

Supporting Information

Pivot Roles of Noble Metal in Single-Phase TaX_ZON ($X = \text{Pt, Ru}$, $0 < Z < 0.001$) and Heterostructured $\text{X}_\delta/\text{TaX}_{Z-\delta}\text{ON}$ ($X = \text{Pt, Ru}$, $0.001 < Z < 0.016$) Visible Light Photocatalysts Based on Photoinduced Interfacial Charge Transfer for Hydrogen Production

Zheng Wang, Jungang Hou, Chao Yang, Shuqiang Jiao, Kai Huang and Hongmin Zhu*

State Key Laboratory of Advanced Metallurgy,

School of Metallurgical and Ecological Engineering,

University of Science and Technology Beijing, Beijing, 100083, P. R. China

E-mail: hzhu@ustb.edu.cn

Additional Results

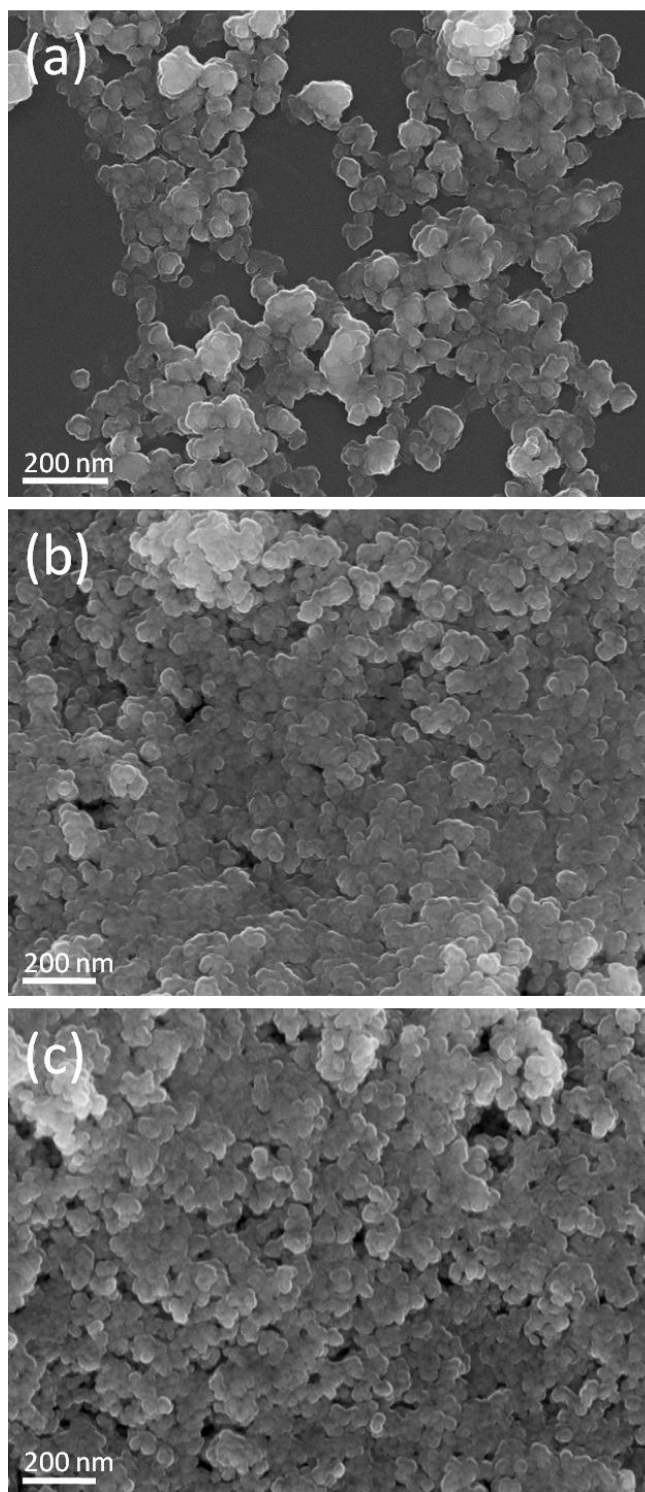


Fig. S1. SEM images of the photocatalysts T0 (a), PT4 (b), and RT4 (c).

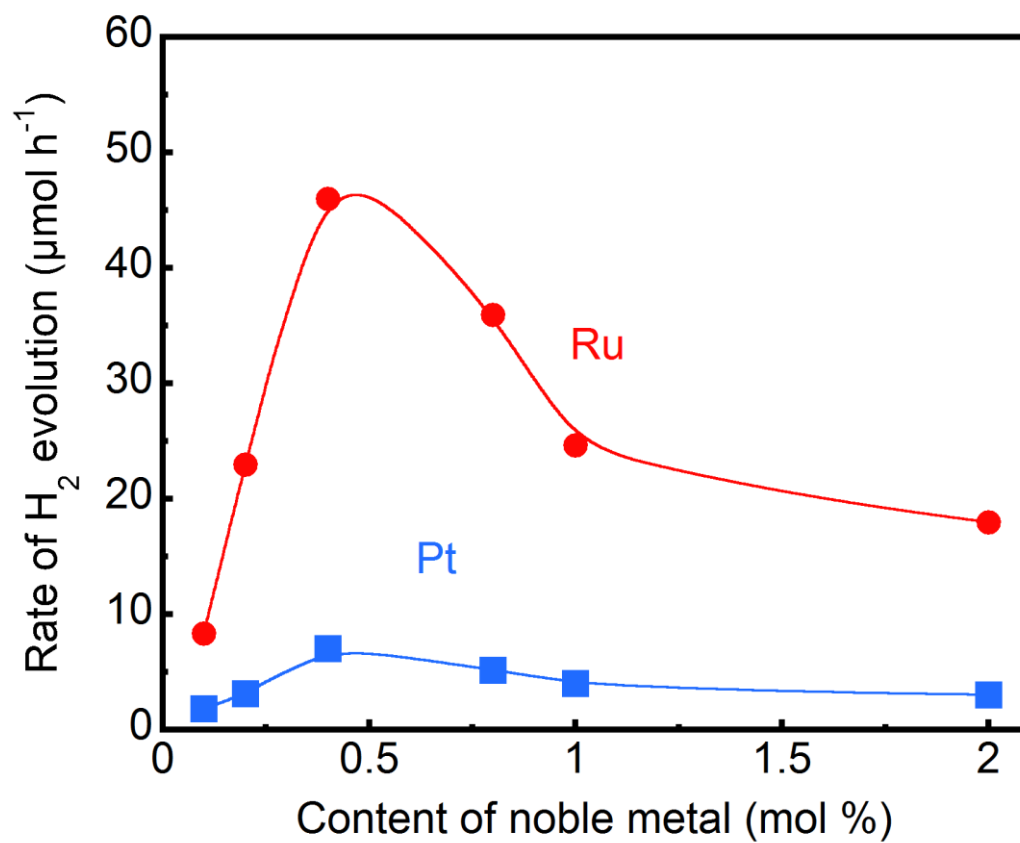


Fig. S2. Photocatalytic property of TaON photocatalysts with different amount of noble metal loading.