Supplementary Materials

Microwave-Assisted Synthesis of BiOI for Solar-Driven Environmental Remediation

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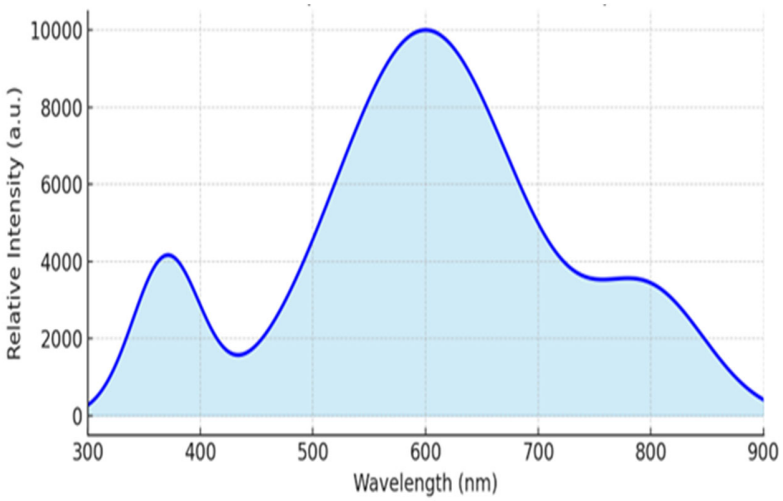


Figure S1. Emission spectrum of the Xe lamp (VIPHID 6000 K, 12 V, 35 W) used during the photocatalytic degradation of gallic acid in the aqueous phase.

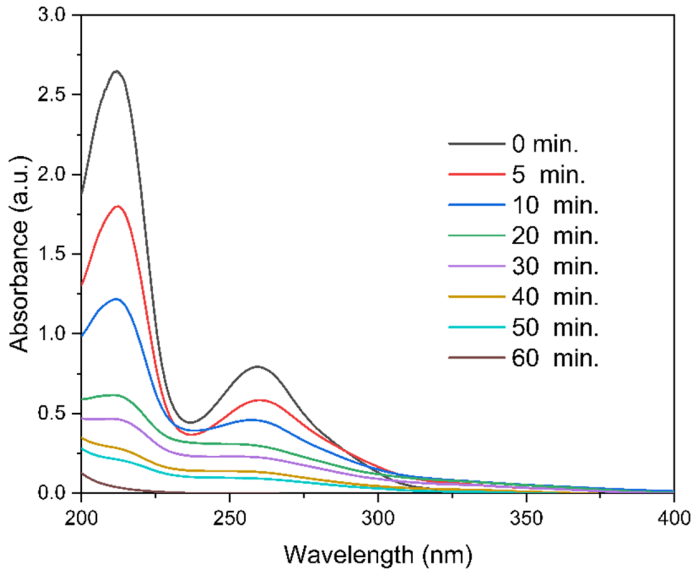


Figure S2. UV-Vis absorption spectra of gallic acid (10 ppm) during photocatalytic degradation with BiOI microspheres synthesized via solvothermal method (126 °C and 18 h). The spectra show a consistent decrease in absorbance at 264.5 nm over time (0–60 min).

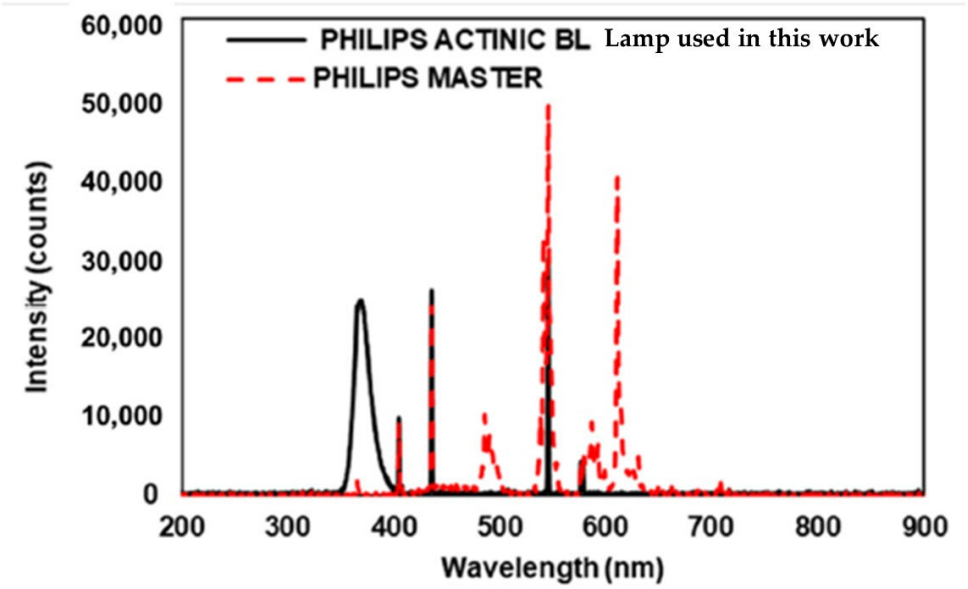


Figure S3. Emission spectrum of the UV-Visible LED (**360 to 740nm**) lamp **Philips Actinic BL**, DELIGHT SPL-24 W, MidView, Singapore (**line color black**) used during the gas-phase photooxidation of nitric oxide (NO) [94].