Electronic Supplementary Information

Copper (II) Tungstate Nanoflake Array Films: Sacrificial Template Synthesis, Hydrogen Treatment, and Their Application as Photoanodes in Solar Water Splitting

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Fig. S1 TEM images and SAED patterns of WO$_3$ and CuWO$_4$ nanoflakes

Fig. S1 TEM images of WO$_3$ (a-d) and CuWO$_4$ (a’-d’). SEAD patterns of WO$_3$ (e) and CuWO$_4$ (e’).
Fig. S2 Linear potential sweep measurements of CuWO$_4$ and H-treated CuWO$_4$ in 0.1 M phosphate buffer (pH 7)

![Graph showing current density-potential responses of CuWO$_4$ and H-treated CuWO$_4$](image)

**Fig. S2** Current density-potential responses of the H-treated CuWO$_4$ photoanodes in 0.1 M sodium phosphate buffer solution (pH 7) at potential sweep rate of 10 mV·s$^{-1}$ in the dark and under illumination (100 mW·cm$^{-2}$). The current density-potential response of the CuWO$_4$ photoanode is also presented for comparison.