

A facile strategy for the fabrication of noble metal/ZnS composites with enhanced photocatalytic activities

Xuekun Jin^{a,‡}, Fengjuan Chen^{a, b,*,‡}, Dianzeng Jia^{a,*}, Yali Cao^a, Haiming Duan^b,

Mengqiu Long^c

^aKey Laboratory of Energy Materials Chemistry, Ministry of Education, Key Laboratory of Advanced Functional Materials, Autonomous Region, Institute of Applied Chemistry, Xinjiang University, Urumqi, Xinjiang 830046, China.

^bSchool of Physics Science and Technology, Xinjiang University, Urumqi 830046, Xinjiang, PR China.

^cHunan Key laboratory of Super Micro-structure and Ultrafast Process, Central South University, Changsha 410083, China.

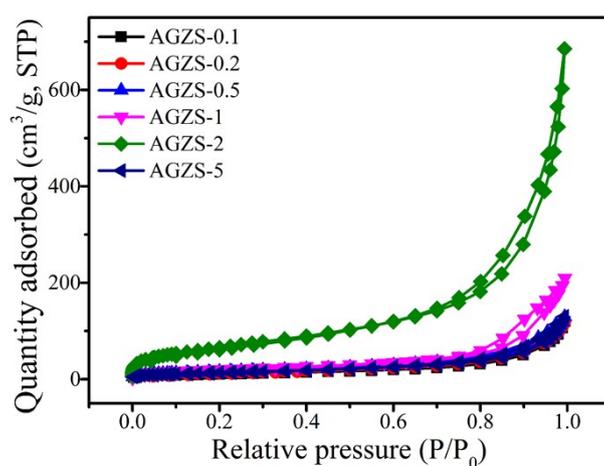


Fig. S1. N₂ adsorption-desorption isotherms for Ag/ZnS composites.

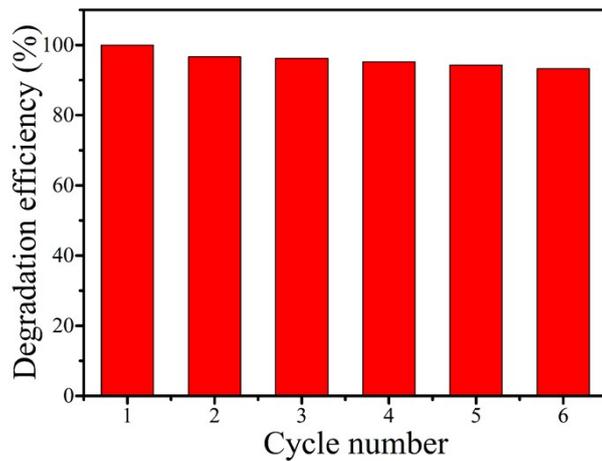


Fig. S2. The recycling activity of Ag/ZnS composites AGZS-2.

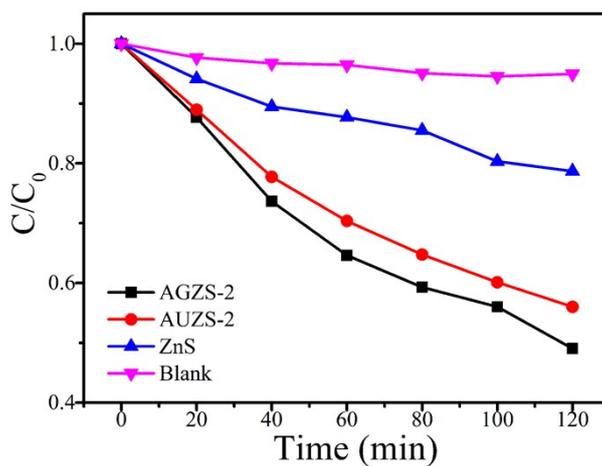


Fig. S3. Comparison photocatalytic activities between Ag/ZnS composites and Au/ZnS composites.

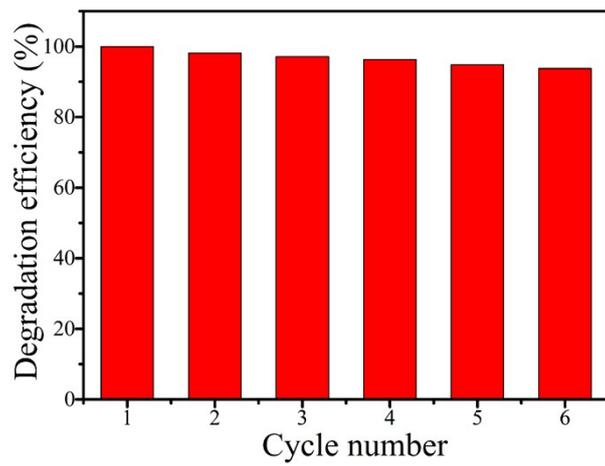


Fig. S4. The recycling activity of Au/ZnS composites AUZS-2.