

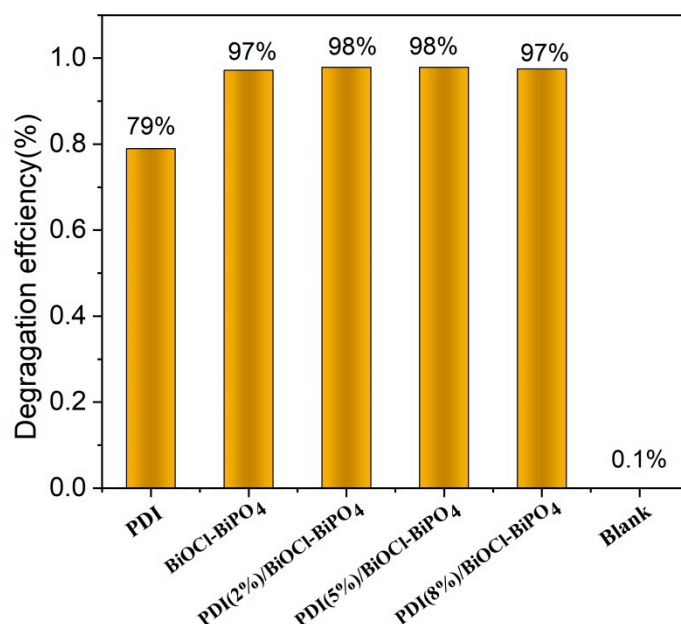
# Designed Synthesis of PDI/BiOCl-BiPO<sub>4</sub> Compositd Material for Boosted Photocatalytic Contaminant Degradation

Huaqiang Zhuang <sup>1,\*</sup>, Fulin Wang <sup>2</sup>, Kaiyang Shi <sup>2</sup> and Kai Yang <sup>2,\*</sup>

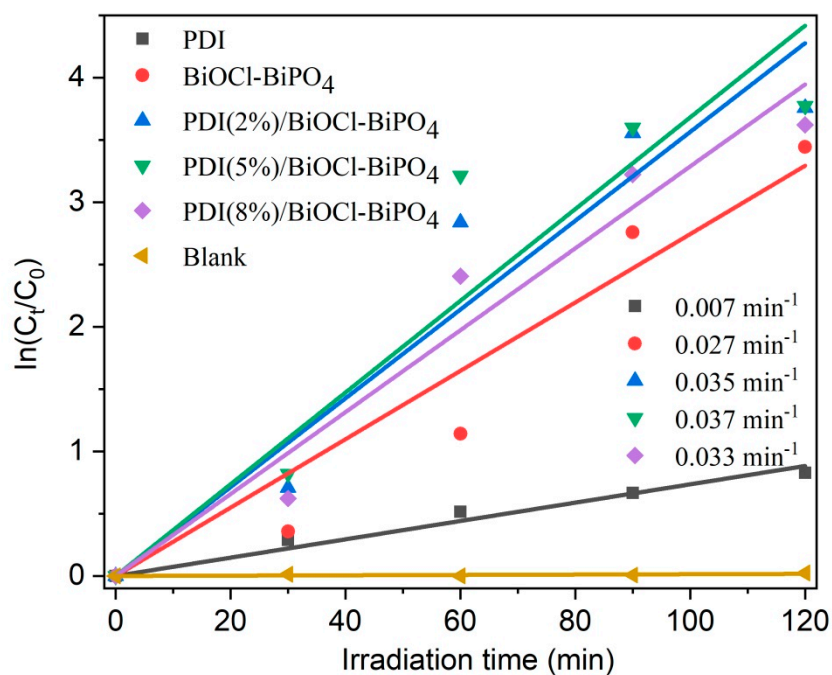
<sup>1</sup> College of Chemical Engineering and Materials Science, Quanzhou Normal University, Quanzhou 362000, China

<sup>2</sup> School of Chemistry and Chemical Engineering, Jiangxi University of Science and Technology, Ganzhou 341000, China

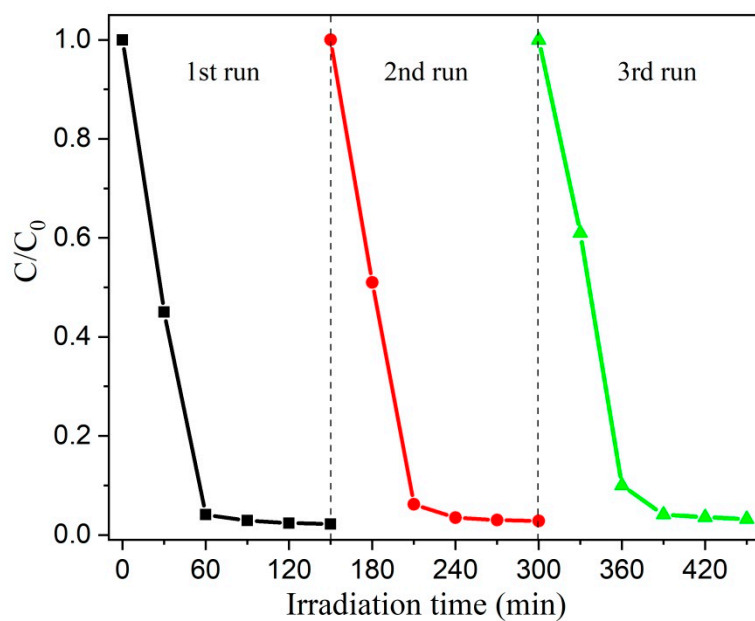
\* Correspondence: huaqiangz@163.com (H.Z.); yangkai@jxust.edu.cn (K.Y.)



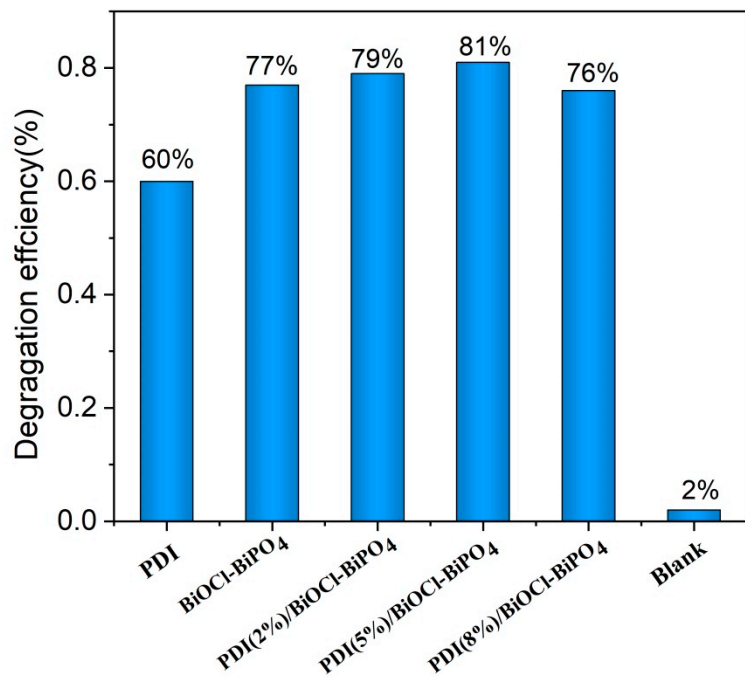
**Figure S1.** The degradation efficiency of all of as-prepared samples for RhB degradation.



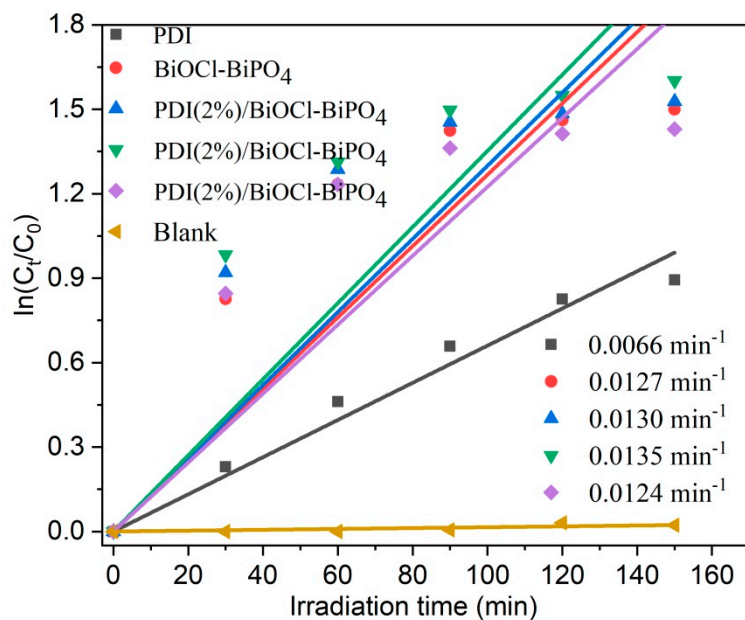
**Figure S2.** Plot of  $-\ln(C_t/C_0)$  vs. irradiation time shows RhB degradation kinetics.



**Figure S3.** Stability test of PDI(5%)/BiOCl-BiPO<sub>4</sub> sample for RhB degradation.



**Figure S4.** The degradation efficiency of tetracycline hydrochloride degradation for PDI, BiOCl-BiPO<sub>4</sub>, PDI(2%)/BiOCl-BiPO<sub>4</sub>, PDI(5%)/BiOCl-BiPO<sub>4</sub> and PDI(8%)/BiOCl-BiPO<sub>4</sub> samples under simulated solar light irradiation.



**Figure S5.** Plot of  $-\ln(C_t/C_0)$  vs. irradiation time shows TCH degradation kinetics under simulated solar light irradiation.