

**Supplementary material for:**

# **Sulphated TiO<sub>2</sub> Reduced by Ammonia and Hydrogen as An Excellent Photocatalyst for Bacteria Inactivation**

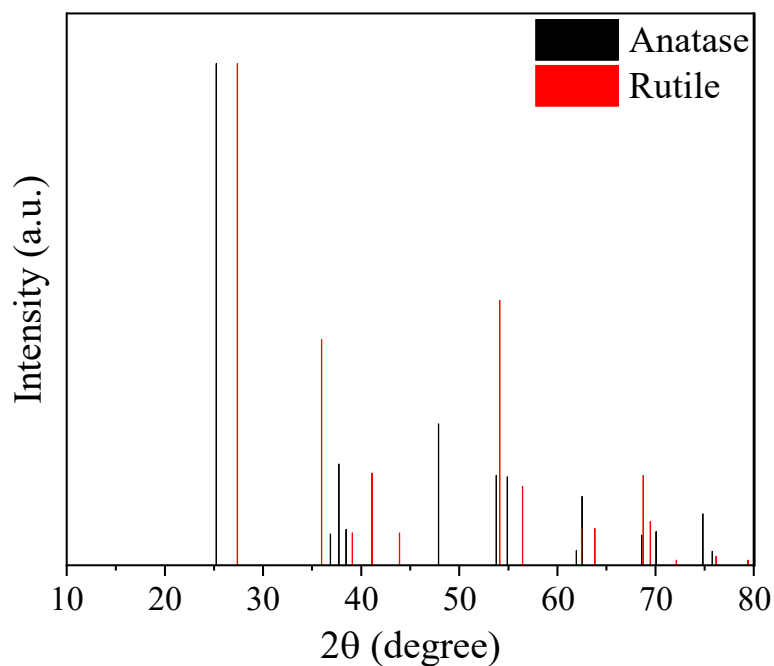
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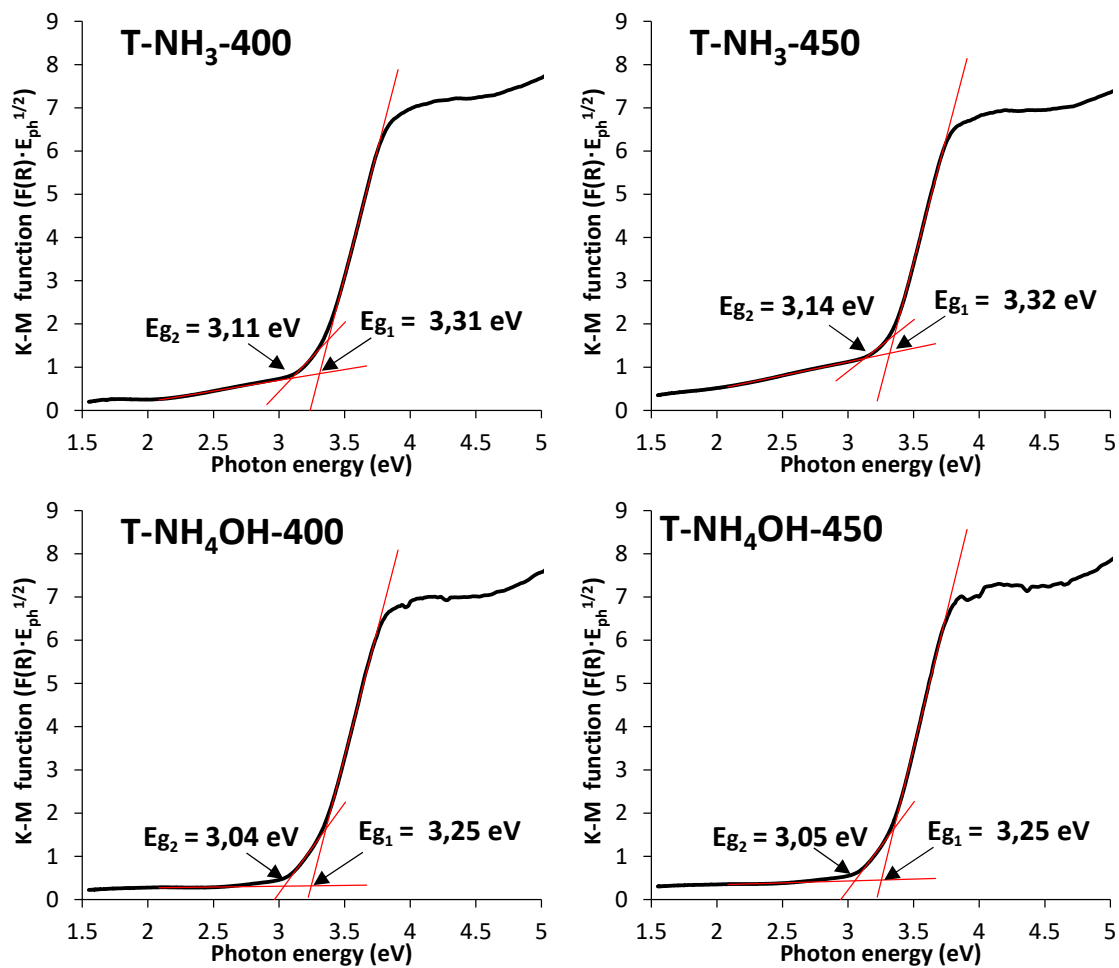
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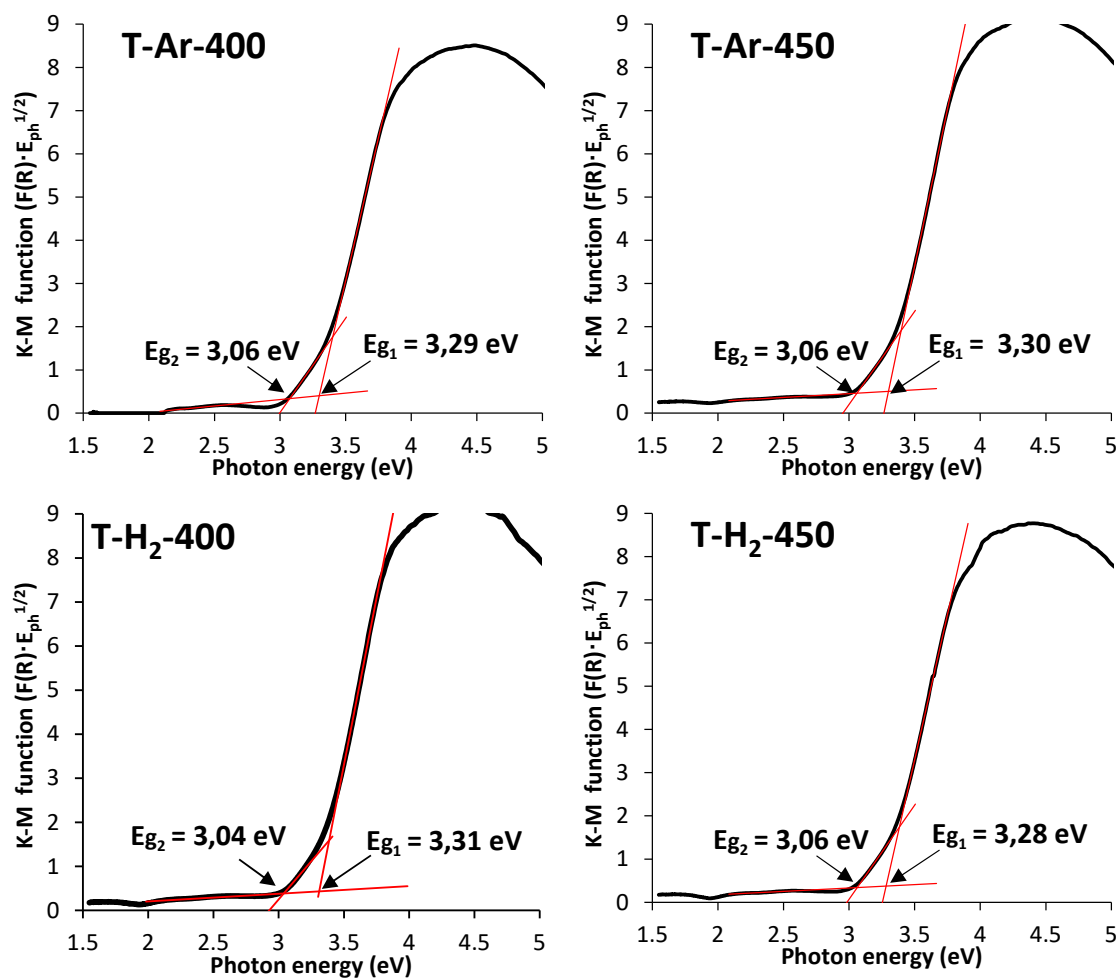
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**Figure S1.** XRD reference patterns of anatase (black pattern) and rutile (red pattern)





**Figure S2.** Kubelka-Munk graphs for band-gap values determination of TiO<sub>2</sub>-based photocatalysts heat-treated in 400-450 °C