

Electronic Supporting Information

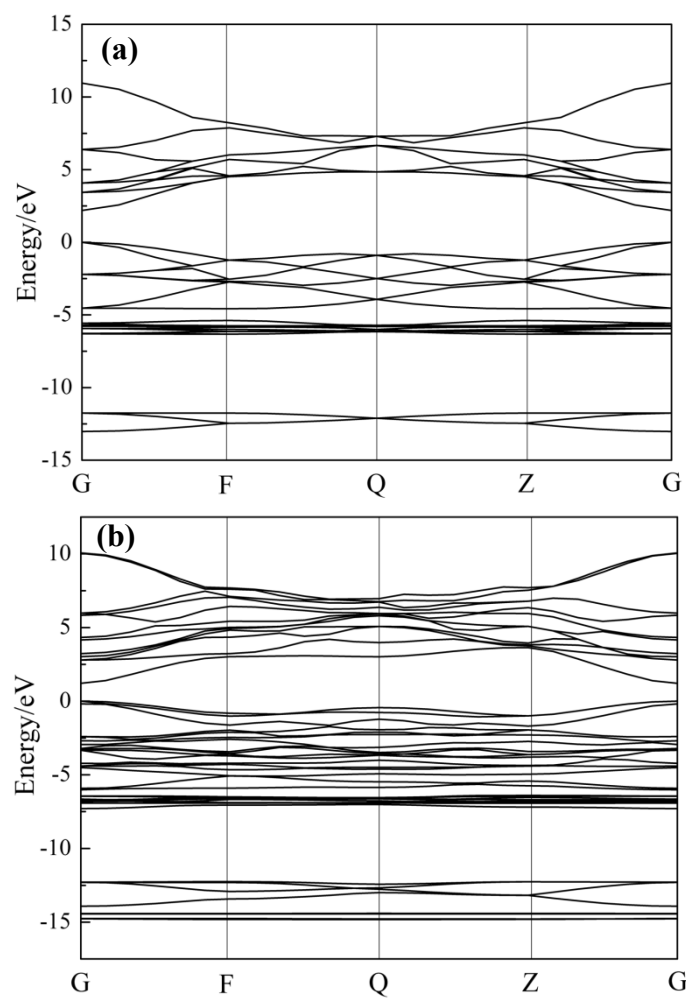


Figure S1 Band structure of (a) ZnS and (b) Ag/Cu co-doped ZnS-In₂S₃.

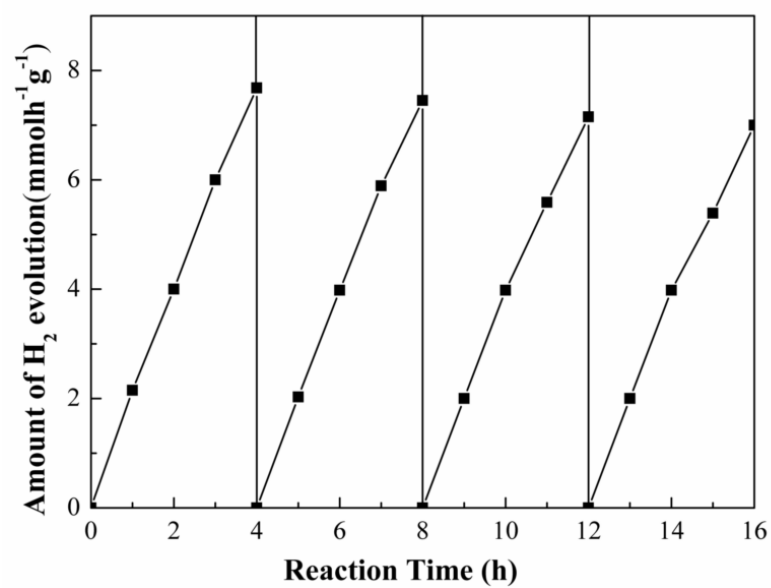


Figure S2 Photo-stability of Ag/Cu co-doped ZnS-In₂S₃.

Table S1 Molar ratio of metal ions in the samples

Ag/mL	Cu/mL	In/Zn	Ag/Zn	Cu/Zn
0	0	0.17	-	-
0.1	0	0.16	0.0039	-
0.1	0.1	0.16	0.0037	0.0035
0.1	0.2	0.16	0.0037	0.0076
0.2	0.2	0.15	0.0077	0.0077
0.2	0.3	0.16	0.0076	0.012
0.3	0.2	0.15	0.012	0.0074