

Cite this: DOI: 10.1039/c0xx00000x

www.rsc.org/xxxxxx

ARTICLE TYPE

Role of graphene on the surface chemical reactions of BiPO₄-rGO with low OH-related defects

Erping Gao, Wenzhong Wang*

Received (in XXX, XXX) Xth XXXXXXXXXX 20XX, Accepted Xth XXXXXXXXXX 20XX

DOI: 10.1039/b000000x

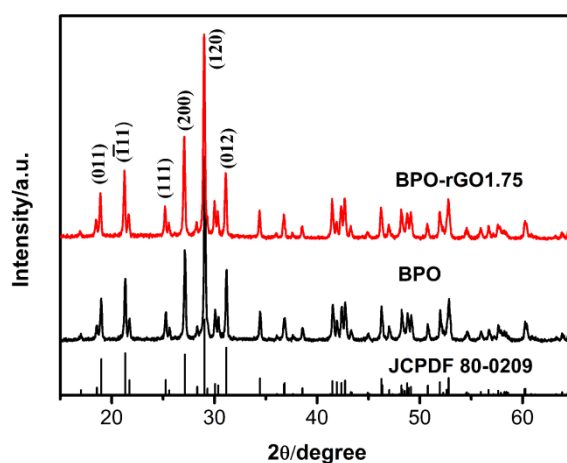


Fig. 1S The XRD patterns of the as-synthesized BPO and BPO-rGO.

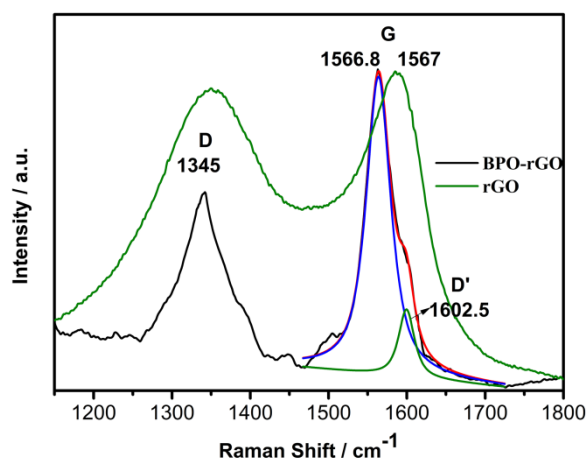


Fig. 2S The magnified Raman spectra of BPO-rGO and rGO in the range of 1100-1800 cm⁻¹. The G band shoulder can be devolved into D' band.

10

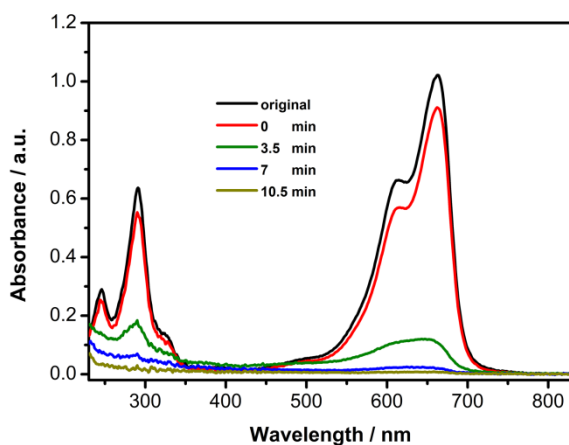


Fig. 3S The temporal evolution of the spectra during the photodegradation of MB aqueous solution mediated by BPO-rGO1.75.

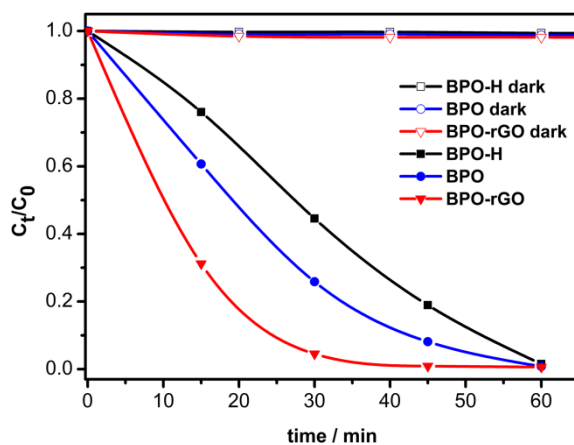


Fig. 4S Photocatalytic degradation of phenol as a function of irradiation time by the as-prepared samples under UV light.

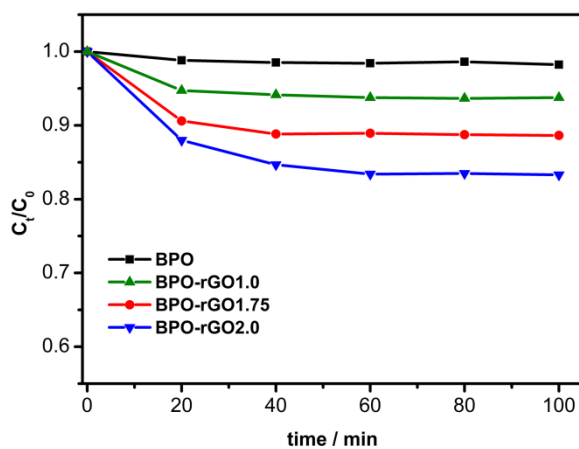


Fig. 5S Changes of MB concentration in BPO and BPO-rGO photocatalytic system in dark

Cite this: DOI: 10.1039/c0xx00000x

www.rsc.org/xxxxxx

ARTICLE TYPE

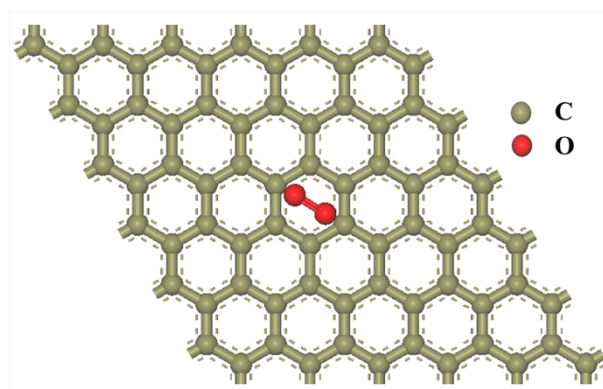


Fig. 6S The atomic geometry model of O₂ physically adsorbed on graphene.