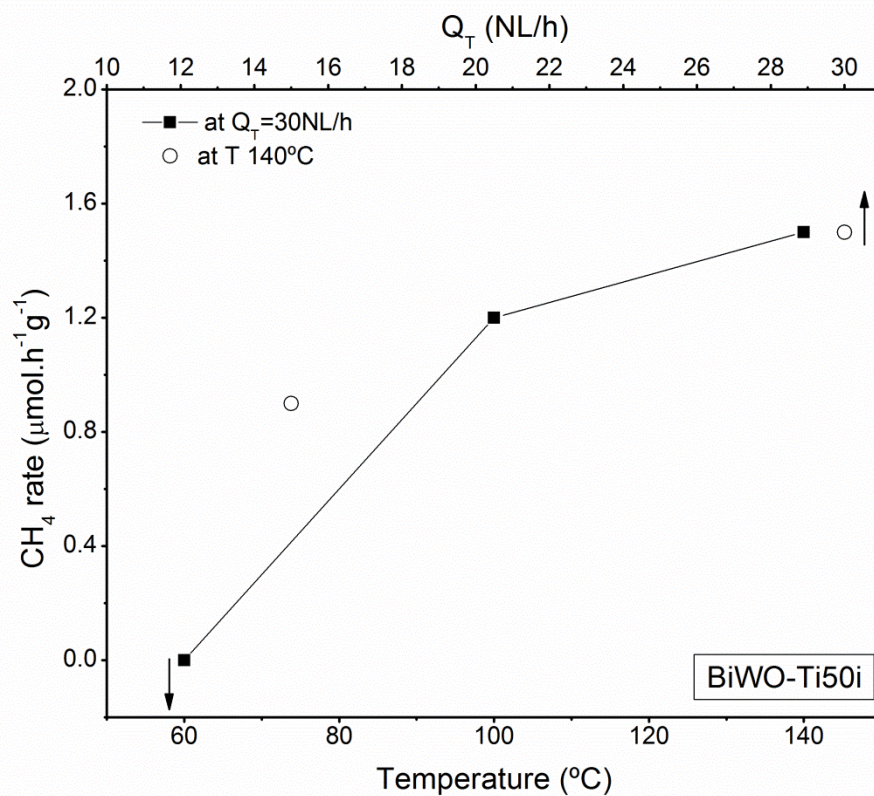


Figure S2. Preliminary tests with BiWO-Ti50i at different temperature (black) and total volume flow (white) conditions.

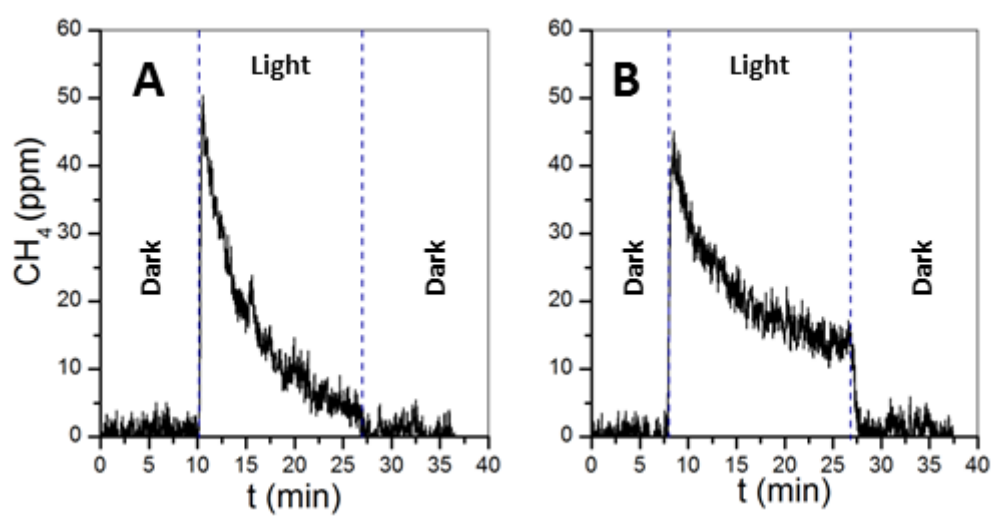


Figure S3. Evolution of the CH_4 signal during the photocatalytic tests with Pt-BiWO-Ti50i without (A) and with blue phosphors (B).