

Supporting Information

Tungsten Trioxide and its TiO₂ Mixed Composites for the Photocatalytic Degradation of NO_x and Bacteria (*Escherichia coli*) Inactivation

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Table S1. The EDS analysis.

Sample	Ti (mass %)	W (mass %)	TiO ₂ (mass %)	WO ₃ (mass %)
WO ₃ @TiO ₂ _20	68.63	31.38	74.30	25.70
WO ₃ @TiO ₂ _20*	96.50	3.50	97.33	2.67

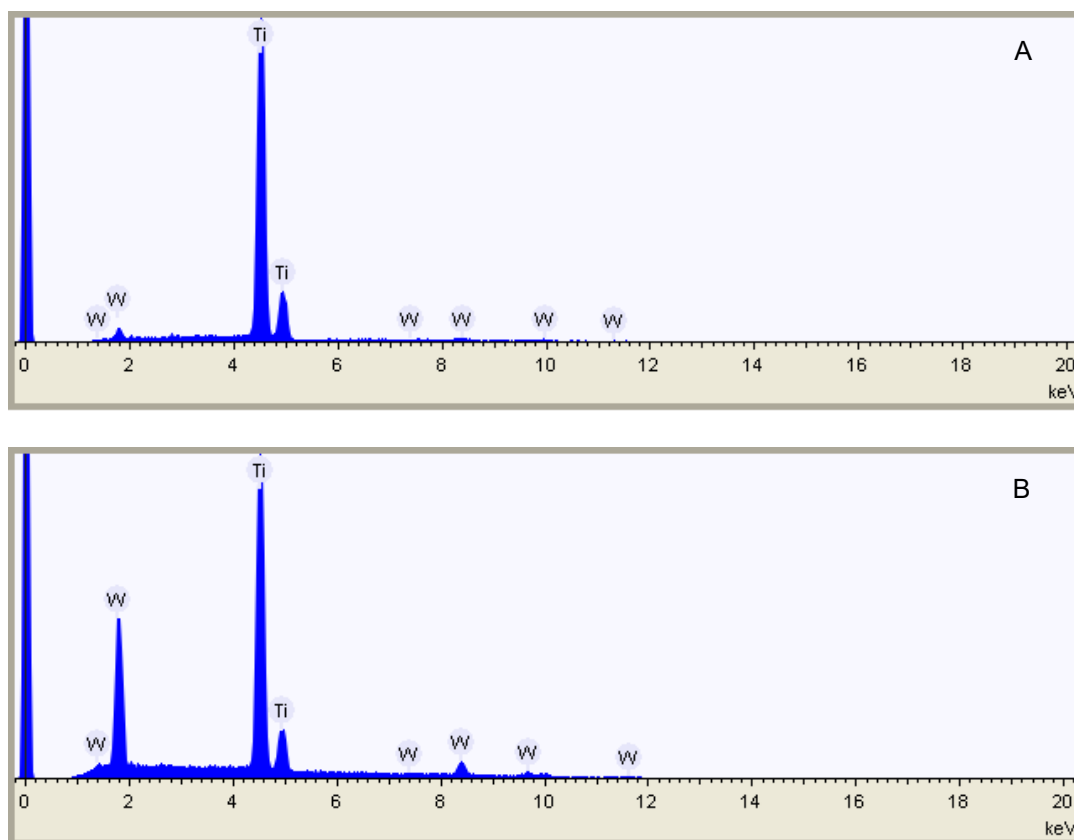


Figure S1. EDX spectrum of (A) WO₃@TiO₂_20* and (B) WO₃@TiO₂_20.

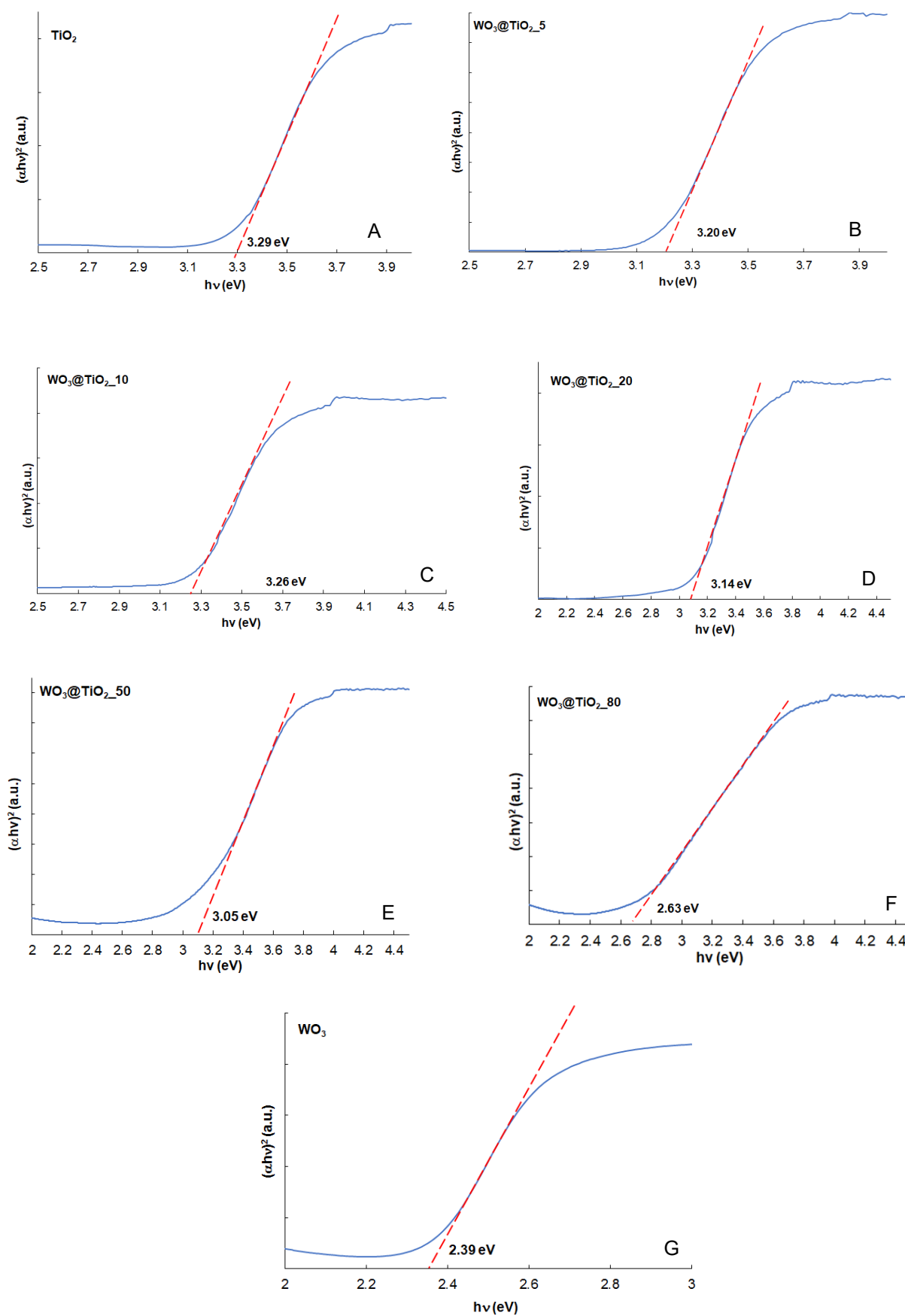


Figure S2. Tauc plot of TiO_2 (A), $\text{WO}_3/\text{TiO}_2_{5}$ (B), $\text{WO}_3/\text{TiO}_2_{10}$ (C), $\text{WO}_3/\text{TiO}_2_{20}$ (D), $\text{WO}_3/\text{TiO}_2_{50}$ (E), $\text{WO}_3/\text{TiO}_2_{80}$ (F), WO_3 (G).

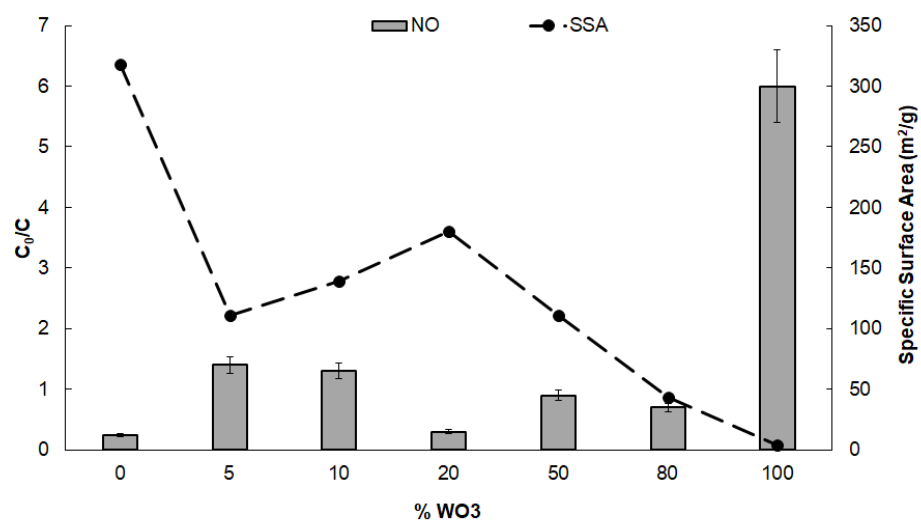


Figure S3. Dependence of WO_3 content (%) in the composites versus and NO production.