

Supplementary Materials

Enhanced Photocatalytic Activity of Nonuniformly Nitrogen-Doped Nb₂O₅ by Prolonging the Lifetime of Photogenerated Holes

Wei Guo, Chang Bo, Wenjing Li, Zhiying Feng, Erli Cong, Lijuan Yang and Libin Yang *

Tianjin Key Laboratory of Brine Chemical Engineering and Resource Eco-utilization, College of Chemical Engineering and Materials Science, Tianjin University of Science and Technology, Tianjin 300457, China;
weiguo@mail.tust.edu.cn (W.G.); bochang@mail.tust.edu.cn (C.B.);
lwj0606s@mail.tust.edu.cn (W.L.); zhiying@mail.tust.edu.cn (Z.F.);
cel@mail.tust.edu.cn (E.C.); yanglijuan@mail.tust.edu.cn (L.Y.)
* Correspondence: yanglibin@tust.edu.cn; Tel.: +86-0226060-1110

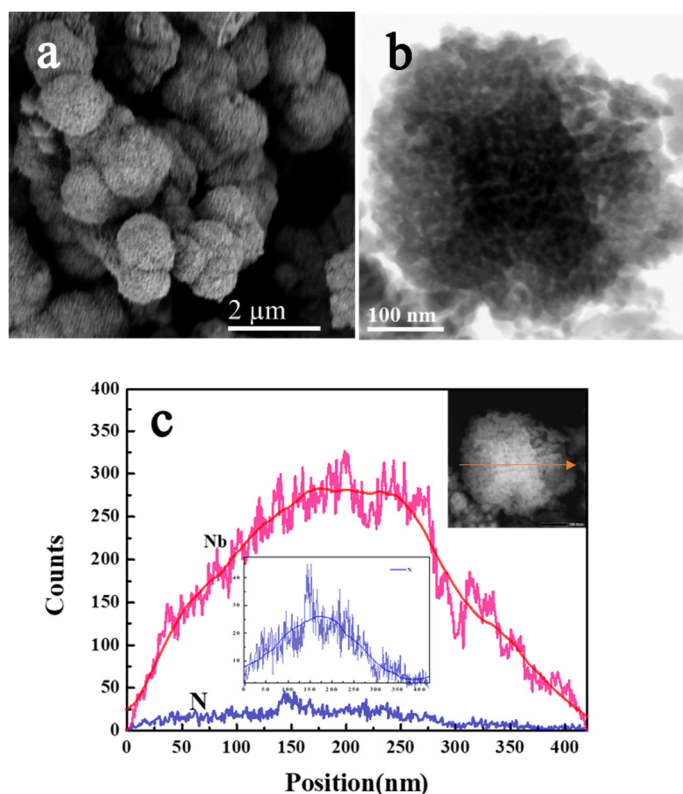


Figure S1. (a) SEM images, (b) TEM images and (c) EDS line scan of the 2@5@8@10NNbO₅.

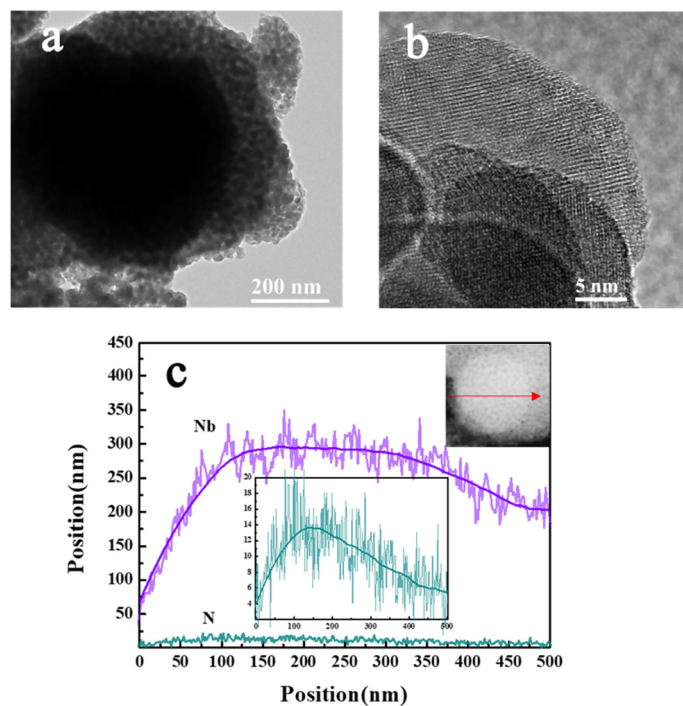


Figure S2. (a) SEM images, (b) TEM images and (c) EDS line scan of the $\text{Nb}_2\text{O}_5@10\text{NNbO}$.

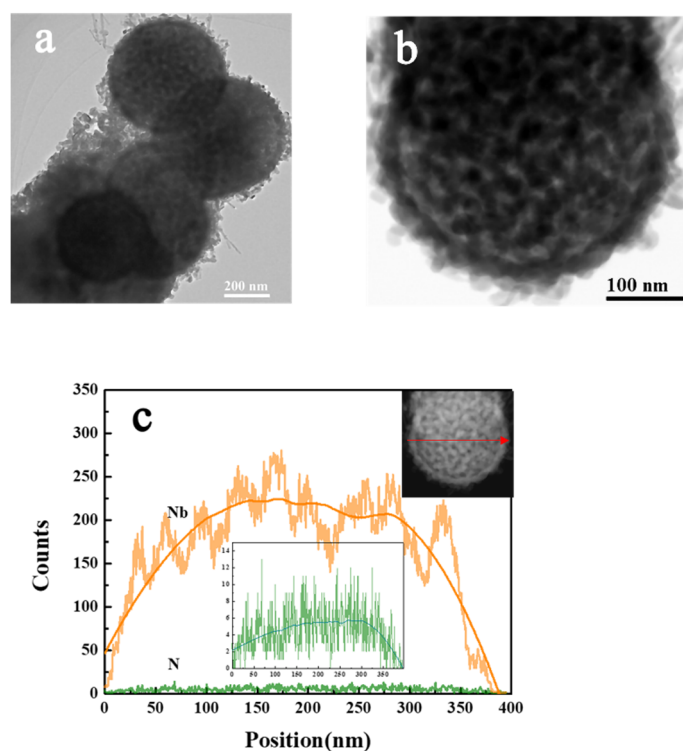


Figure S3. (a) SEM images, (b) TEM images and (c) EDS line scan of the $10\text{NNbO}@ \text{Nb}_2\text{O}_5$.

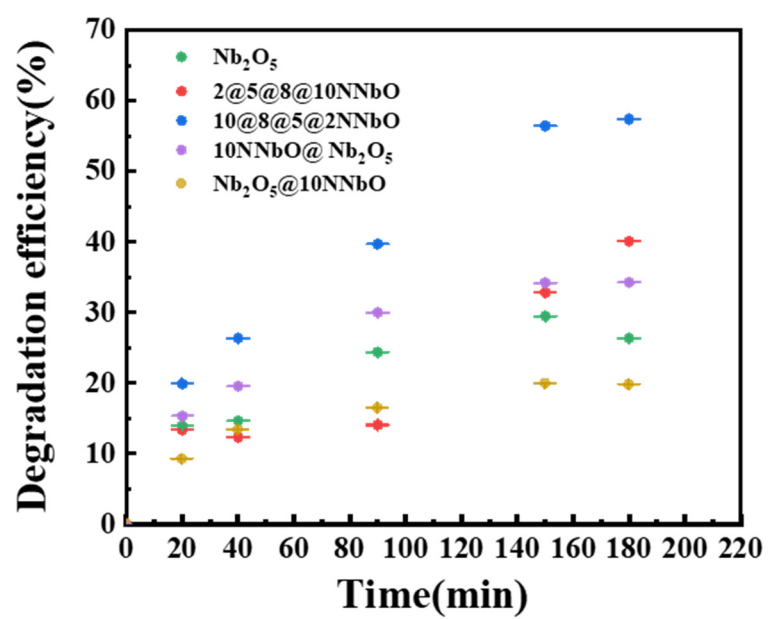


Figure S4. The degradation curves of photocatalytic materials varied with illumination time under UV radiation.