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Supporting Information for:

Visible-Light-Enhanced Thermal Decomposition Performance of Ammonium Perchlorate with a Metal-Organic Framework Derived Ag-Embedded Porous ZnO Nanocomposites

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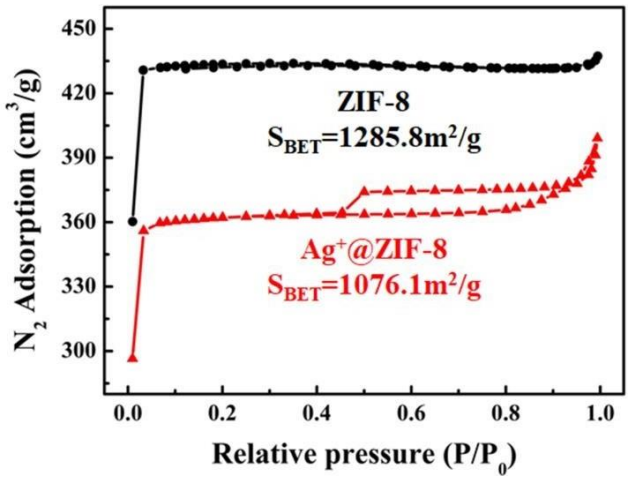

Fig. S1 Nitrogen adsorption-desorption isotherms of ZIF-8 and Ag^{+}@ZIF-8.

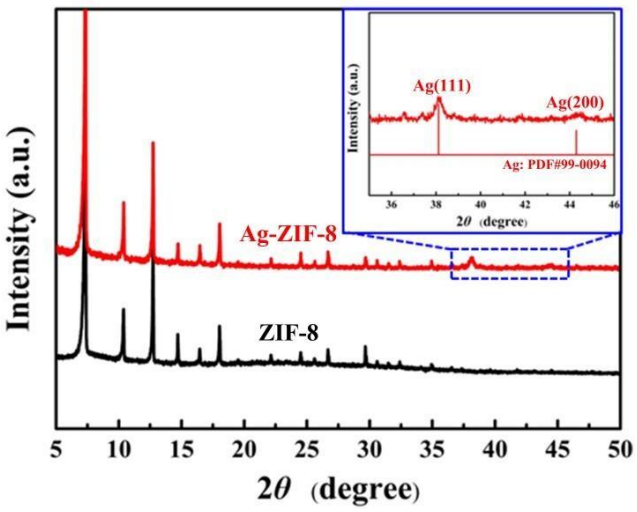

Fig. S2 The XRD patterns of Ag-ZIF-8 and ZIF-8. Inset shows the zoom-in view of 35-46

degress of Ag-ZIF-8.

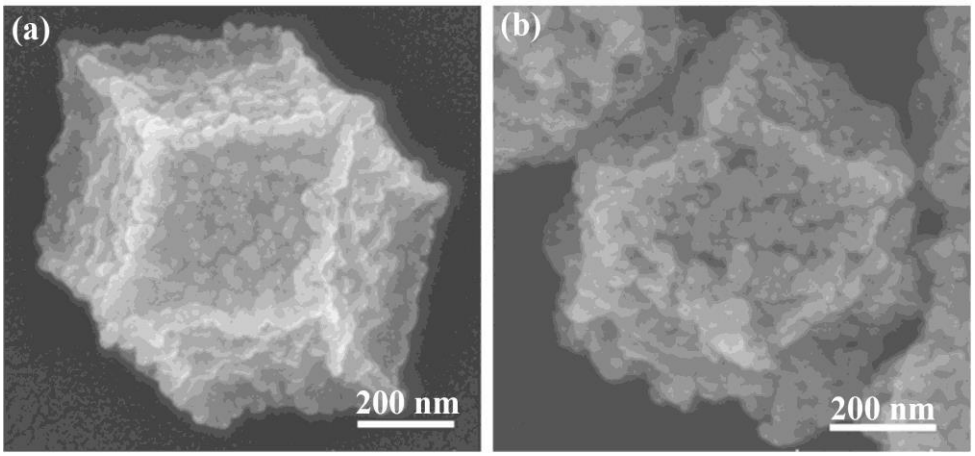

Fig. S3 The SEM images of ZnO derived from ZIF-8(a) and Ag-ZnO NCs derived from Ag^{+}@ZIF-8 (b) under same conditions.

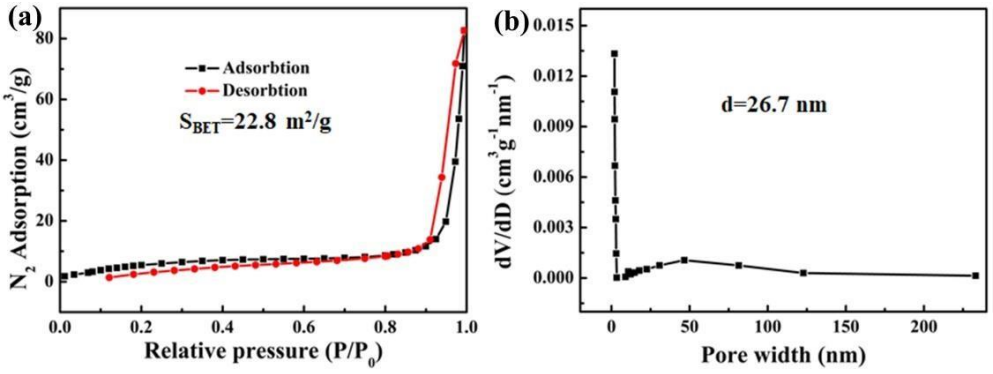

Fig. S4 Nitrogen adsorption-desorption isotherms (a) and pore size distribution curve (b) of Ag-ZnO NCs.

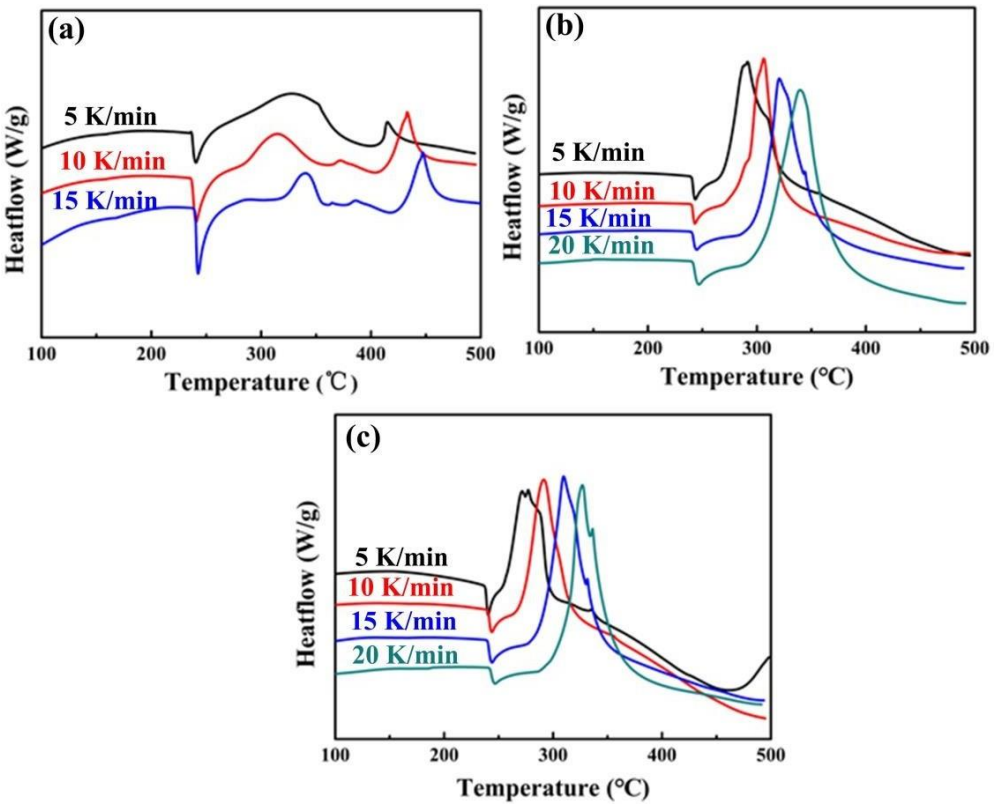

Fig. S5 DSC curves of (a) pure AP, (b) AP mixture with ZnO and (c) AP mixture with Ag-ZnO NCs at different heating rates.