Electronic Supplementary Information (ESI) for

Increased Photocurrent of CuWO₄ Photoanodes by Modification with the Oxide Carbodiimide Sn₂O(NCN)

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Supplement:

Fig. S1 Electronic structures of Sn₃O(NCN), SnO, SnO₂ and Sn₃O₄. Band edge potentials are referenced to RHE.

Fig. S2 LSV of several CuWO₄/ Sn₂O(NCN) photoanodes with different amounts of added Sn₂O(NCN). Measurements were performed in 0.1 M K/NaP, electrolyte (pH 7.0) with scan at rate of 10 mV s⁻¹ under AM 1.5G illumination.

Fig. S3 CA of CuWO₄/ Sn₂O(NCN) photoanodes at 1.23 V vs. RHE for stability test. Measurements were performed in 0.1 M K/NaP, electrolyte (pH 7.0) under interrupted illumination.

Fig. S4 CA of CuWO₄/Sn₂O(NCN)/cobalt phosphate (CoP₄) photoanodes at 1.23 V vs. RHE. Measurements were performed in 0.1 M K/NaP, electrolyte (pH 7.0) under interrupted AM 1.5G illumination.
**Fig. S1** Electronic structures of Sn$_2$O(NCN), SnO, SnO$_2$ and Sn$_3$O$_4$. Band edge potentials are referenced to RHE.

**Fig. S2** LSV of several CuWO$_4$/Sn$_2$O(NCN) photoanodes with different amounts of added Sn$_2$O(NCN). Measurements were performed in 0.1 M K/NaPi electrolyte (pH 7.0) with scan at rate of 10 mV s$^{-1}$ under AM 1.5G illumination.

**Fig. S3** CA of CuWO$_4$/Sn$_2$O(NCN) photoanodes at 1.23 V vs. RHE for stability test. Measurements were performed in 0.1 M K/NaPi electrolyte (pH 7.0) under interrupted illumination.
Fig. S4 CA of CuWO₄/Sn₂O(NCN)/cobalt phosphate (CoPᵢ) photoanodes at 1.23 V vs. RHE. Measurements were performed in 0.1 M K/NaPᵢ electrolyte (pH 7.0) under interrupted AM 1.5G illumination. CoPᵢ was deposited as in our previous work (ACS Appl. Mater. Interfaces 2019, 11, 21, 19077-19086).