

Supplementary Materials

Rice Crust-Like ZnO/Ti₃C₂T_x MXene Hybrid Structures for Improved Photocatalytic Activity

Qui Thanh Hoai Ta, Nghe My Tran and Jin-Seo Noh*

Department of Physics, Gachon University, 1342 Seongnamdaero, Sujeong-gu, Seongnam-si, Gyeonggi-do 13120, Korea; tathanhhoaiqui2292@gmail.com (Q.T.H.T.); mynghesph36@gmail.com (N.M.T.)

* Correspondence: jinseonoh@gachon.ac.kr; Tel.: +82 317505611

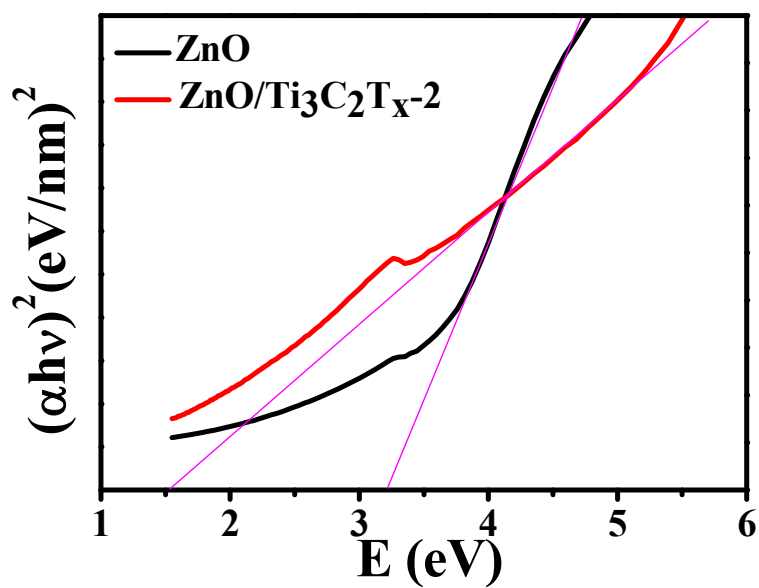


Figure S1. Tauc plots for pure ZnO and ZnO/Ti₃C₂T_x-2 hybrid structure.

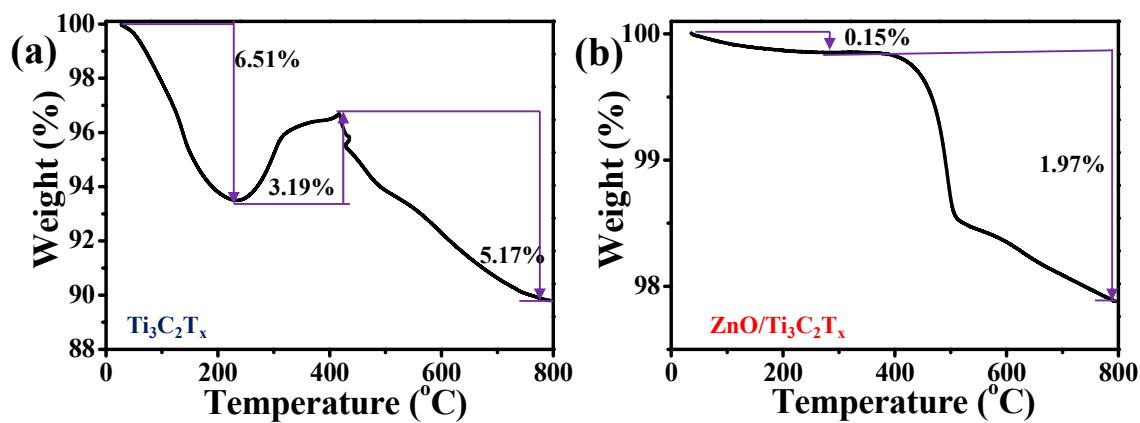


Figure S2. TGA curves of (a) pure Ti₃C₂T_x MXene and (b) ZnO/Ti₃C₂T_x-2 hybrid structure obtained from testing in an ambient atmosphere.

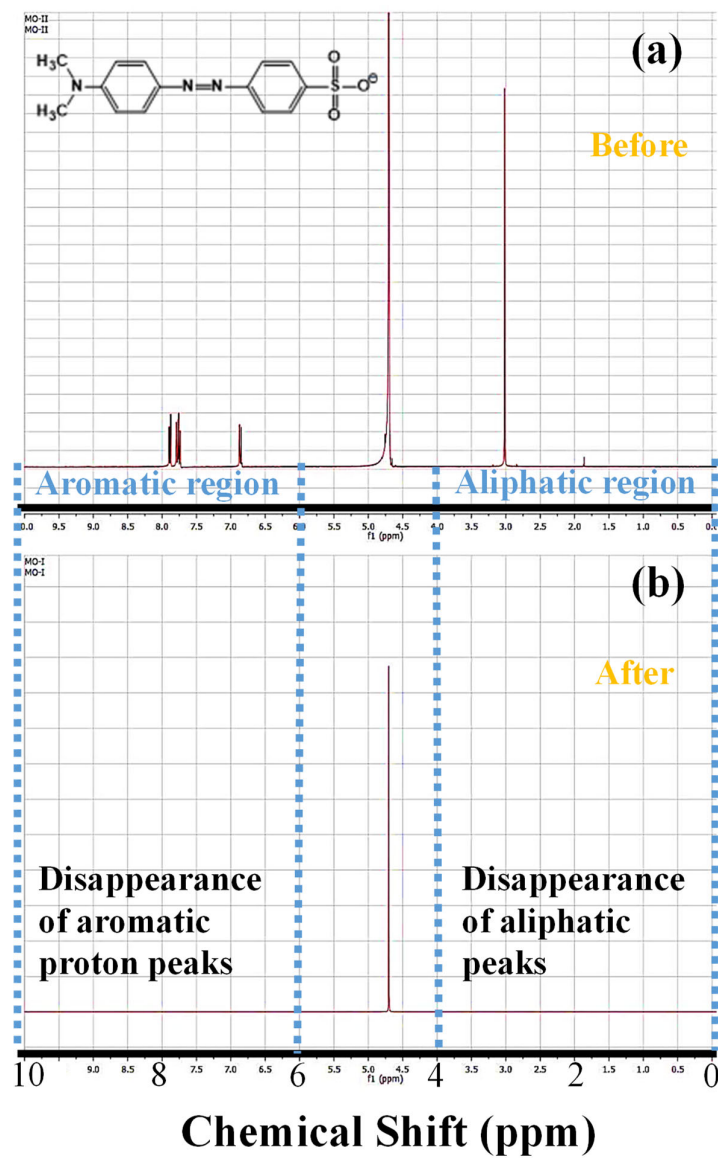


Figure S3. ^1H NMR spectra of MO in D_2O before and after 50 min of light irradiation.