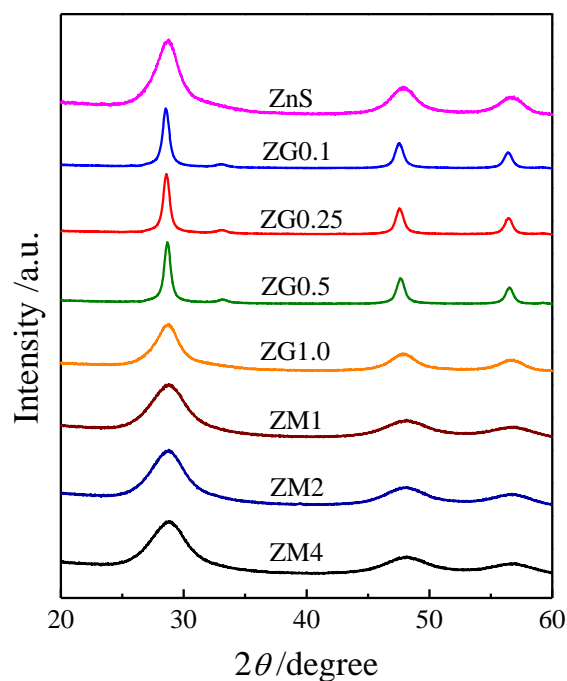
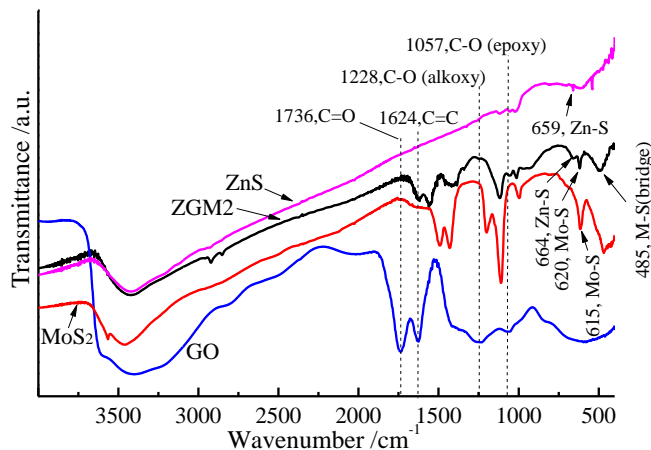


## Enhanced photocatalytic H<sub>2</sub> evolution on ZnS loaded with graphene and MoS<sub>2</sub> nanosheets as cocatalysts

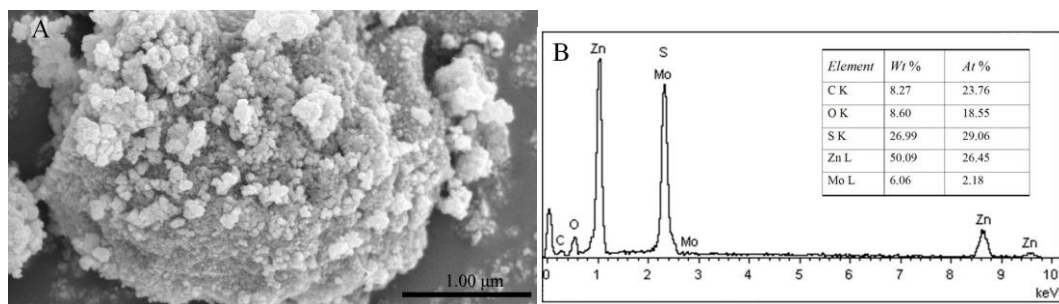
Bolin Zhu, Bizhou Lin\*, Yi Zhou, Ping Sun, Qianru Yao, Yilin Chen and Bifen Gao



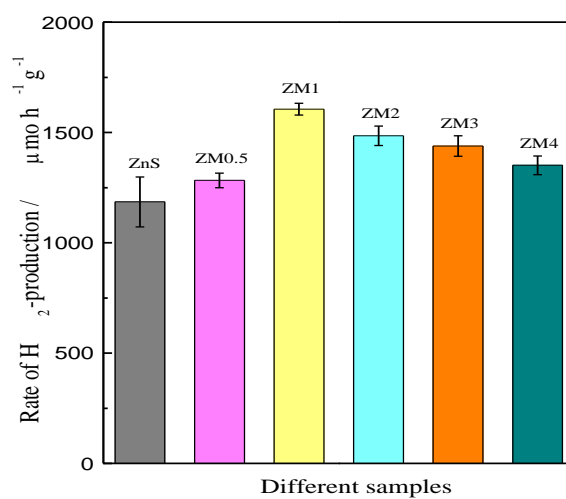
**Fig. S1** XRD pattern of ZnS with different amount of graphene and MoS<sub>2</sub> nanosheets.



**Fig. S2** FT-IR spectra of GO, ZnS, MoS<sub>2</sub> and ZGM2



**Fig.S3** SEM image (A) and EDS spectrum (B) of ZGM2.



**Fig.S4** H<sub>2</sub> production of the prepared ZnS with different amount of MoS<sub>2</sub>