

Supporting Information

**Hierarchical TiO₂ Nanohorns/Nanocrystalline Diamond Heterostructures
for Efficient Methylene Blue Photodegradation**

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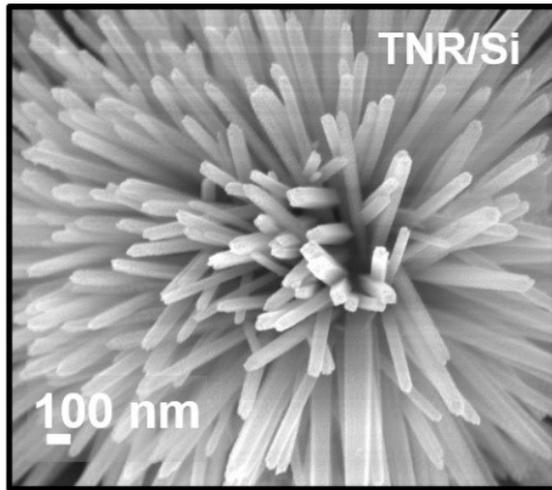


Figure S1. Plain view FESEM micrograph of TNR/Si.

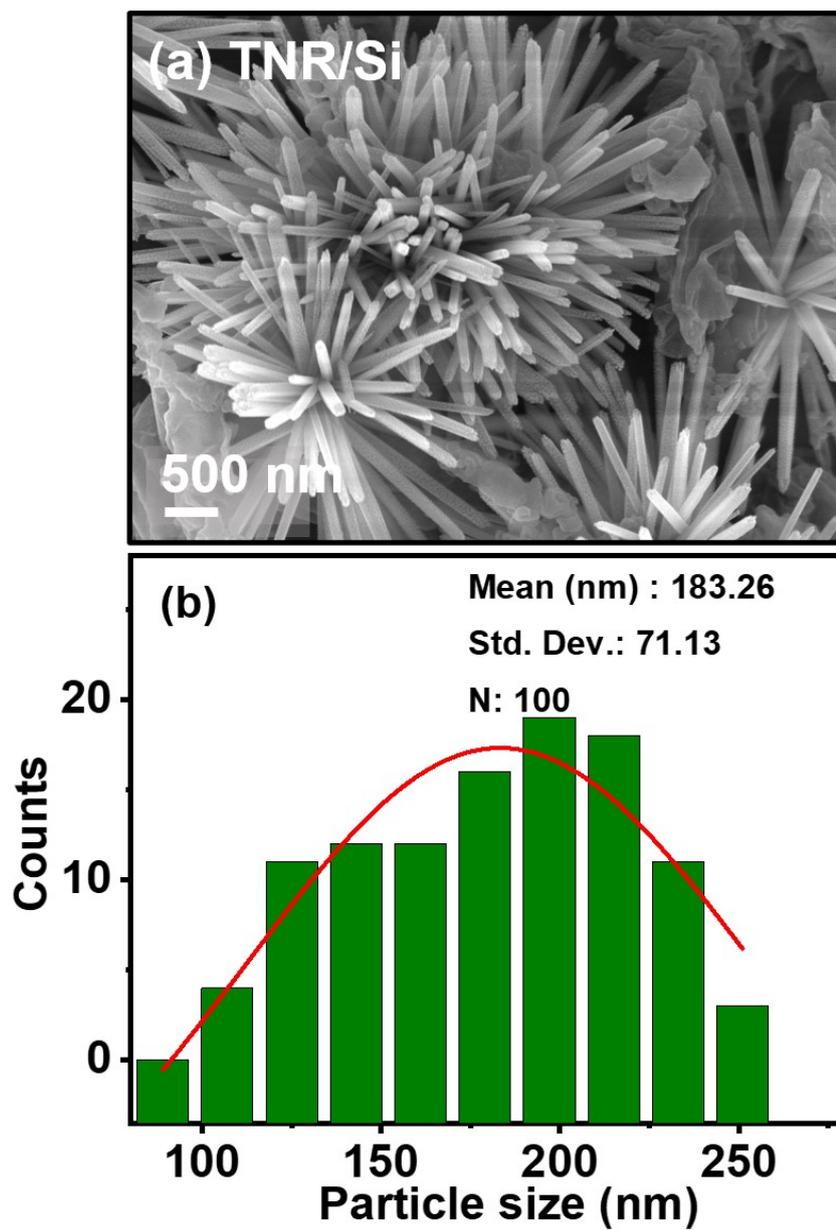


Figure S2. (a) Plain-view FESEM micrograph of TNR/Si, (b) Particle size distribution histograms obtained from FESEM images using ImageJ for TNR/Si

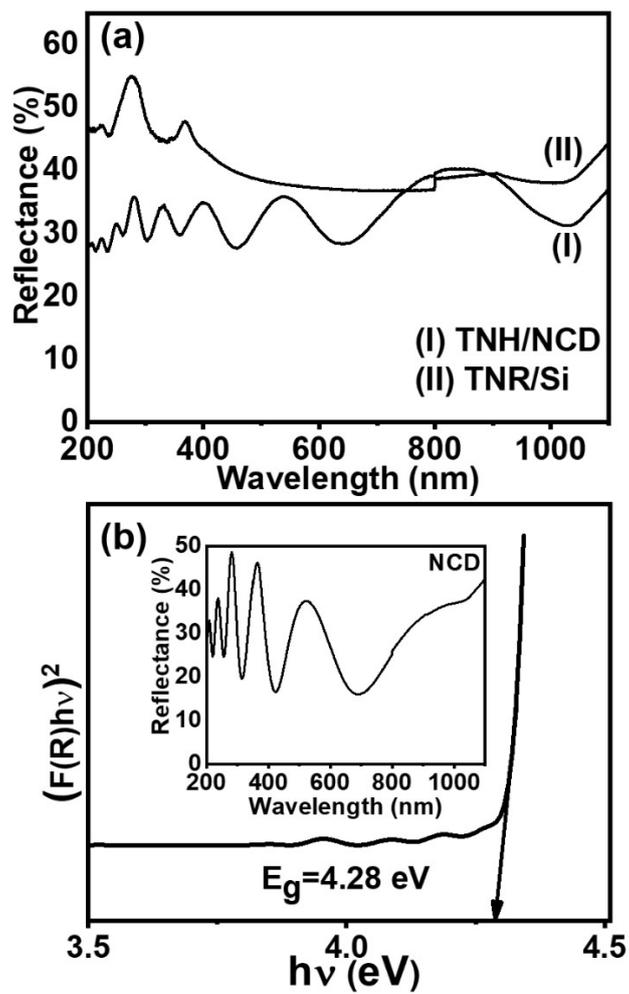


Figure S3. a) UV-vis diffuse reflectance spectra of (I) TNH/NCD heterostructure and (II) TNR/Si, b) The estimation of the optical bandgap of NCD, the inset of b) UV-vis diffuse reflectance spectrum of NCD.