Electronic Supplementary Material (ESI) for CrystEngComm

Supplementary data

Synthesis and Photoactivity Enhancement of $ZnWO_4$ Photocatalysts Doped with Chlorine

Guangli Huang[a,b] and Yongfa Zhu[a*]

[a] Department of chemistry, Tsinghua University, Beijing 100084, P. R China

[b] Beijing Tobacco Quality Supervision and Test Station, Beijing 100029, P. R. China

[*] To whom correspondence should be addressed. Tel: +86-10-62783586; Fax: +86-10-62787601;

Email: zhuyf@tsinghua.edu.cn (Y.F. Zhu);

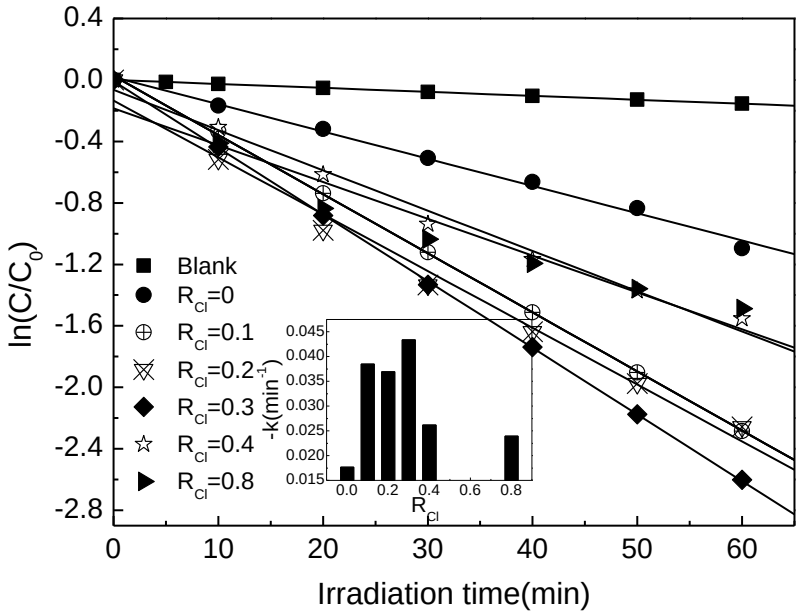

Fig. S1 The photocatalytic activities of various samples doped with different chlorine concentrations and the dependence of the apparent rate constants (k/min^{-1}) and Cl amount (inset). Catalyst loading, 0.50 g L^{-1}; RhB, 1.0×10^{-5} mol L^{-1}.

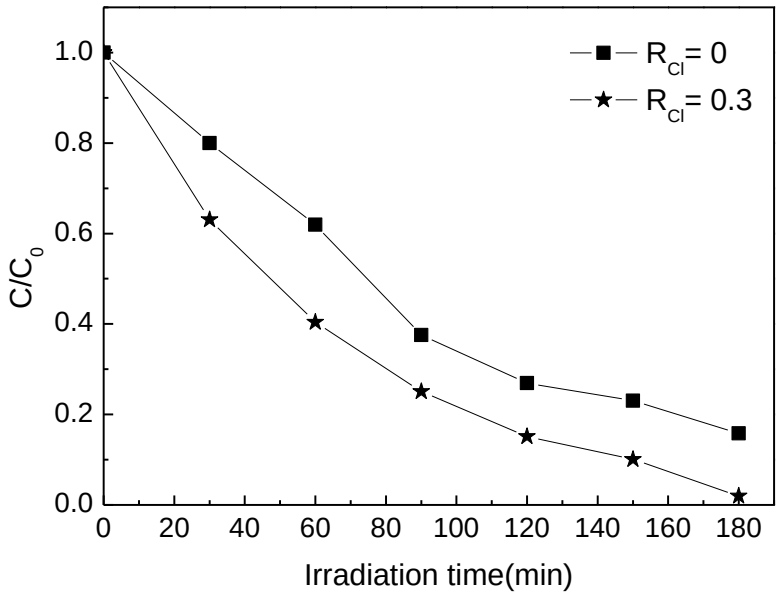

Fig.S2 The photocatalytic degradation of 4-chlorophenol over as-prepared samples.

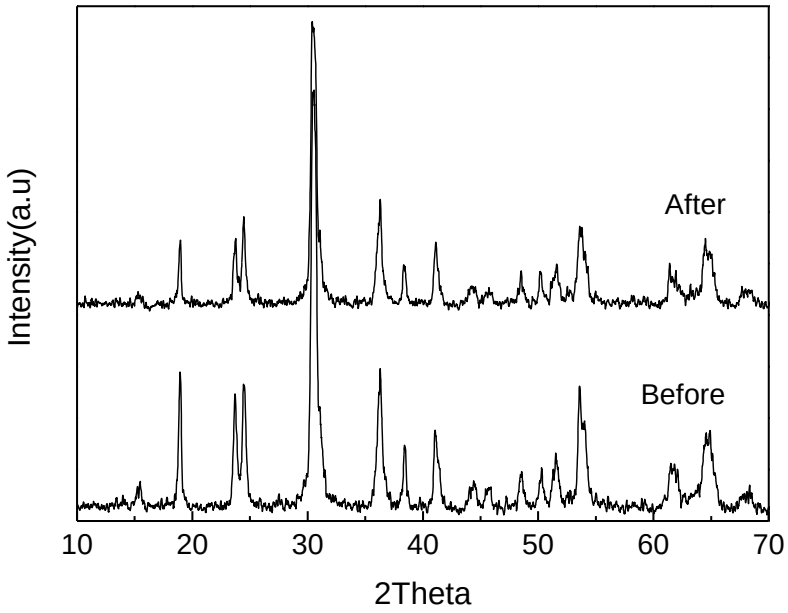

Fig. S3 A comparison of XRD patterns of $ZnWO_4$ (R_{Cl} = 0.3) doped with chlorine before and after photocatalytic reactions.