

Supporting Information for

Dual-functional photocatalysis for hydrogen evolution from industrial wastewaters

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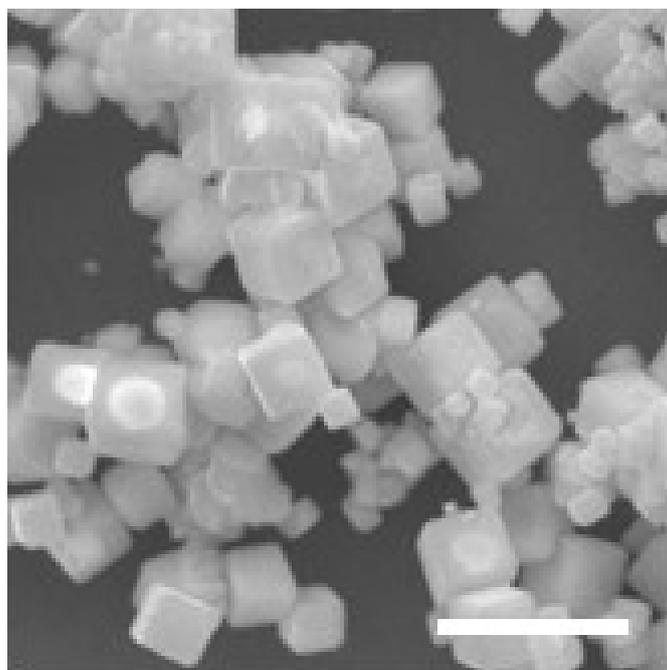


Fig. S1. SEM image of Cu₂O cube in low magnitude. The scale bar represents 1 μm .

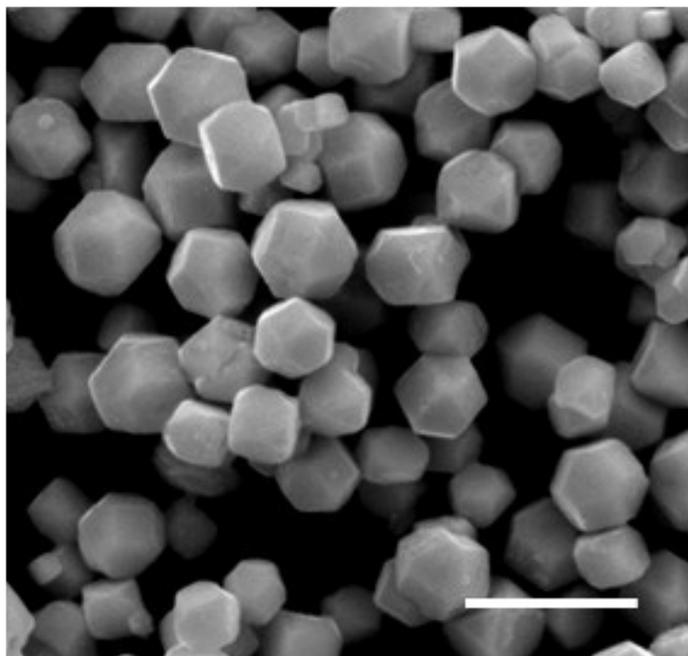


Fig. S2. SEM image of Cu₂O truncated cube in low magnification. The scale bar represents 1 μm .

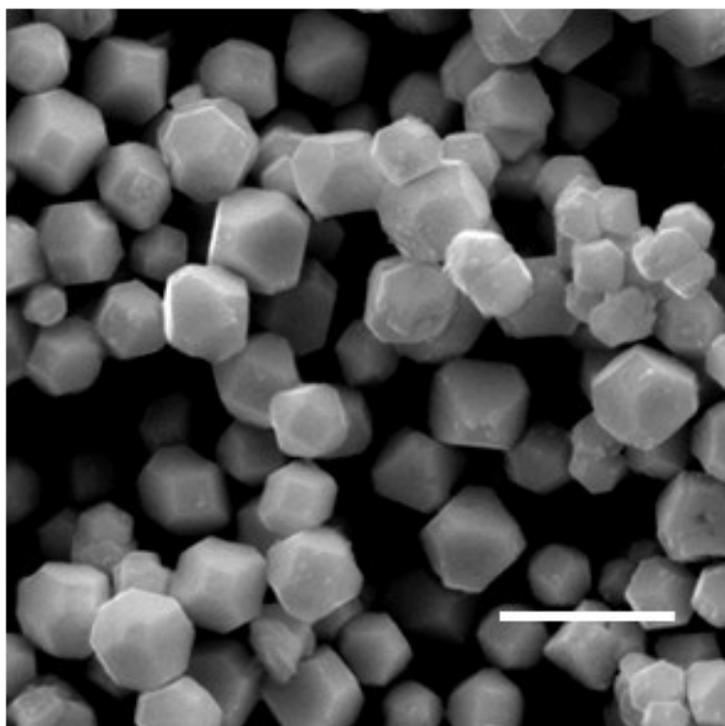


Fig. S3. SEM image of Cu₂O cubooctahedron in low magnification. The scale bar represents 1 μm .

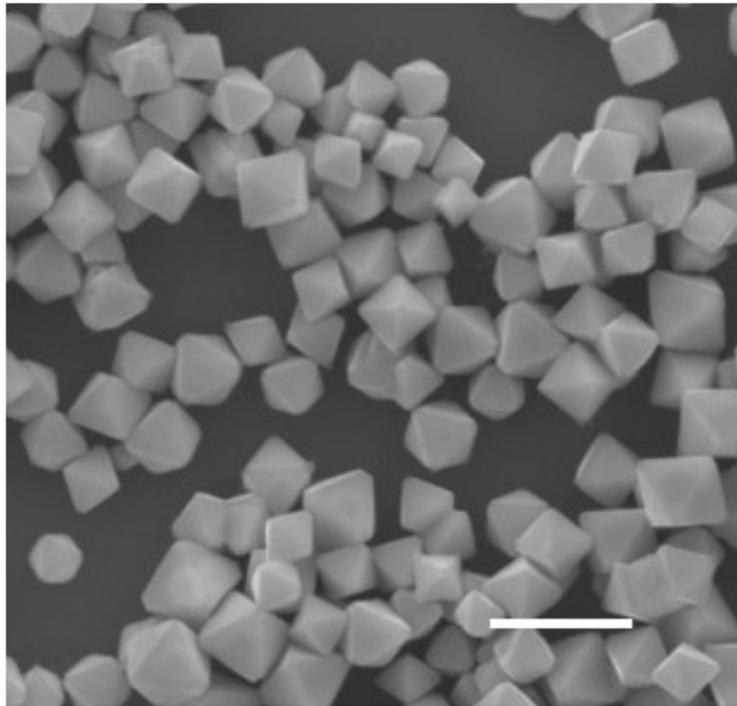


Fig. S4. SEM image of Cu₂O truncated octahedron in low magnification. The scale bar represents 1 μm .

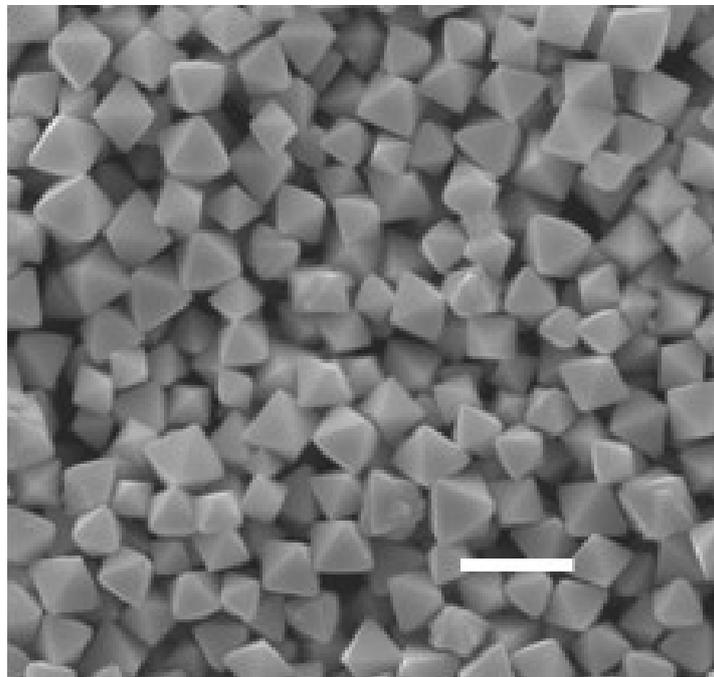


Fig. S5. SEM image of Cu₂O octahedron in low magnification. The scale bar represents 1 μm .

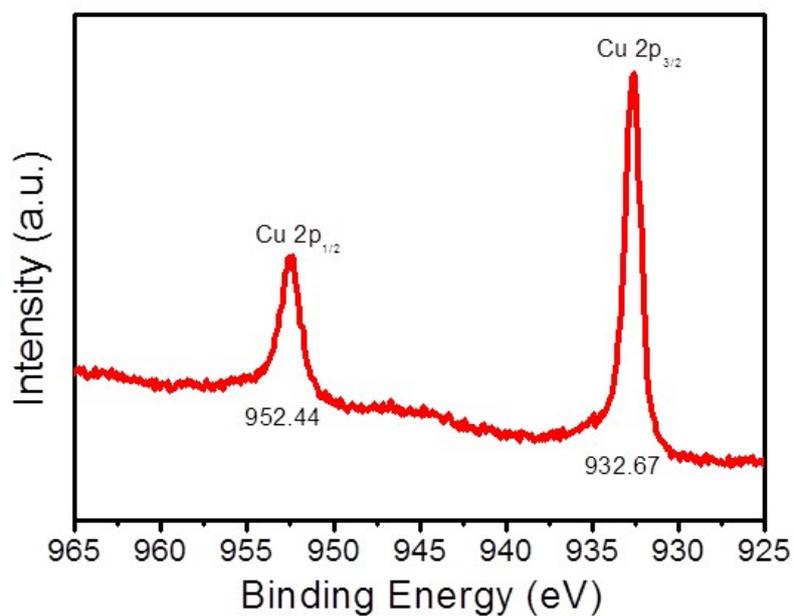


Fig. S6. Cu 2p XPS pattern of Cu₂O.

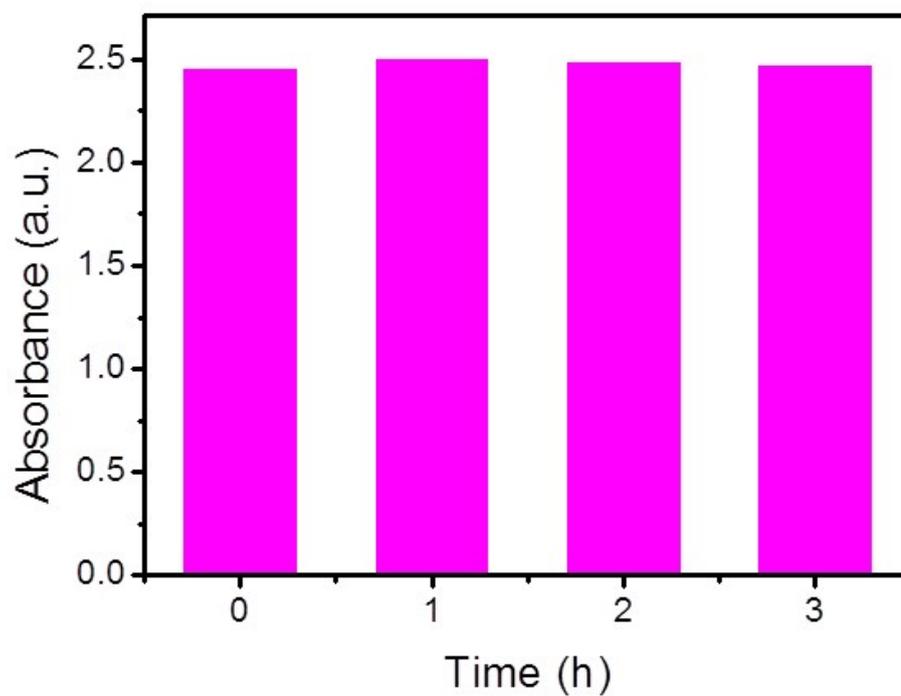


Fig. S7. The absorbance variation of the RhB solution without photocatalyst (characteristic wavelength is set as 554 nm).

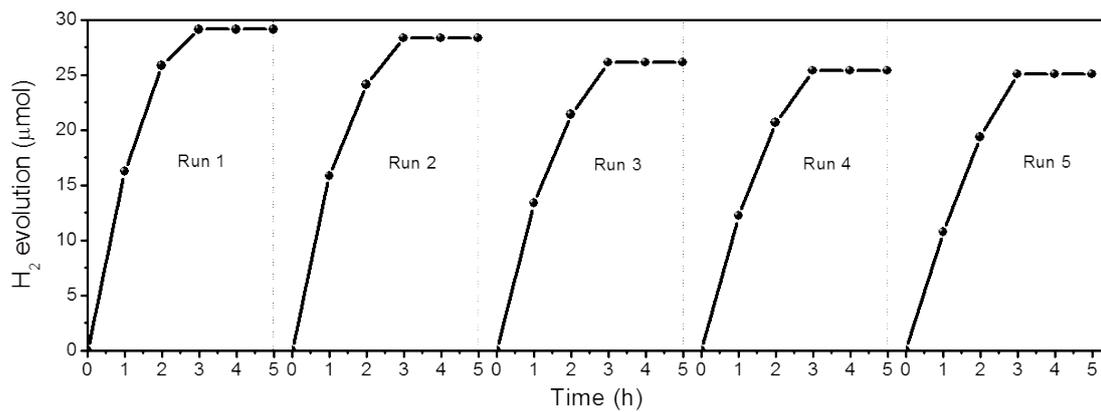


Fig. S8. Cycling tests of the photocatalyst under AM 1.5 irradiation.

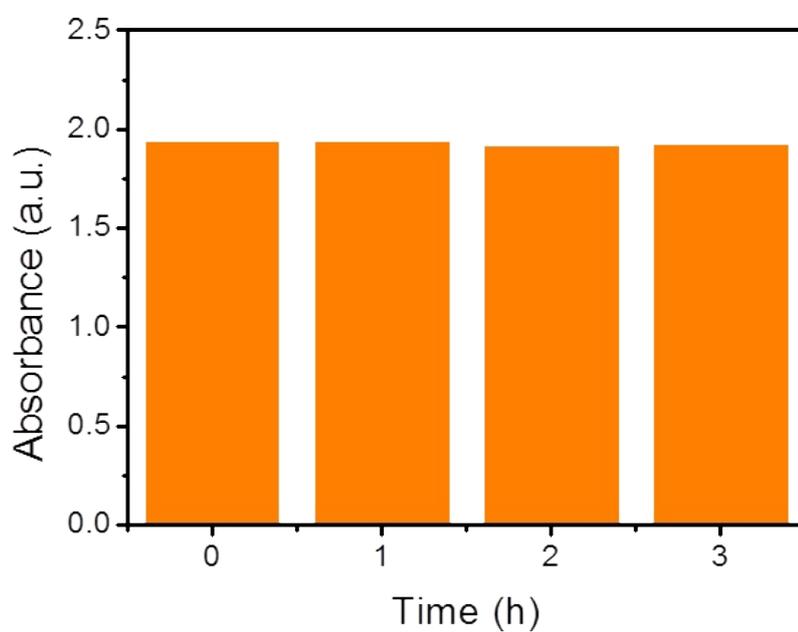


Fig. S9. The absorbance variation of the MO solution without photocatalyst (characteristic wavelength is set as 464 nm).

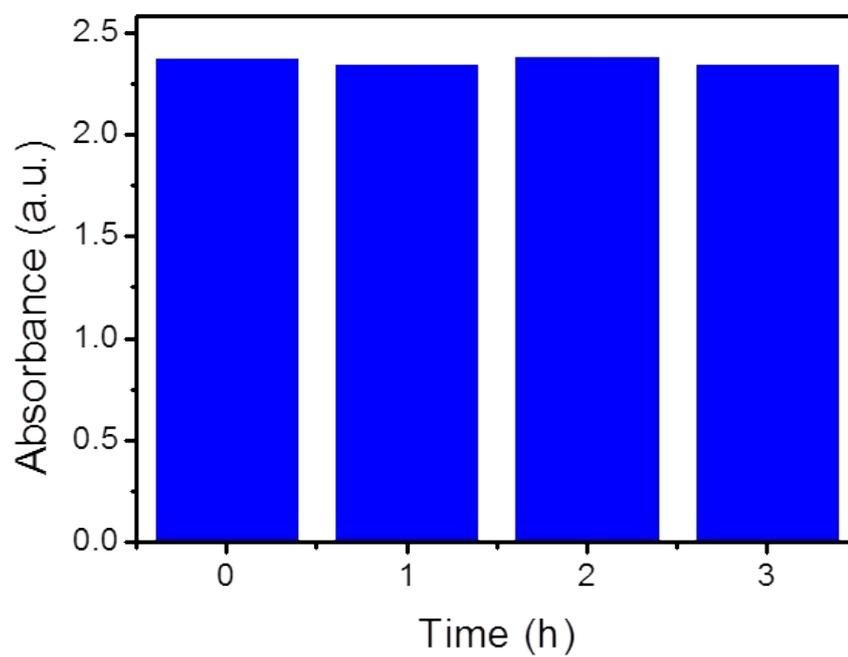


Fig. S10. The absorbance variation of the MB solution without photocatalyst (characteristic wavelength is set as 664 nm).