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## **Supporting Information for**

In situ decoration of plasmonic Ag nanocrystals on the surface of  $(BiO)_2CO_3 \ hierarchical \ microspheres \ for \ enhanced \ visible \ light$  photocatalysis

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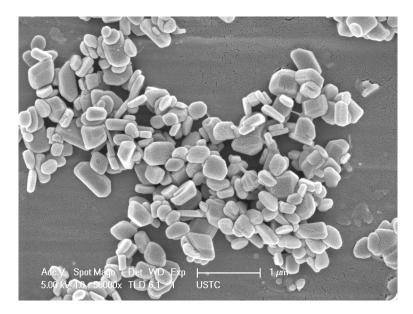


Fig. S1 SEM image of BOC sample with nanosheet morphology.

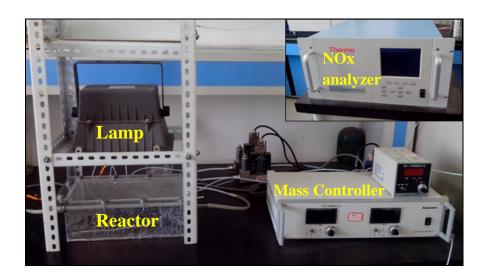


Fig. S2 The photo of the reactor system (inset shows the Chemiluminescence NOx analyzer, Thermo Environmental Instruments Inc., 42i-TL).

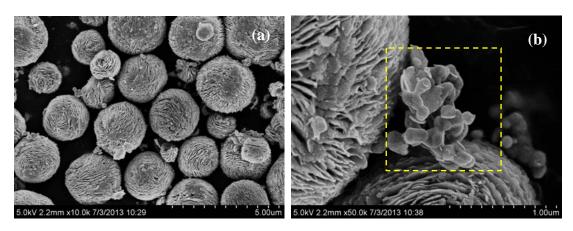


Fig. S3 SEM images of Ag/BOC-20%.