

Ultrafast charge separation in WC@C/CdS heterojunction enables efficient visible-light-driven hydrogen generation

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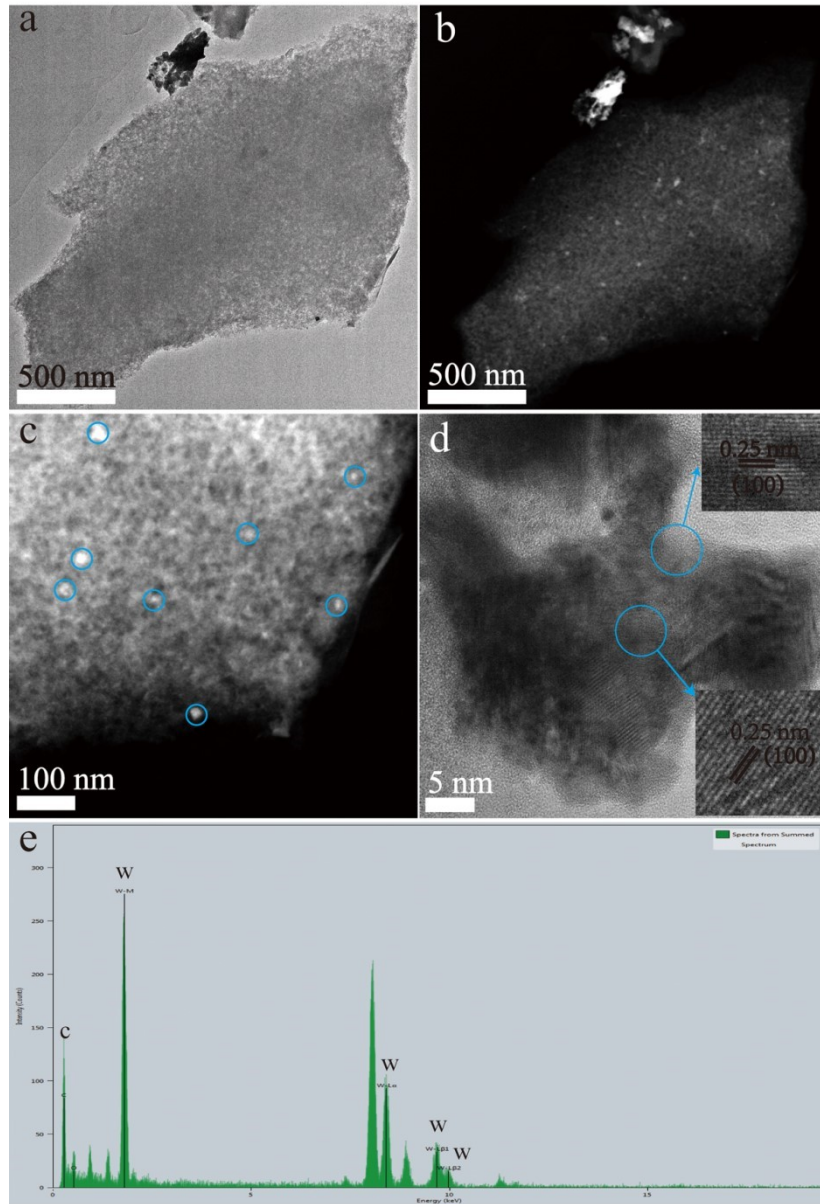


Fig. S1 (a-d) TEM、STEM and HRTEM images of WC@C, (e) EDX image of WC@C sample

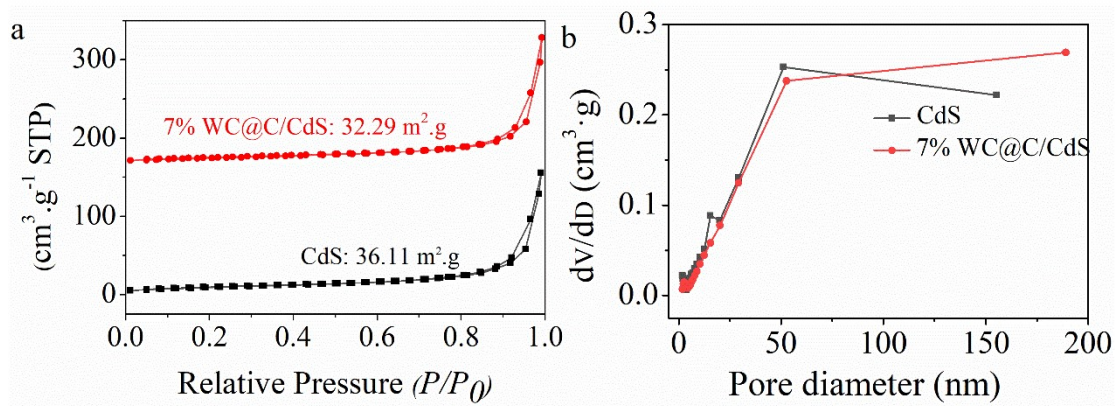


Fig. S2 (a) N_2 adsorption–desorption isotherms, (b) pore size distribution of the CdS and WC@C (7 wt%)/CdS samples.

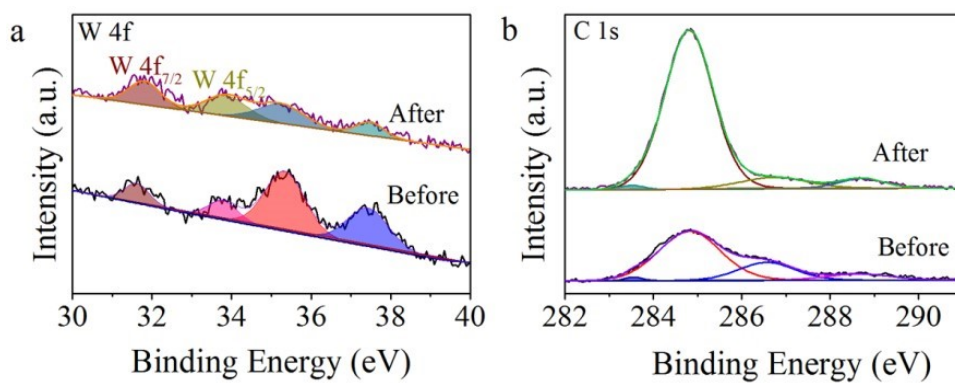


Fig. S3 XPS spectra of (a) W 4f and (b) C 1s of WC@C (7 wt%)/CdS before and after photocatalytic reaction