

Supplementary Information for

**Effects of group IIIA metal ion dopants on photocatalytic activities
by nanocrystalline $\text{Sr}_{0.25}\text{H}_{1.5}\text{Ta}_2\text{O}_6 \cdot \text{H}_2\text{O}$**

Shijing Liang,^a Shuying Zhu,^a Jia Zhu,^a Yan Chen,^a Yongfan Zhang,^{a} Ling Wu,^{a,b*}*

a: State Key Laboratory Breeding Base of Photocatalysis, Research Institute of Photocatalysis,

Fuzhou University, Fuzhou, Fujian 350002, China

b: State Key Laboratory of Structural Chemistry, Fujian Institute of Research on the Structure of

Matter, Chinese Academy of Sciences, Fuzhou, Fujian 350002, China

Fax: +86-591-8373-9105; Tel: +86-591-8373-9362; E-mail: wuling@fzu.edu.cn;

zhangyf@fzu.edu.cn

Summary: This file contains 2 pages, 3 Figures.

Fig. S1 XRD patterns of Ga³⁺ doped HST at different doping levels

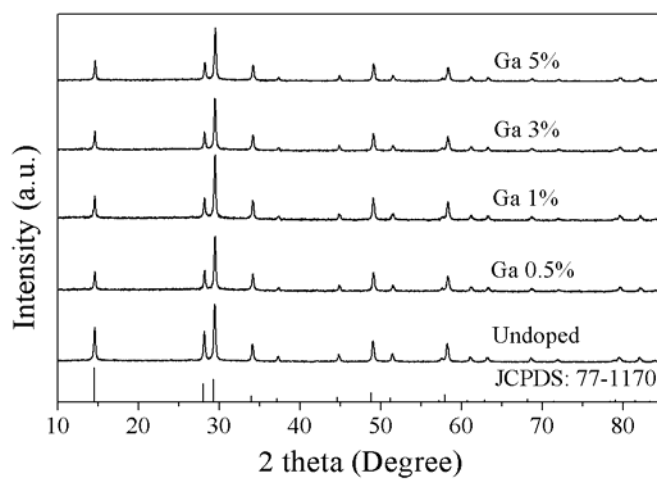


Fig. S2 XRD peaks around 29.4° of Ga³⁺ doped HST samples

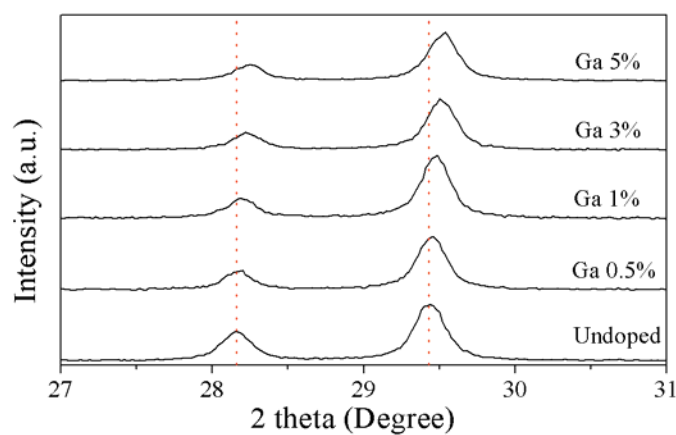


Fig. S3 UV-vis DRS of Ga/HST at different doping levels

