

Supplementary Materials

An Accurate Growth Mechanism and Photocatalytic Degradation Rhodamine B of Crystalline Nb₂O₅ Nanotube Arrays

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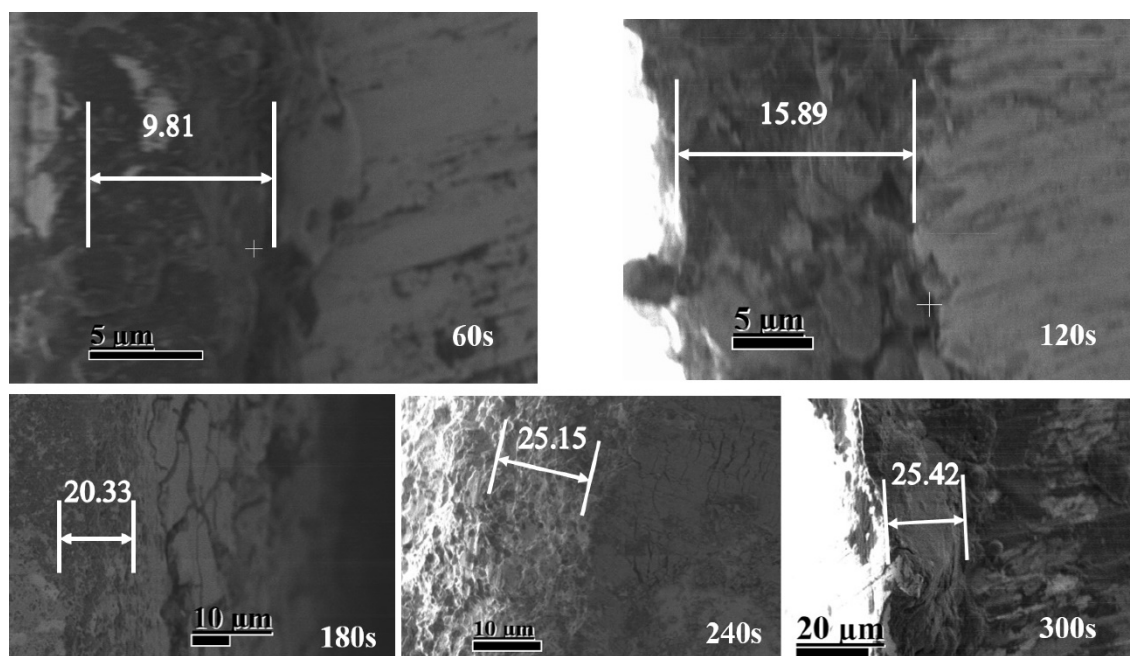


Figure S1. SEM images for the thickness of the oxide layer in stage II.

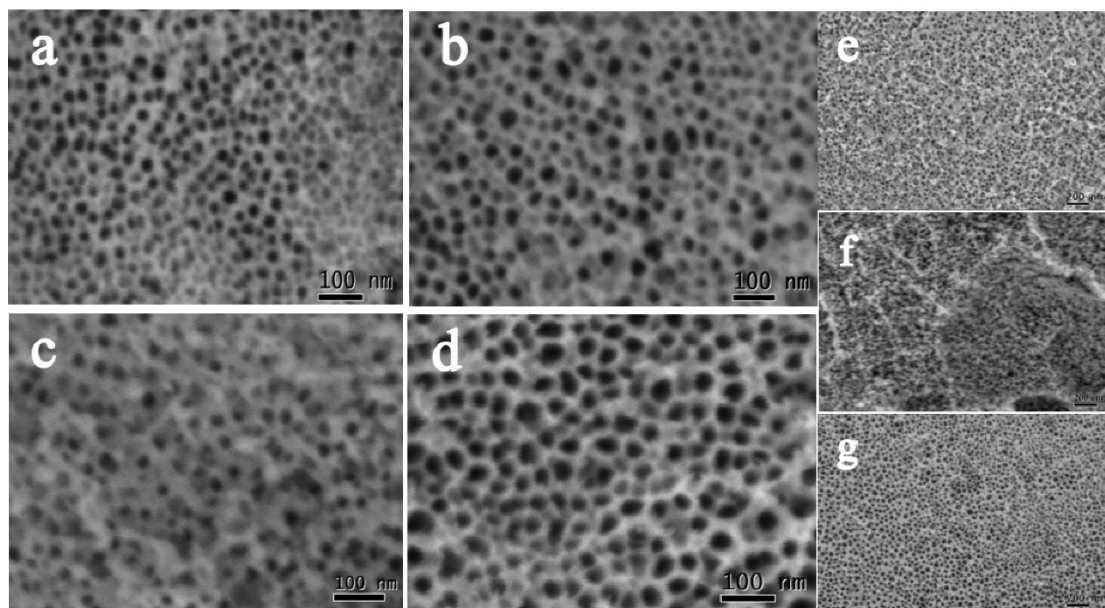


Figure S2. High-resolution SEM images of the anodic oxide layers formed by anodization of Nb foils at 20V in the ethylene glycol electrolytes with the concentrations of NH_4F at 0.25(a), 0.3(b), 0.35(c), and 0.4(d) M NH_4F ; and the water contents in 0.35 M NH_4F at 0.5(e), 1.0(f) and 2(g) vol%.

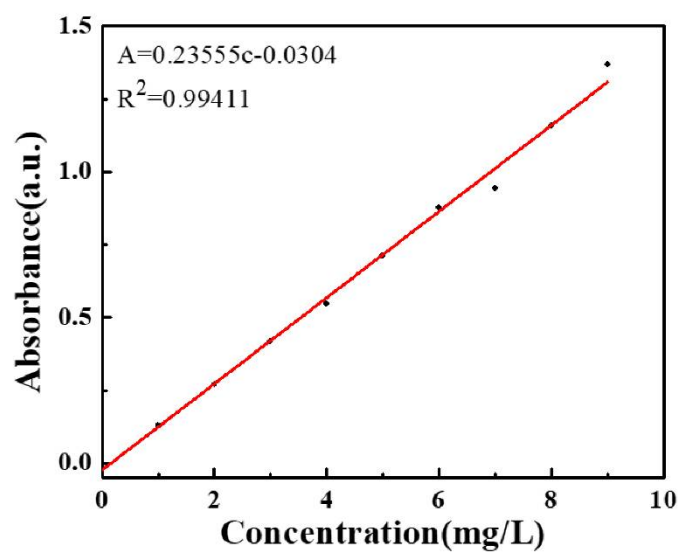


Figure S3. Standard curve of Rhodamine B solution.

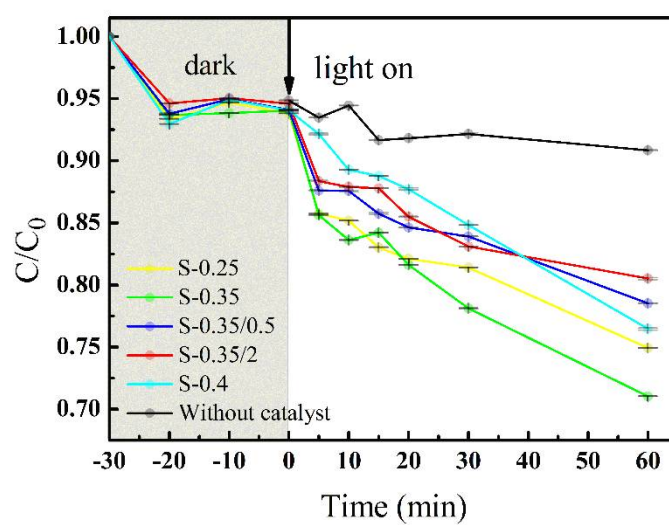


Figure S4. Rh B degradation by different samples under dark conditions and UV irradiation by 300 watts xenon lamp.