

Supplementary materials:

Band gap implications on nano-TiO₂ surface modification with ascorbic acid for visible light-active polypropylene coated photocatalyst

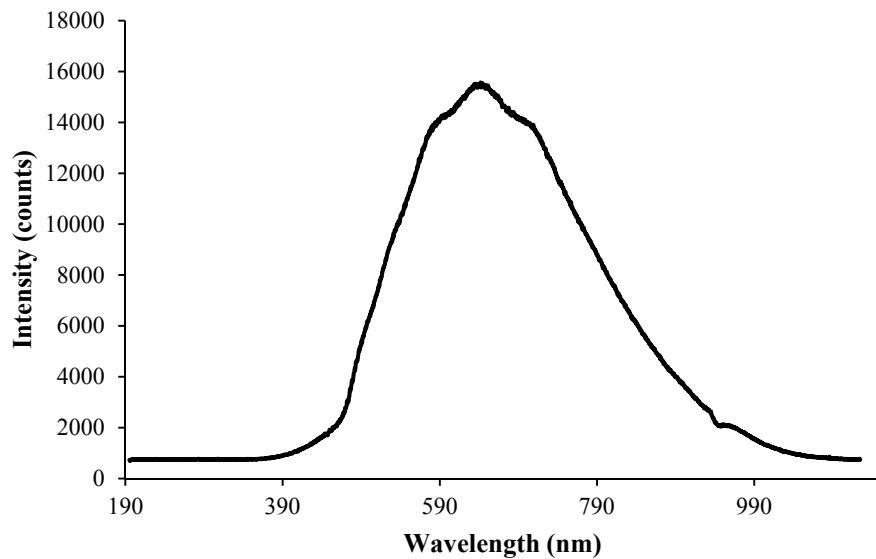


Figure S1. Emission spectrum of tubular lamp (100W, 1800 Lumen, LYVIA).

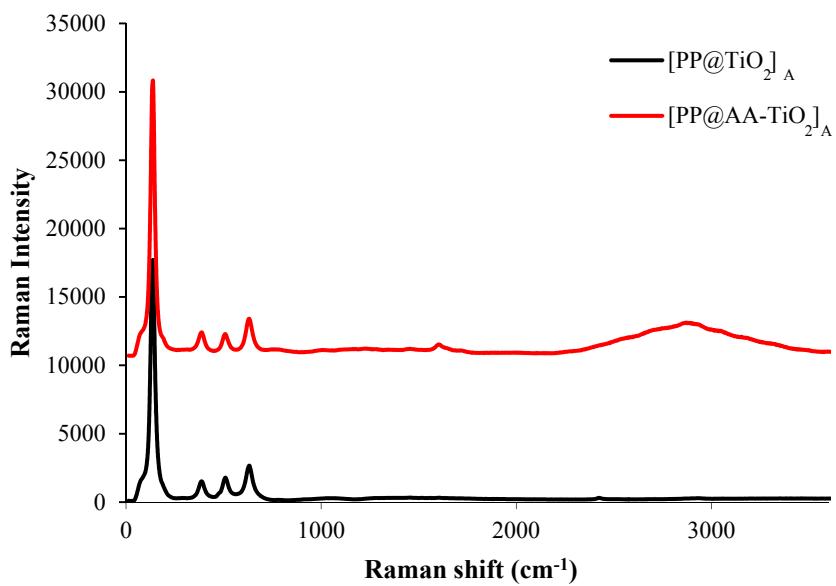


Figure S2. Raman spectra of [PP@TiO₂]_A and [PP@AA-TiO₂]_A containing 2.5 wt % of AA.

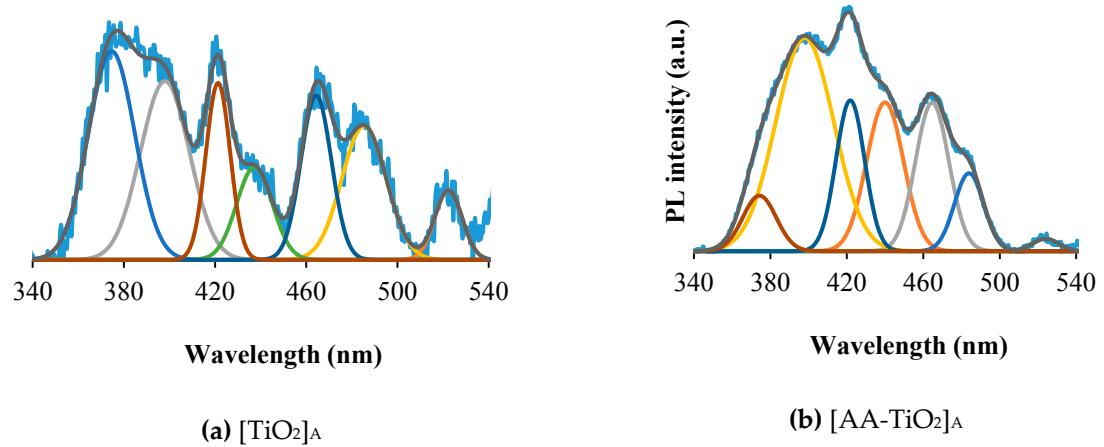


Figure S3. Gaussian fitted PL spectra of $[\text{TiO}_2]_A$ **(a)** and $[\text{AA}-\text{TiO}_2]_A$ **(b)**, dotted line: fitting of deconvolution study.