Electronic supplementary Information

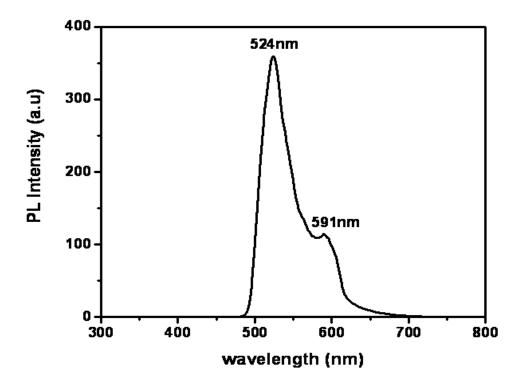


Fig. SI-1: Photoluminescence spectra of TEA assisted ZnIn₂S₄ nanoplates (S3) obtained after excitation at 450 nm.

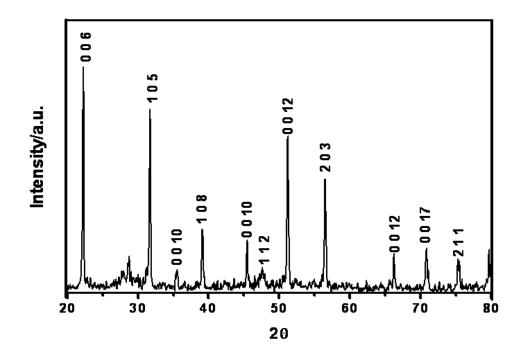


Figure SI-2. XRD spectra obtained after photocatalysis of TEA assisted ZnIn₂S₄ nanoplates (S3).

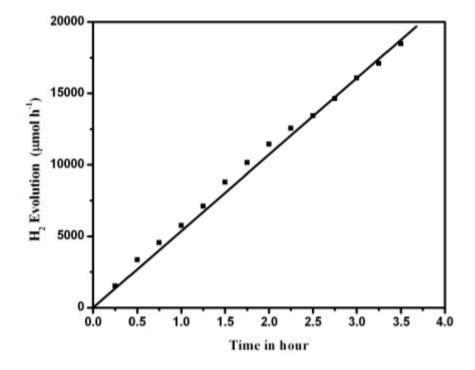


Fig.SI-3: A graph of hydrogen evolution in µmol Vs Time in hour obtained for the catalyst S3