

Facile Fabrication of a Novel Au/Phosphorus-Doped g-C₃N₄ Photocatalyst with Excellent Visible Light Photocatalytic Activity

Hao Li ^{1,2}, Nan Zhang ^{1,2}, Fei Zhao ^{1,2}, Tongyao Liu ^{1,2} and Yuhua Wang ^{1,2,*}

¹ Department of Materials Science, School of Physical Science and Technology, Lanzhou University, Lanzhou 730000, China; lihao3218@163.com (H.L.); zhangn2018@lzu.edu.cn (N.Z.); zhaof2016@lzu.edu.cn (F.Z.); liuty2011@lzu.edu.cn (T.L.)

² National and Local Joint Engineering Laboratory for Optical Conversion Materials and Technology, School of Physical Science and Technology, Lanzhou University, Lanzhou 730000, China

* Correspondence: wyh@lzu.edu.cn; Tel.: +86-931-8912772; Fax: +86-931-8913554

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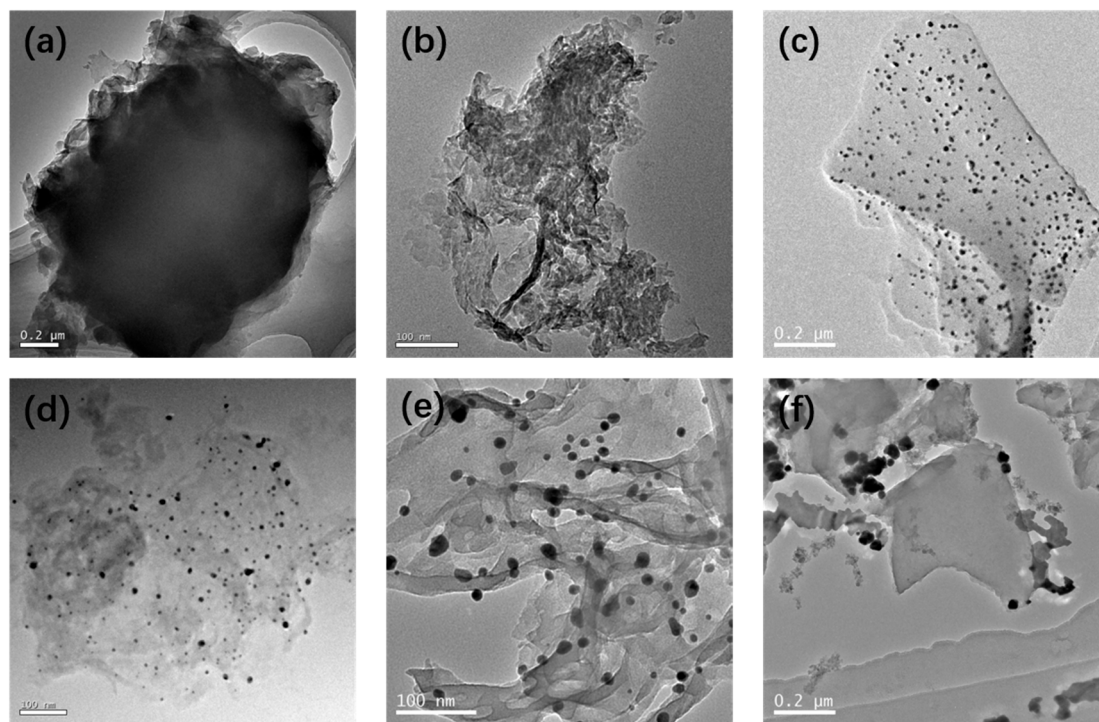


Figure. S1 TEM images of g-C₃N₄ (a), P-g-C₃N₄ (b), 3% Au/g-C₃N₄ (c), 1% Au/P-g-C₃N₄ (d), 3% Au/P-g-C₃N₄ (e) and 5% Au/P-g-C₃N₄ (f).

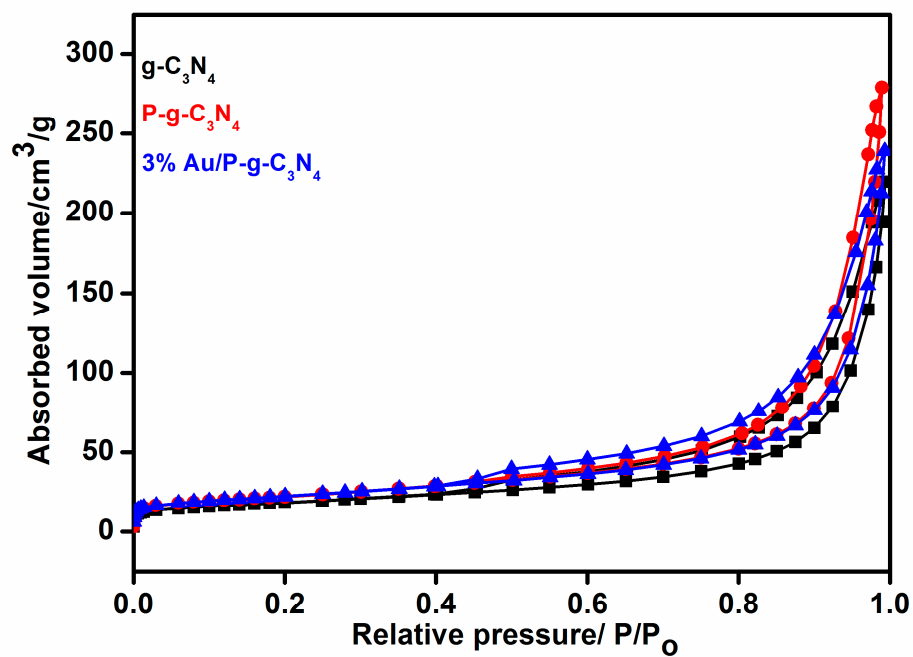


Figure. S2 N₂ adsorption-desorption isotherms of g-C₃N₄, P-g-C₃N₄ and 3% Au/P-g-C₃N₄.

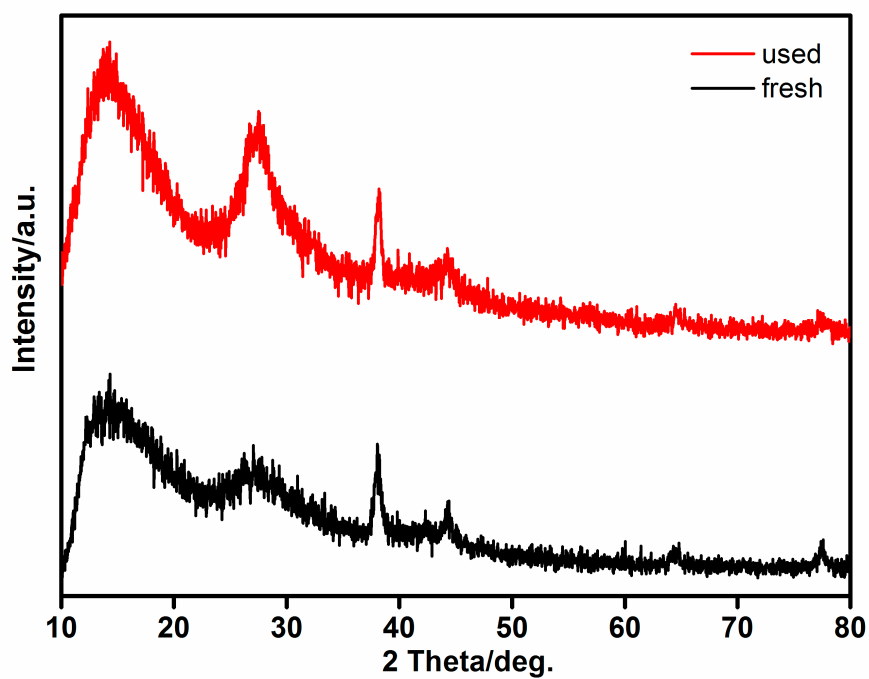


Figure. S3 XRD patterns of fresh and used 3% Au/P-g-C₃N₄.

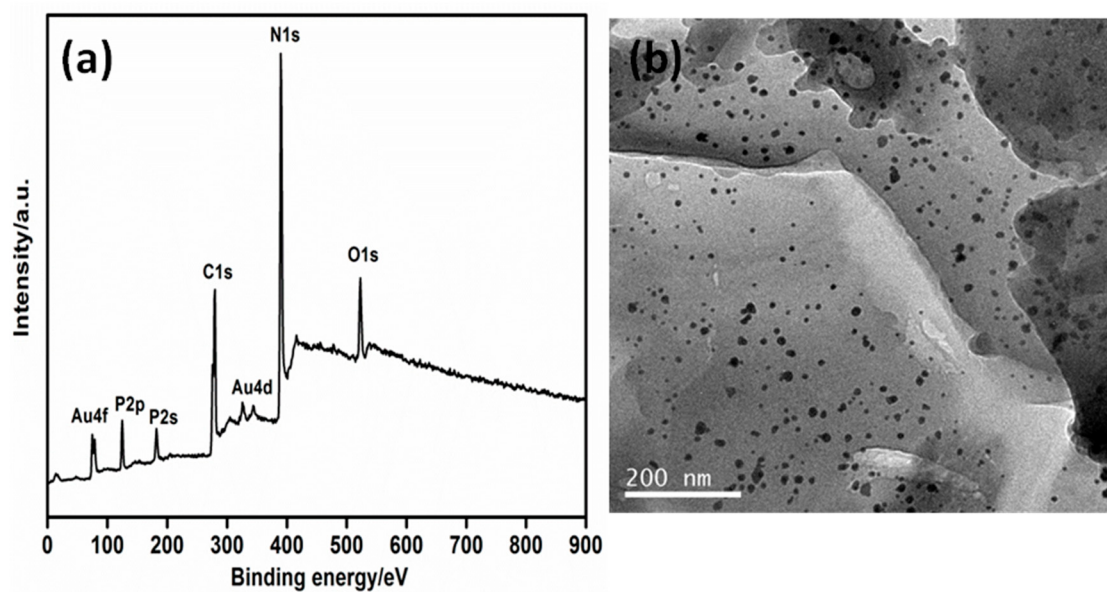


Figure. S4 XPS spectrum and TEM photograph of used 3% Au/P-g-C₃N₄.