

Supplementary Information

Electronic Supplementary Information (ESI) for *New Journal of Chemistry*.

Ultrasound assisted synthesis of BiVO₄/c-Dots/g-C₃N₄ Z-scheme heterojunction photocatalyst for degradation of minocycline hydrochloride and Rhodamine B: Optimization and mechanism investigation

Qiang Yang¹, Siqi Wei¹, Limei Zhang¹, and Rui Yang^{1,}*

¹School of Chemistry and Chemical Engineering, Southwest University, No.2 Tiansheng Road, Chongqing 400715, People's Republic of China

***Corresponding author**

Dr. Rui Yang (E-mail address: ruiyang@swu.edu.cn)

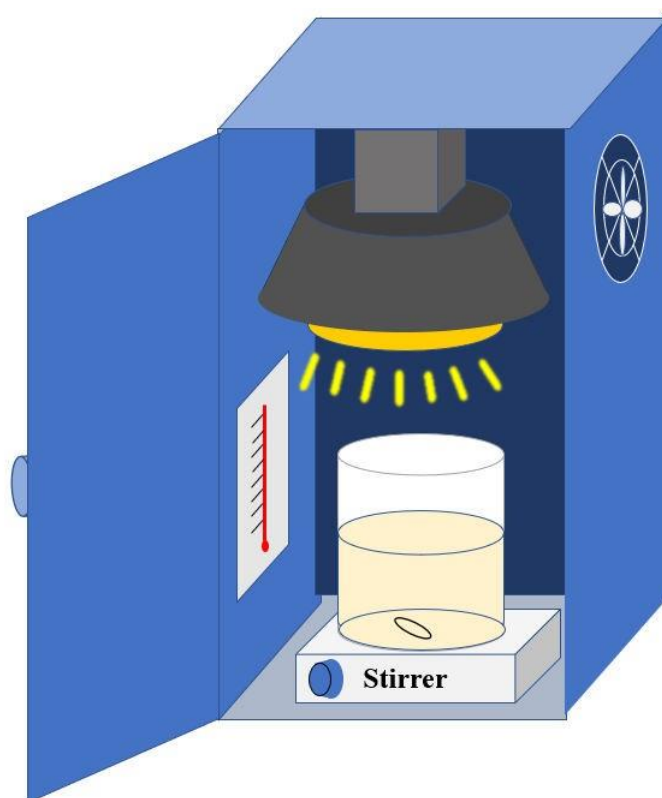


Fig.S1 Schematic diagram of photocatalytic equipment. A 350 W LED lamp was used a light source (460 nm)

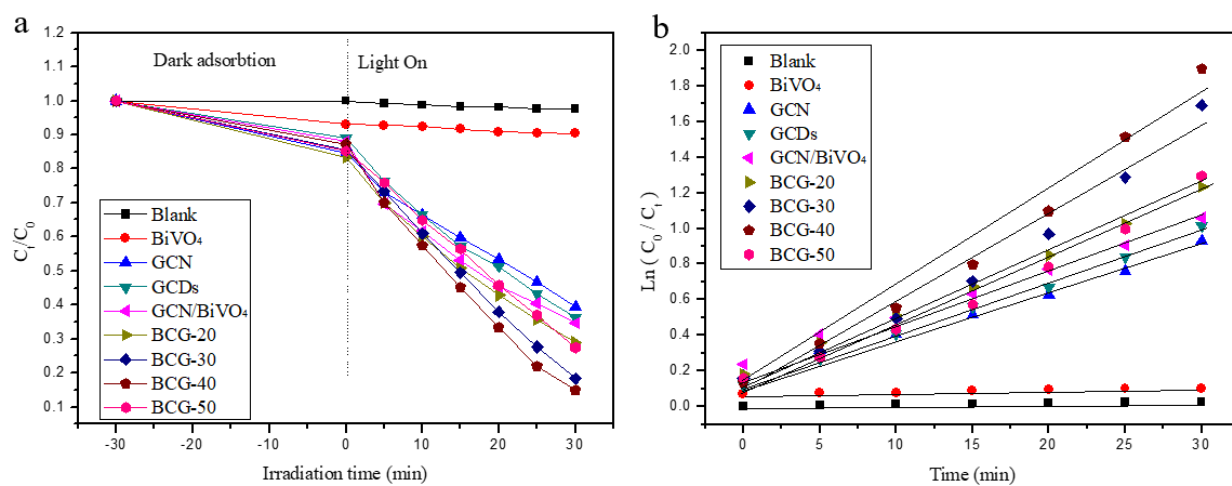


Fig.S2 (a) The photocatalytic degradation of RhB with as-prepared photocatalyst under the light, and (b) the pseudo-first-order rate constants of RhB photodegradation over pure BiVO_4 , GCN, GCDs, GCN/ BiVO_4 , BCG-20, BCG-30, BCG-40 and BCG-50 composite.