

Supporting Information

Preparation of Cu(II) porphyrin–TiO₂ composite in one– pot method and research on photocatalytic property

Xin Zhao^{a, 1}, Ying Wang^{a, 1}, Wenhua Feng^a, Hengtao Lei^a, Jun Li^{a, *}

^aKey Laboratory of Synthetic and Natural Functional Molecule Chemistry of Ministry of Education, College of Chemistry & Materials Science, Northwest University, Xi'an, Shaanxi 710069, PR China

¹these authors contributed equally to this work

*Correspondence author Tel: +0086 29 88302604; Fax: +0086 29 88303798

E-mail: junli@nwu.edu.cn

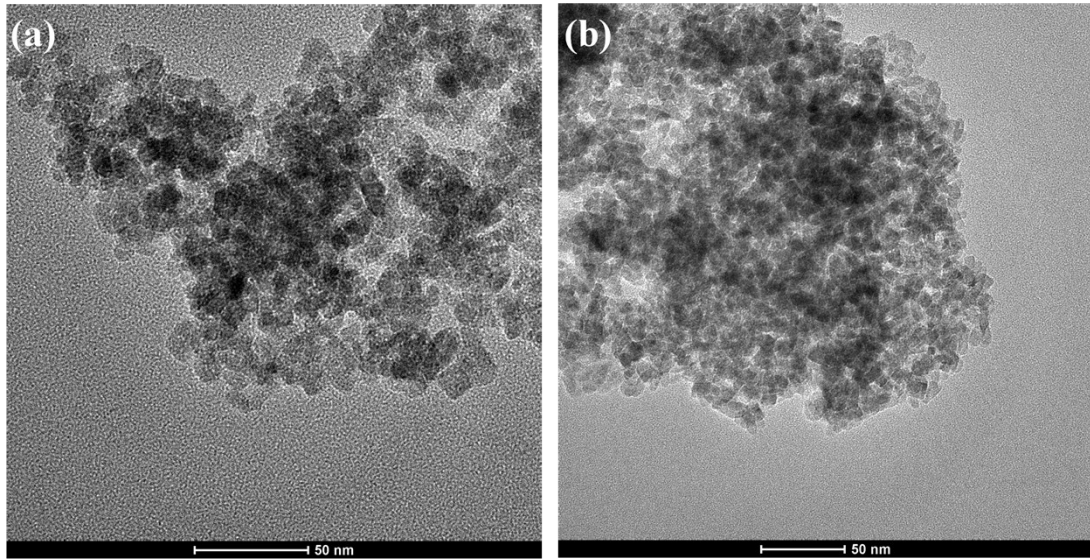


Fig. S1 Integral TEM images of (a) TiO₂, (b) CuPp-TiO₂ photocatalyst.

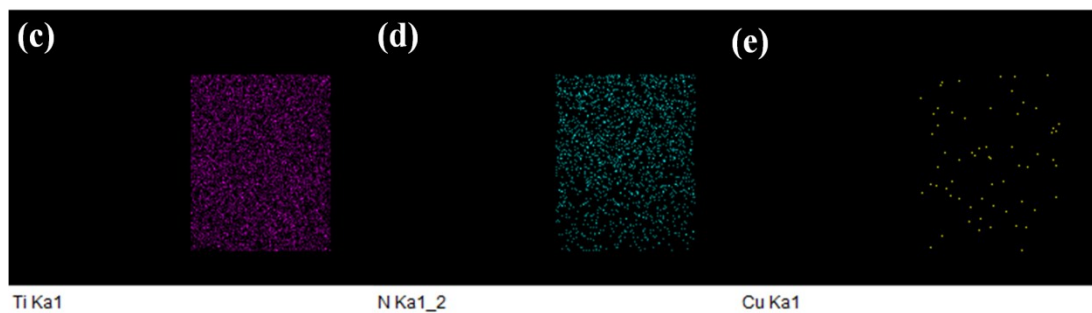
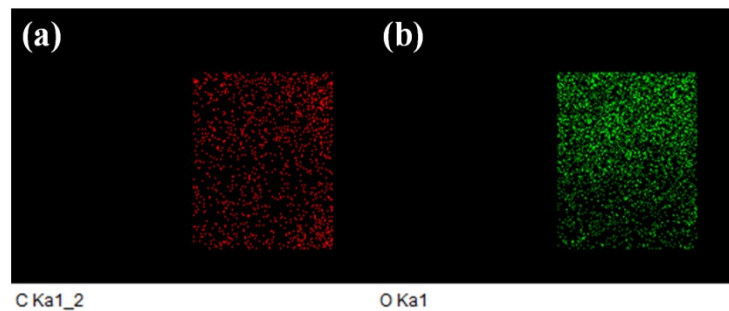


Fig. S2 Corresponding EDX element mapping of CuPp-TiO₂ composite photocatalyst (j) for carbon, (k) for, oxygen, (l) for titanium, (d) for nitrogen, (e) for copper.

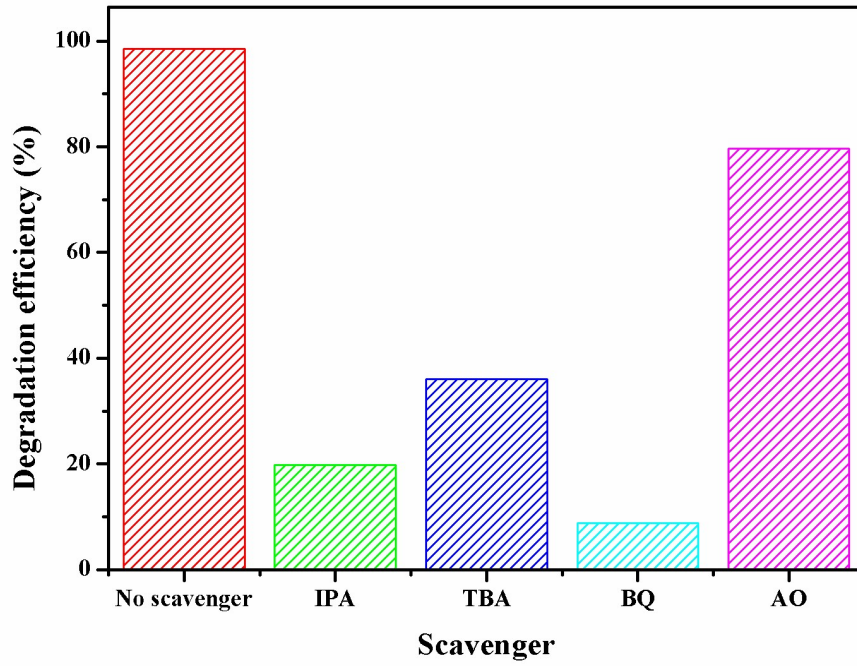


Fig. S3 The degradation efficiency of 4-NP in the presence of CuPp-TiO₂ composite photocatalyst with kinds of scavengers (Fig. S3).