catalysts

MDPI

Supplementary Materials

Correlation between Photocatalytic Properties of ZnO and Generation of Hydrogen Peroxide—Impact of Composite ZnO/TiO_2 Rutile and Anatase

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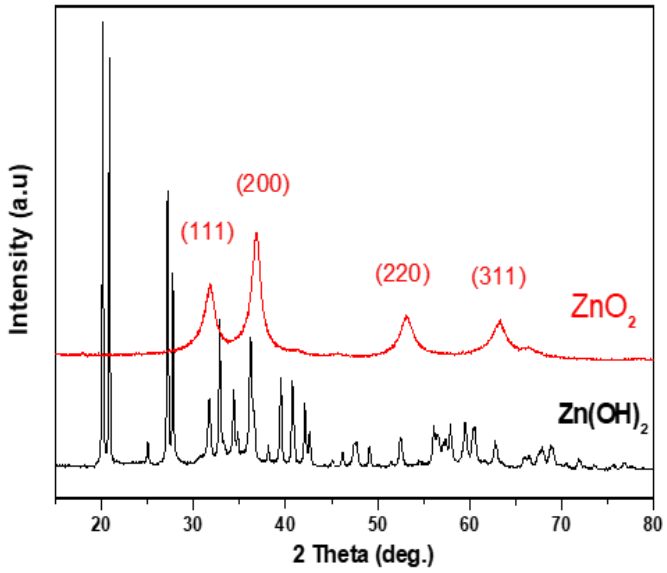

Figure S1. X-ray diffraction (XRD) patterns of elaborated precursors $Zn(OH)_2$ and ZnO_2.

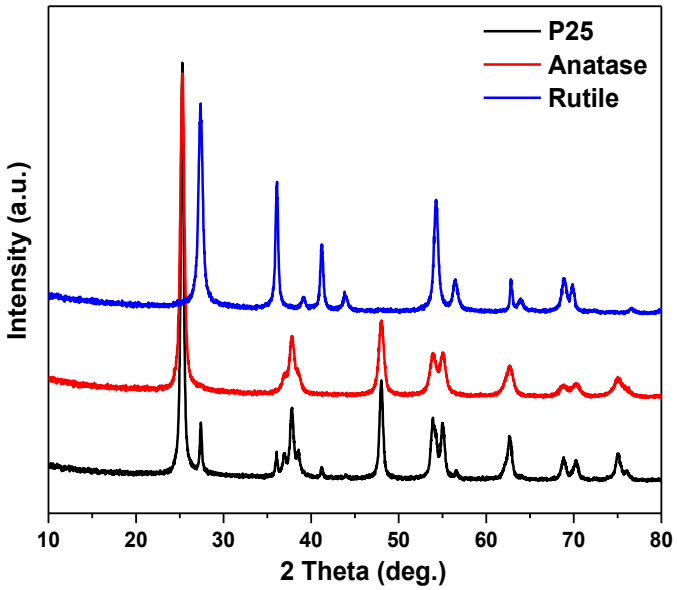

Figure S2. X-ray diffraction patterns of commercial TiO_2 (P25, anatase, and rutile).

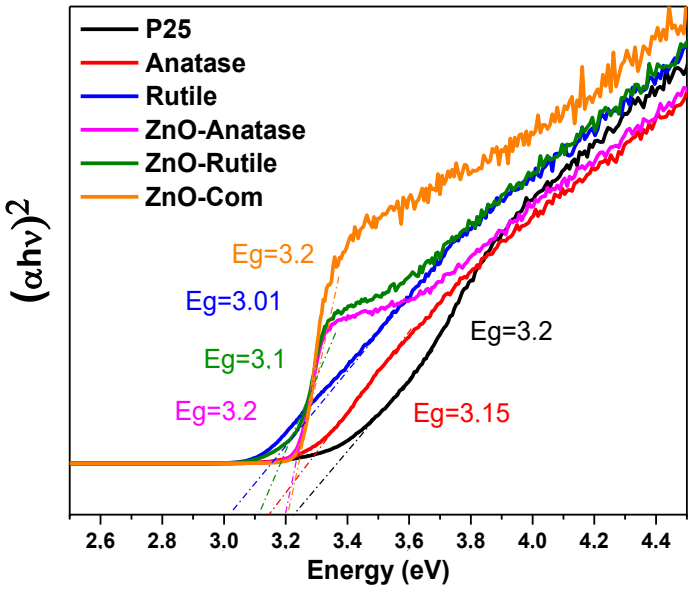

Figure S3. Bandgap determination for TiO_2 samples, commercial ZnO as a reference, and composite (ZnO-Anatase and ZnO-Rutile).

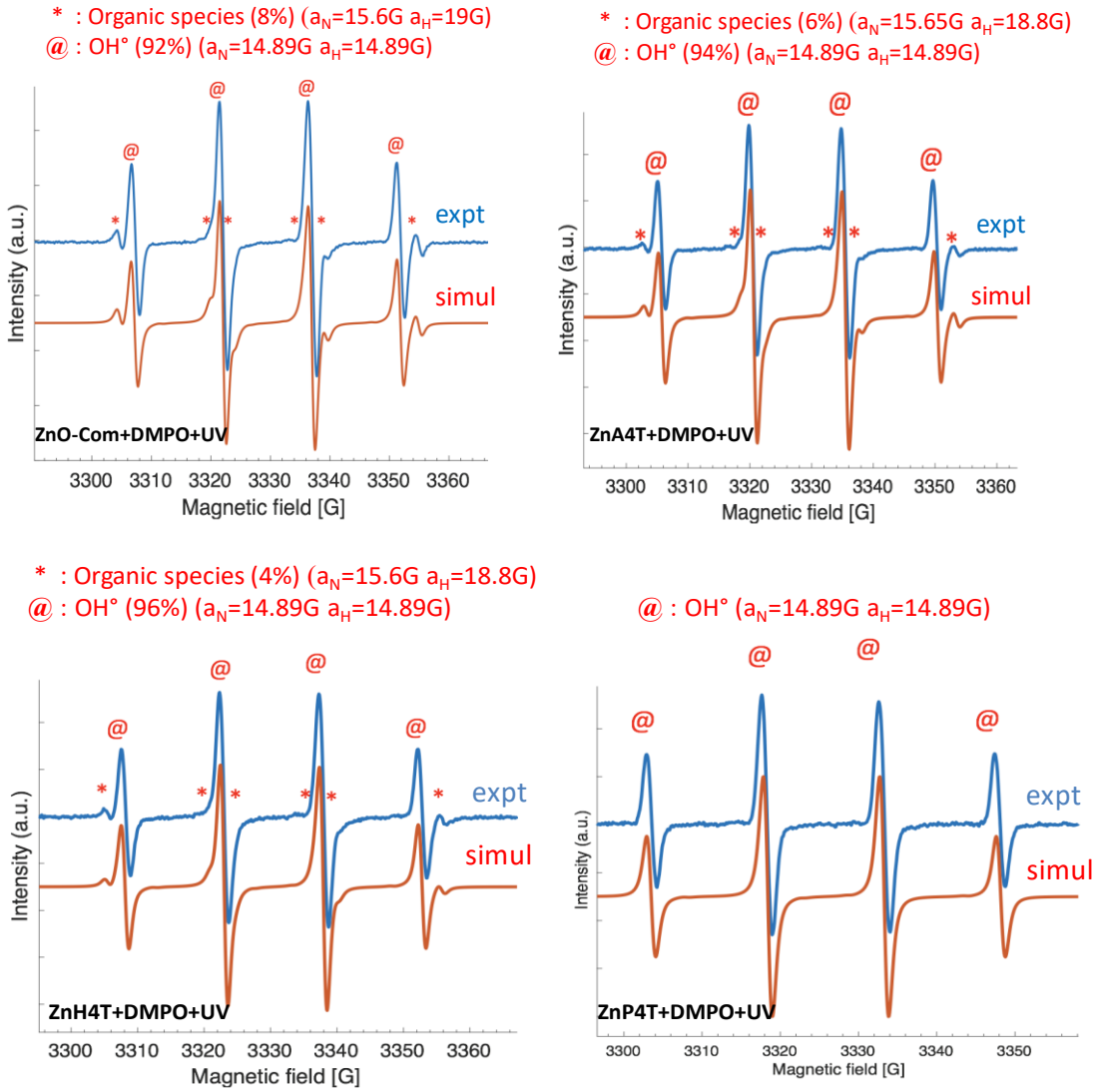

Figure S4. EPR spectra (Experimental and simulation) of the different ZnO.

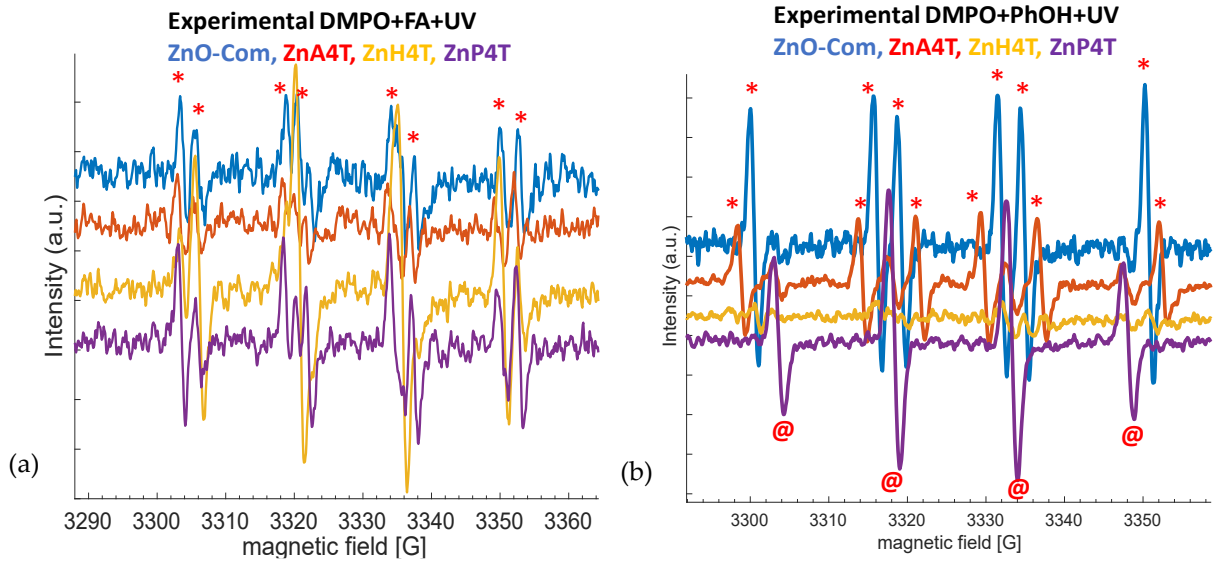

Figure S5. EPR spectra of ZnO photocatalysts in presence of DMPO-Formic acid (**a**) and DMPO-Phenol (**b**). (*: organic species; @: OH° radicals).

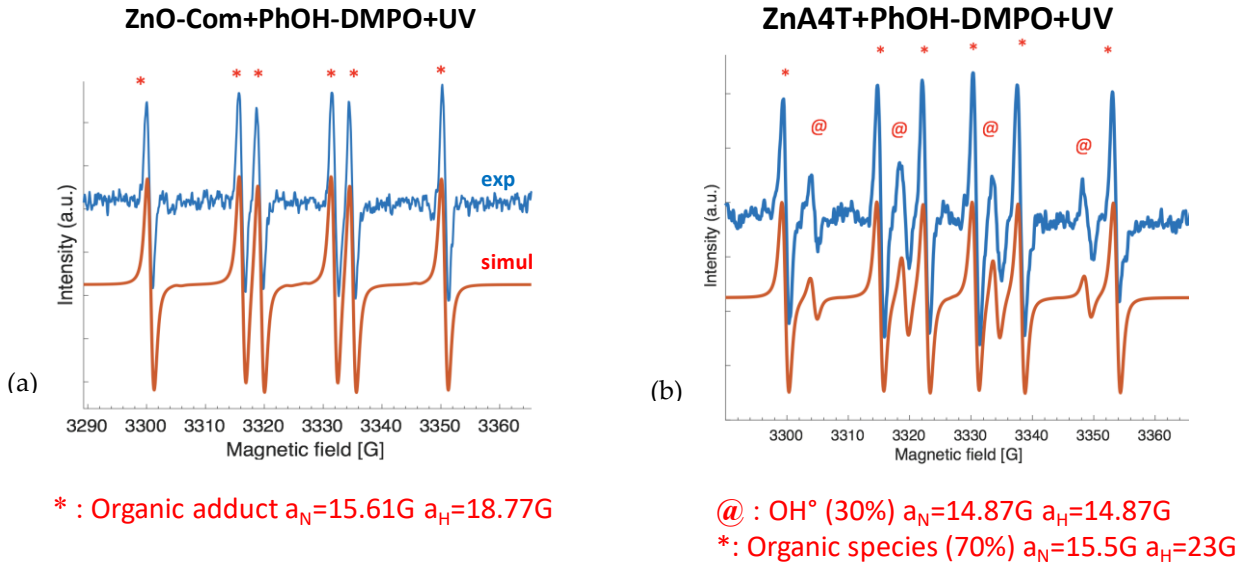

Figure S6. EPR spectra (Experimental and simulation) of DMPO-Phenol in the presence of commercial ZnO (**a**) and ZnA4T (**b**).

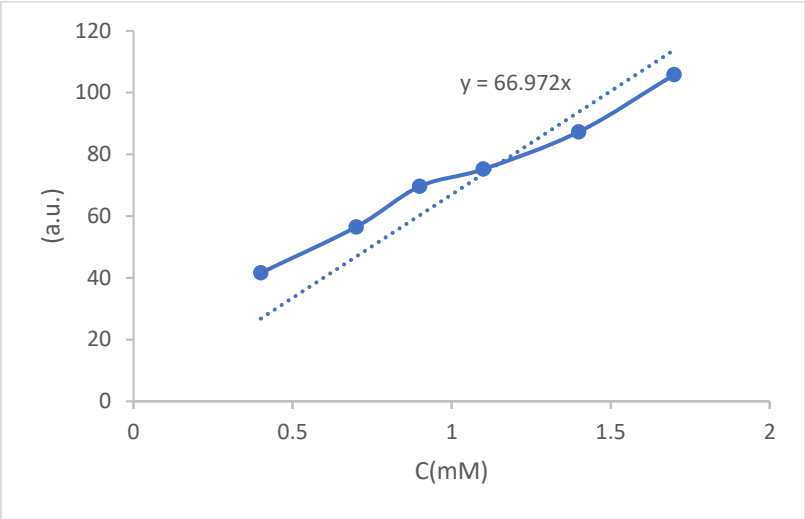

Figure S7. Calibration curve of OH° radicals obtained with DMPO.