Electronic Supplementary Material

Construction of hollow In₂S₃/CdIn₂S₄ heterostructure with high efficiency for Cr(VI) reduction

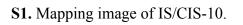
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Table S1. The content of ions $(Cd^{2+}, In^{3+} \text{ and } Cr^{3+})$ after every cycling photocatalytic reduction of Cr(VI) using IS/CIS-10 sample.



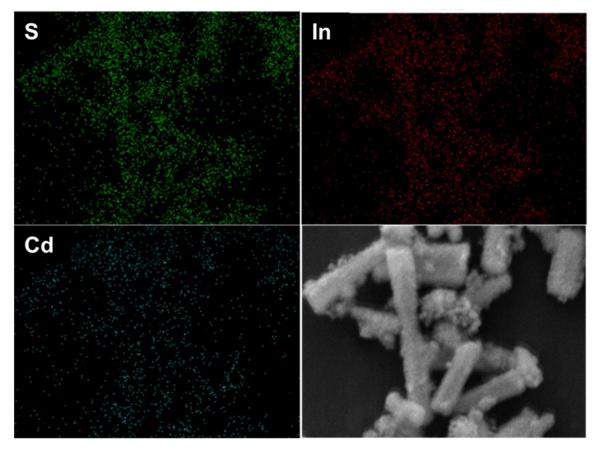


Figure S1. Mapping image of IS/CIS-10.

S2. Photoluminescence spectra of In_2S_3 and IS/CIS-5,10 and $CdIn_2S_4$.

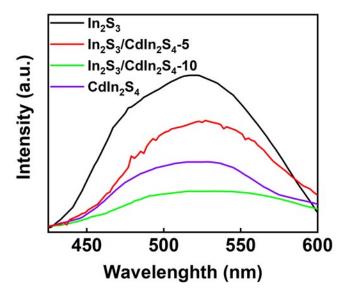


Figure S2. Photoluminescence spectra of In₂S₃ and IS/CIS-5,10 and CdIn₂S₄.

S3. SEM image of IS/CIS-10-AF.

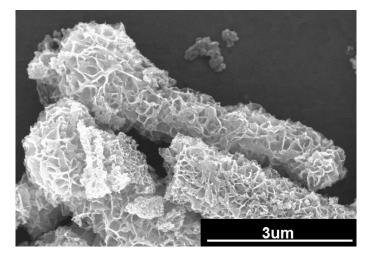


Figure S3. SEM image of IS/CIS-10-AF.

S4. SEM and TEM image of $CdIn_2S_4$

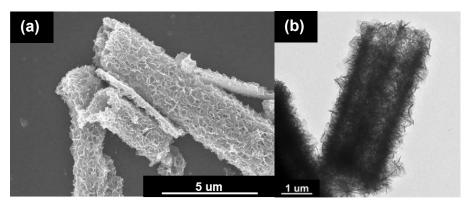


Figure S4. SEM and TEM images of CdIn₂S₄.

Table S1

The content of ions (Cd²⁺, In^{3+} and Cr^{3+}) after every cycling photocatalytic reduction of Cr(VI) using IS/CIS-10 sample.

Times	1	2	3	4	5
Cd^{2+} (mg/L)	0.003275	0.003261	0.002371	0.002819	0.003817
In ³⁺ (mg/L)	0.002674	0.003613	0.003112	0.004671	0.002716
$Cr^{3+}(mg/L)$	0.003912	0.004347	0.002919	0.002518	0.002996