

Supplementary Information

**Reduced Graphene Oxide Anchored Magnetic ZnFe₂O₄ Nanoparticles with
Enhanced Visible-light Photocatalytic Activity**

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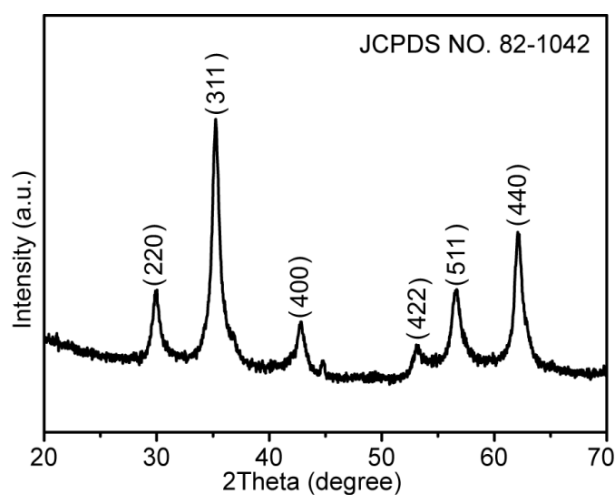


Figure S1. XRD pattern of pure ZnFe₂O₄ NPs.

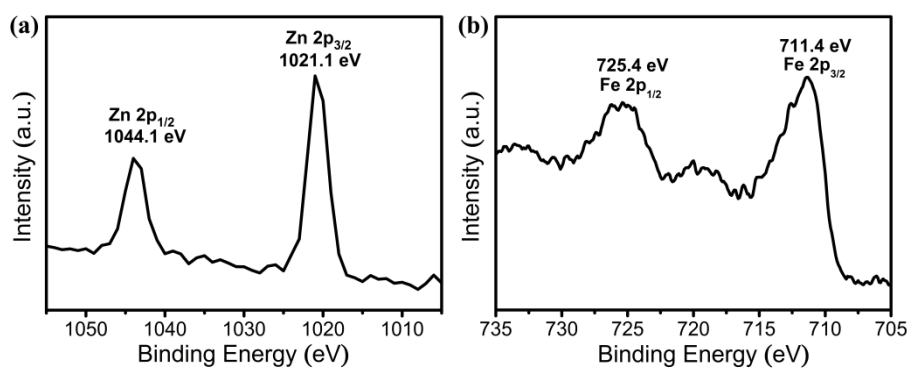


Figure S2. High-resolution XPS spectrum of Zn2p (a) and Fe2p (b) from ZnFe₂O₄-rGO NCs.

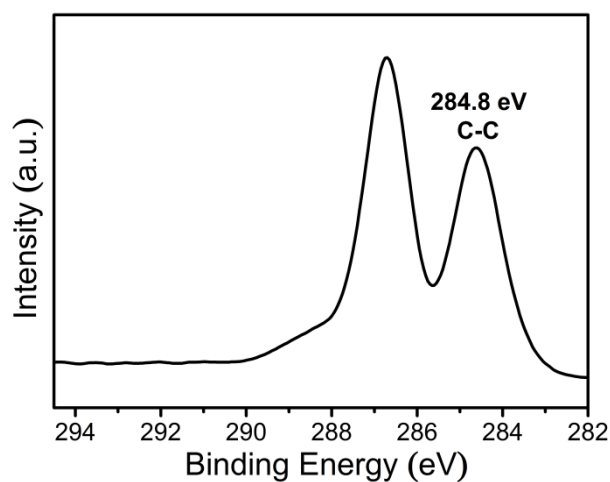


Figure S3. High-resolution XPS spectrum of C1s from GO.

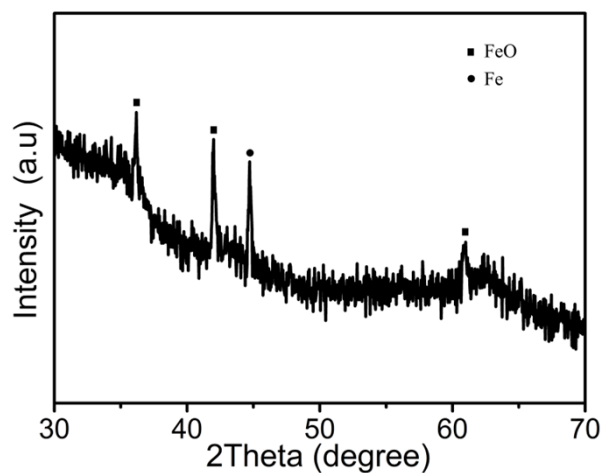


Figure S4. The XRD pattern of the fresh FeO_x colloids prepared by LAL of a Fe target in pure water.

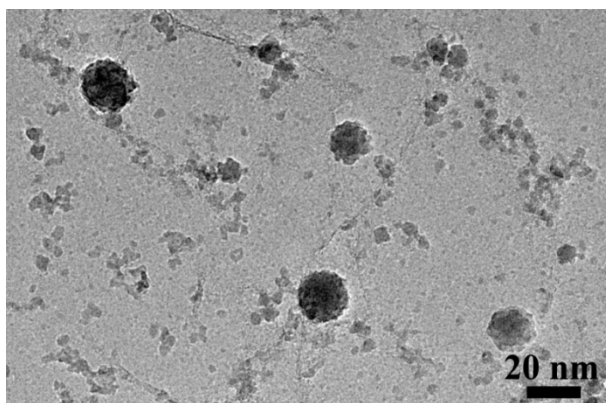


Figure S5. The TEM image of the FeO_x -GO NCs.

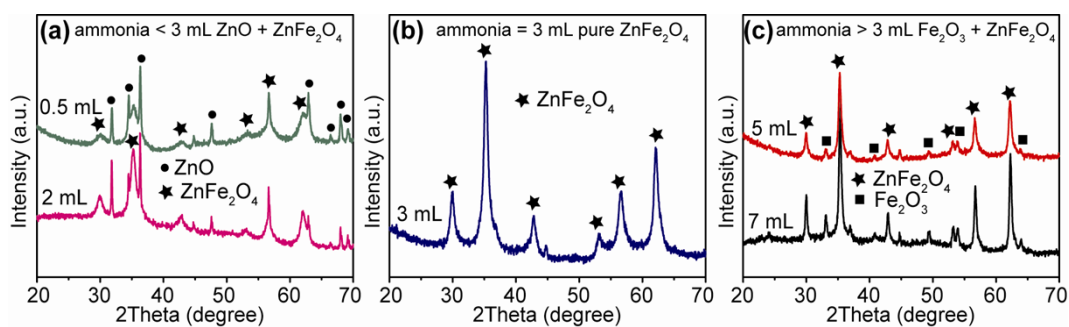


Figure S6. XRD pattern of products obtained with different amount of added ammonia. (a) The volume of ammonia is less than 3 mL; (b) the volume of ammonia is 3 mL; (c) the volume of ammonia is more than 3 mL.

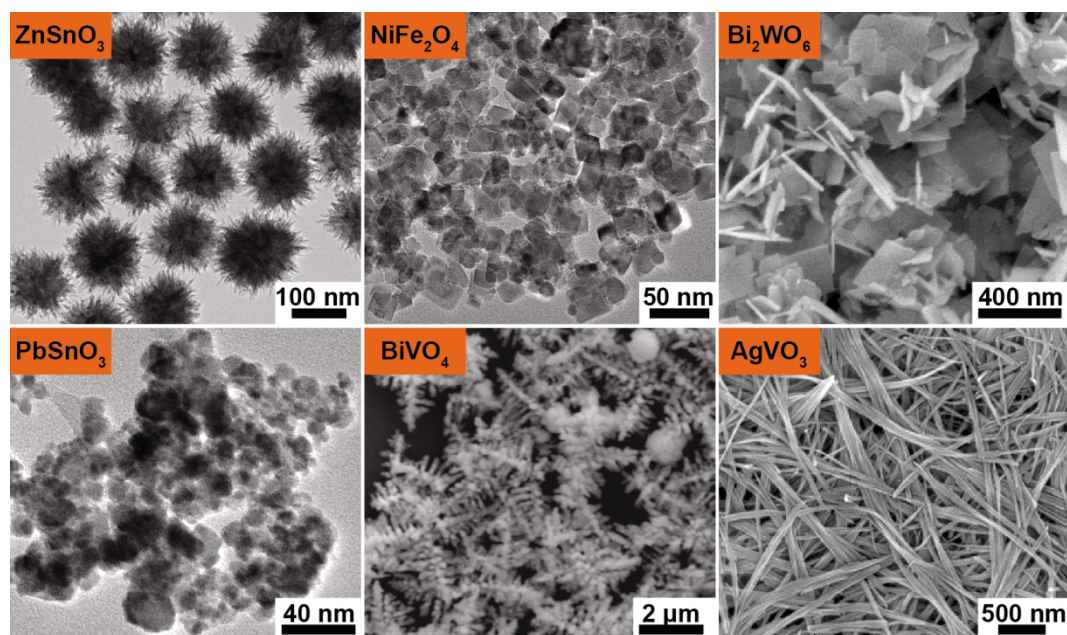


Figure S7. Images of different pure ternary compounds prepared by hydrothermal treatment of two highly reactive colloids, which were obtained by laser ablation of pure metal targets in pure water.