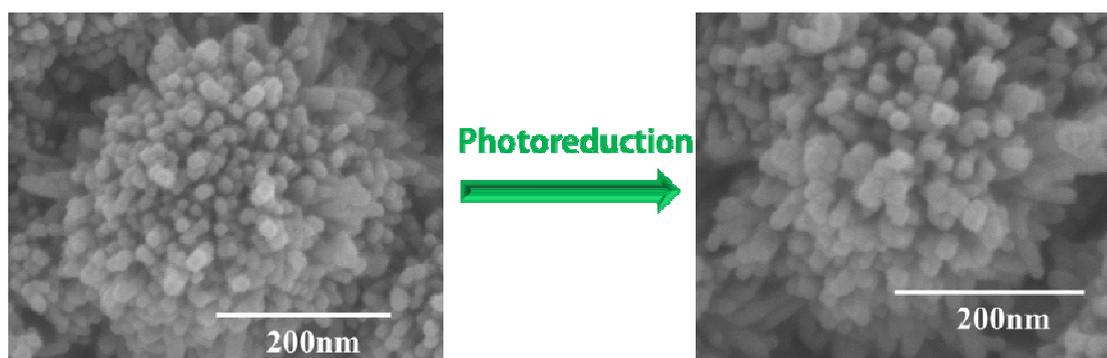


# **Dendritic Au/TiO<sub>2</sub> Nanorod Arrays for Visible-light Driven Photoelectrochemical Water Splitting**

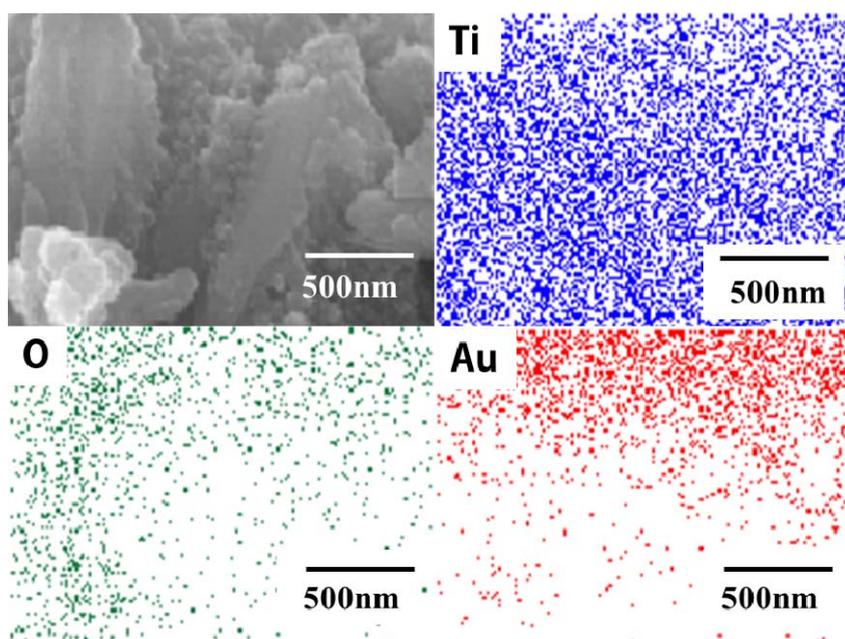
Fengli Su, Tuo Wang, Rui Lv, Jijie Zhang, Peng Zhang, Jianwei Lu, and Jinlong  
Gong\*

*Key Laboratory for Green Chemical Technology of Ministry of Education, School of  
Chemical Engineering and Technology, Tianjin University, Tianjin 300072, China*

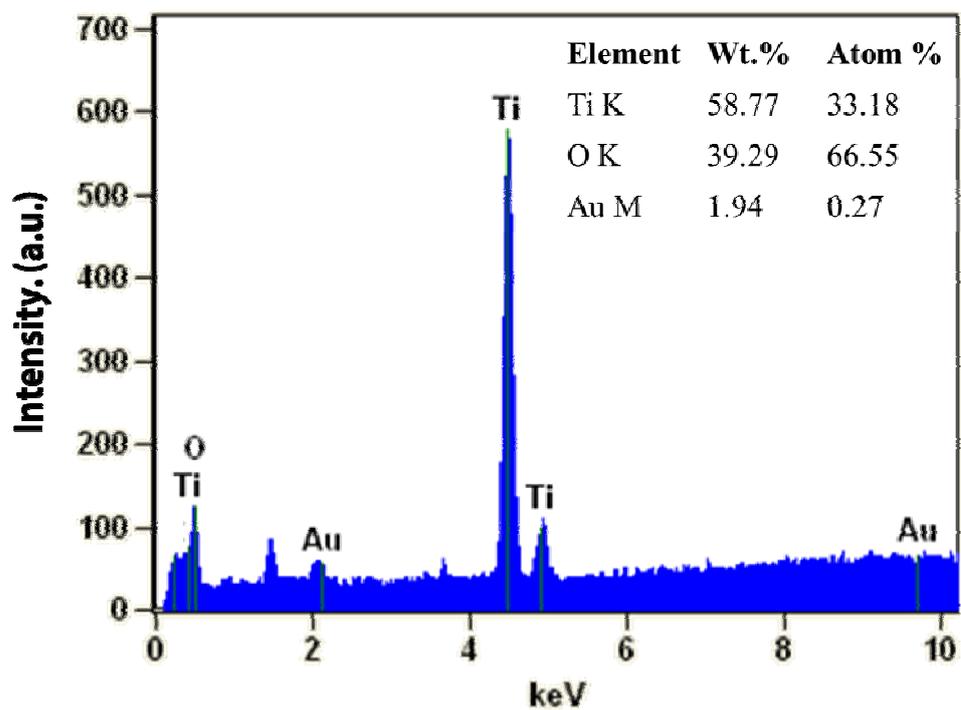
\*Corresponding author: [jlgong@tju.edu.cn](mailto:jlgong@tju.edu.cn) ; +86-22-87401818



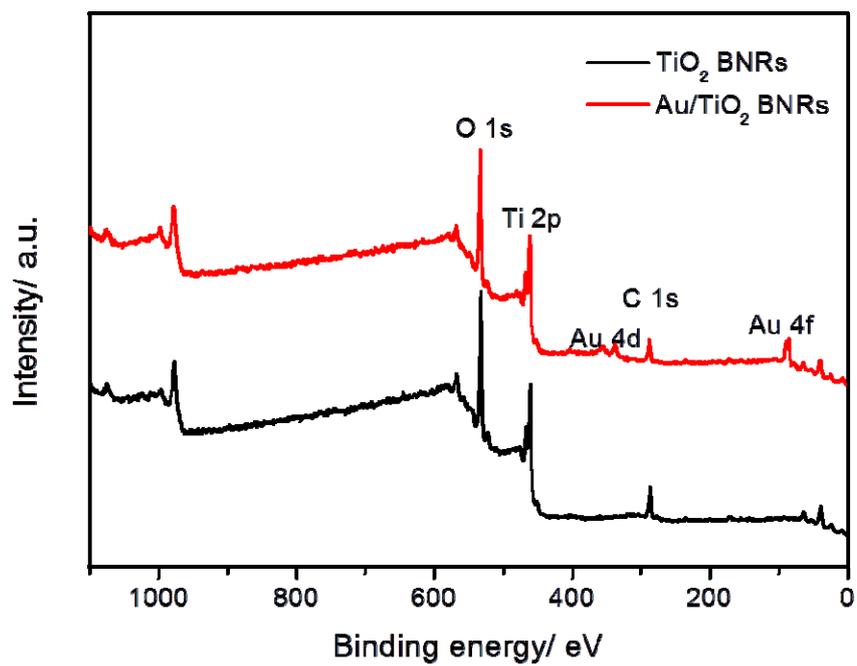
**Fig. S1.** High-magnification SEM images of  $\text{TiO}_2$  BNRs and Au/  $\text{TiO}_2$  BNRs.



**Fig. S2.** Mapping image of Ti, O and Au.



**Fig. S3.** Energy dispersive X-ray spectroscopy (EDS) spectra of Au/TiO<sub>2</sub> BNRs.



**Fig. S4.** XPS survey spectra of TiO<sub>2</sub> BNRs and Au/TiO<sub>2</sub> BNRs.