

## Supporting Information

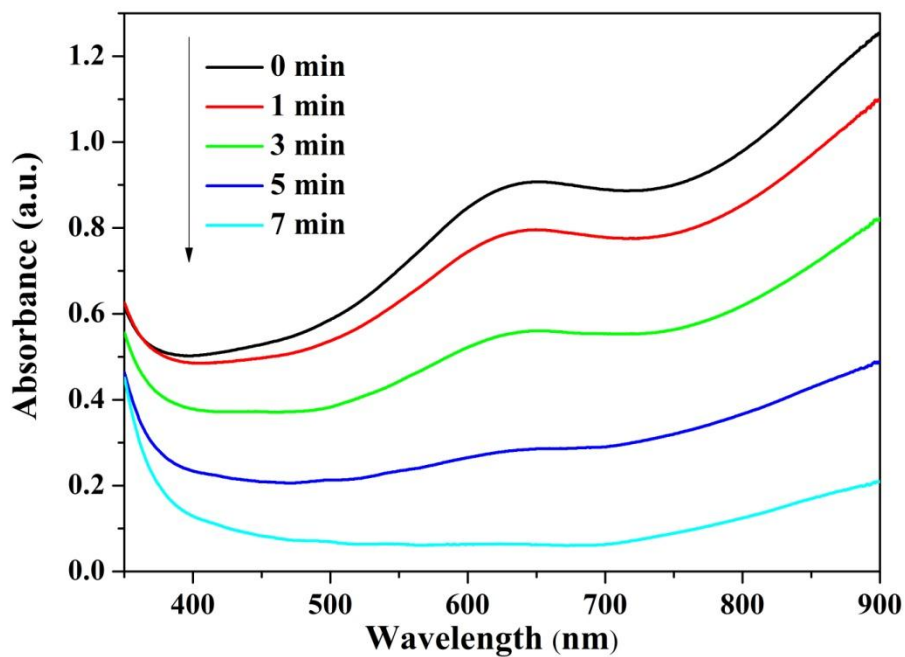
### **Artificial photosynthesis for solar hydrogen generation over transition-metal substituted Keggin-type titanium tungstate**

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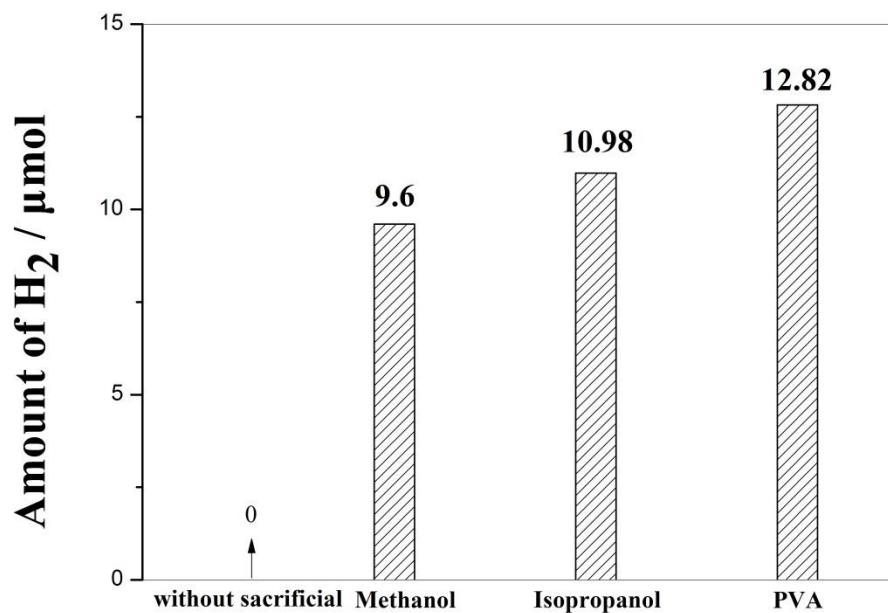
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**Fig. S1** Absorbance variation of HPB (TiW<sub>11</sub>Co) over visible light (400-760 nm) irradiation time.



**Fig. S2** H<sub>2</sub> evolution over TiW<sub>11</sub>Co under the different electron donors. Reaction conditions: 0.05

mM TiW<sub>11</sub>Co, pH=1.0, irradiation time 3 h.