Electronic Supplementary Material (ESI) for Biomaterials Science. This journal is © The Royal Society of Chemistry 2021

## **Supporting information**

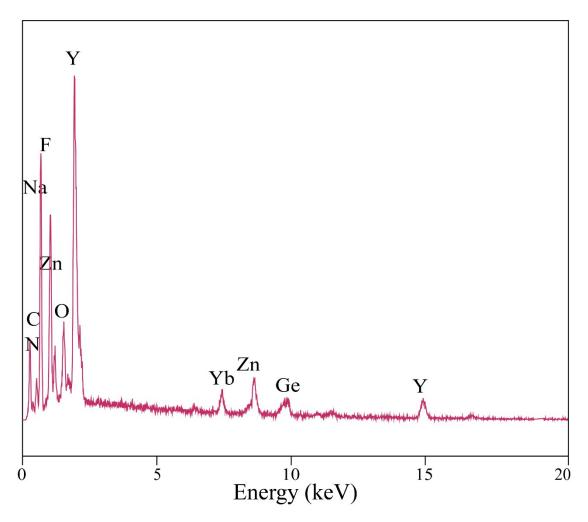


Fig. S1. The EDS spectrum of UZC.

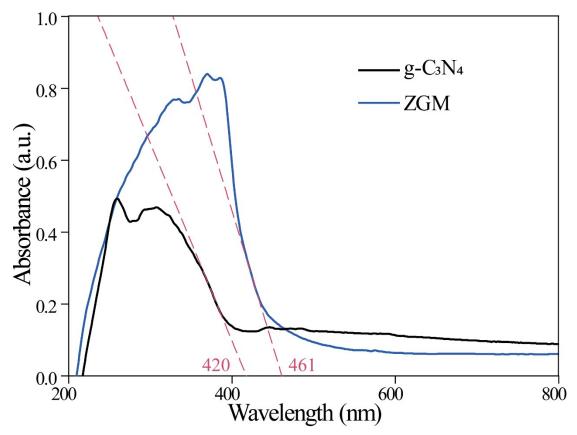
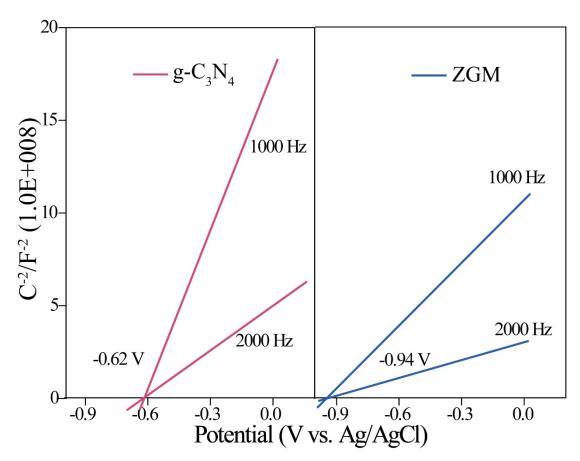


Fig. S2. UV-Vis diffuse reflectance spectra of ZGM and  $g-C_3N_4$ .



 $\textbf{Fig. S3}. \ Mott-Schottky \ plots \ of \ ZGM \ and \ g-C_3N_4.$ 

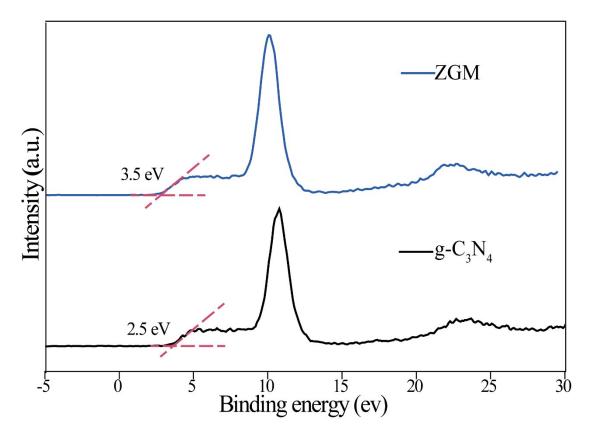


Fig. S4. Valance band XPS spectra of ZGM and g- $C_3N_4$ .

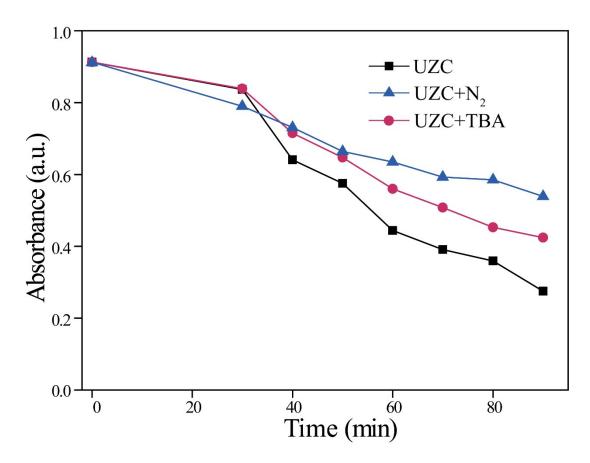


Fig. S5. The degradation curves of RhB with different treatments.