

Supplementary Information

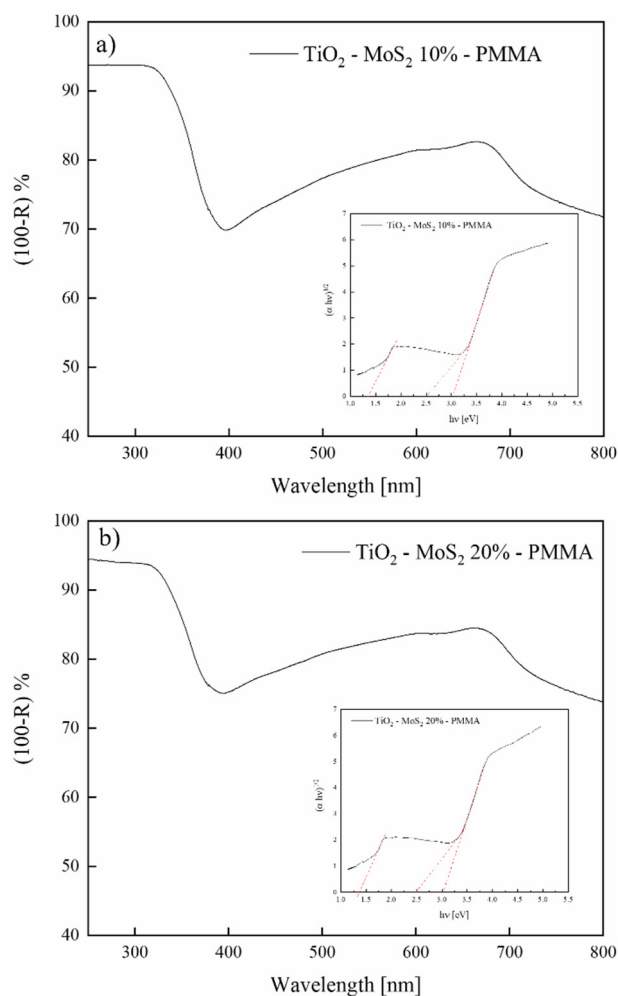


Figure S1. (100-Reflectance)% spectra of TiO_2 - 10% MoS_2 - PMMA (a), and TiO_2 - 20% MoS_2 - PMMA (b) sample. The insets of the figures show the Tauc-plots (continuous line) and the relative fit (dashed line) for all the samples.

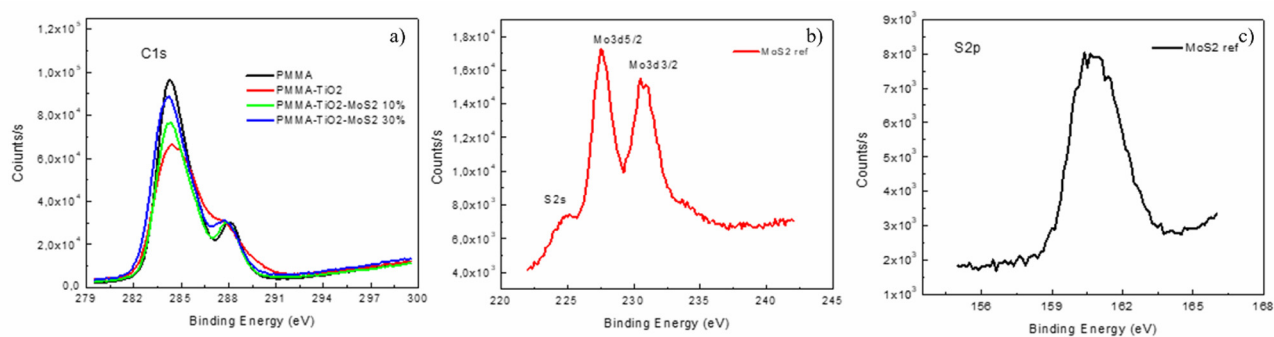


Figure S2: XPS spectra recorded for (a) C1s for all studied samples; (b) Mo3d for the commercial MoS_2 ; (c) S2p for the commercial MoS_2 .