

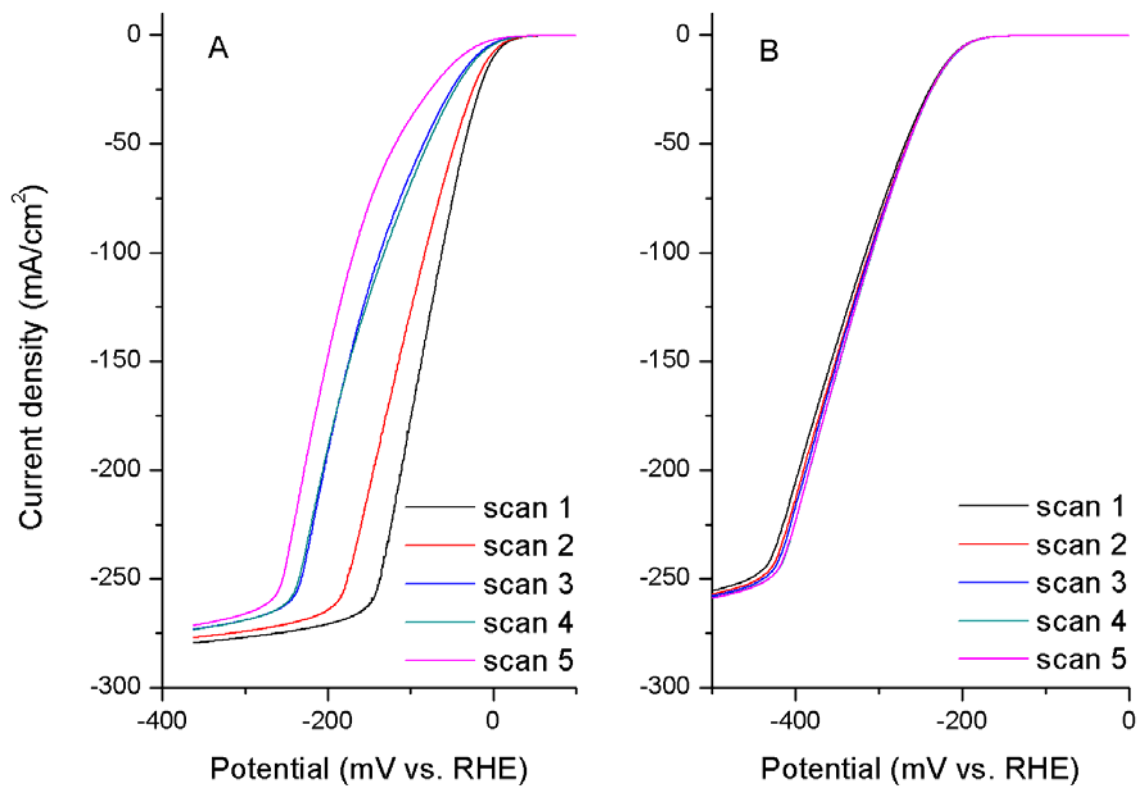
## Electronic Supplementary Information

### Recent developments of molybdenum and tungsten sulfides as hydrogen evolution catalysts

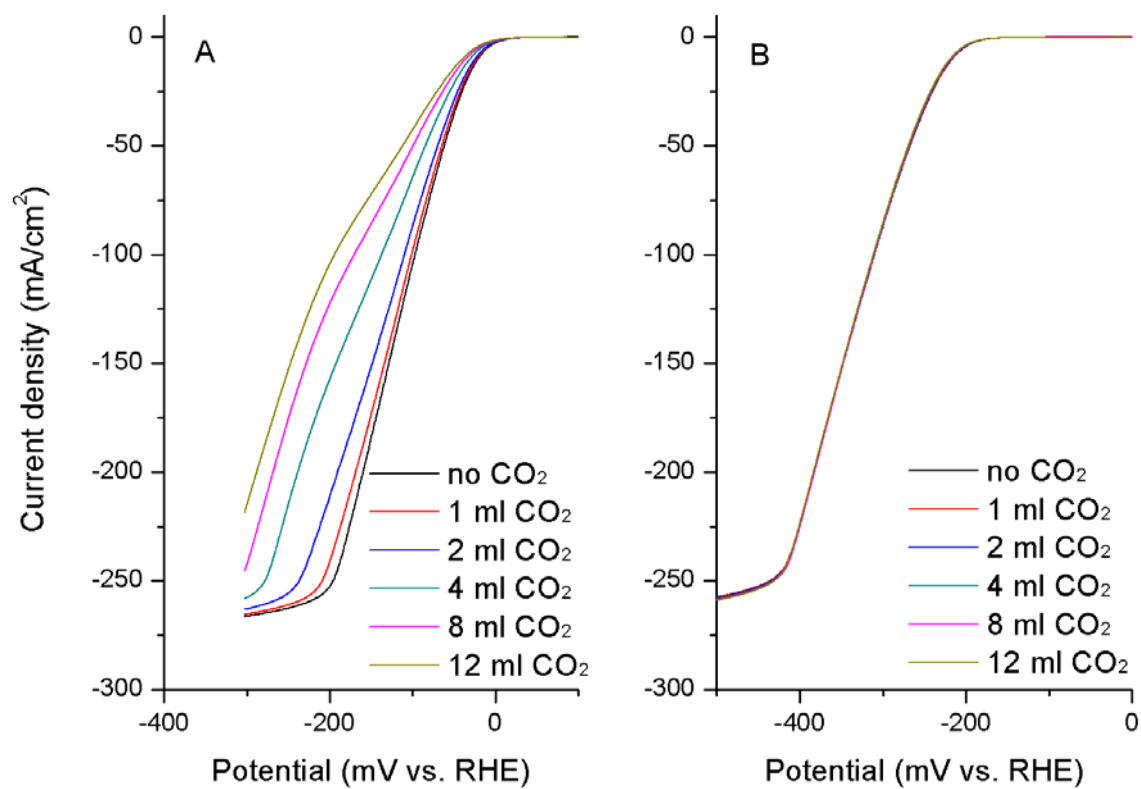
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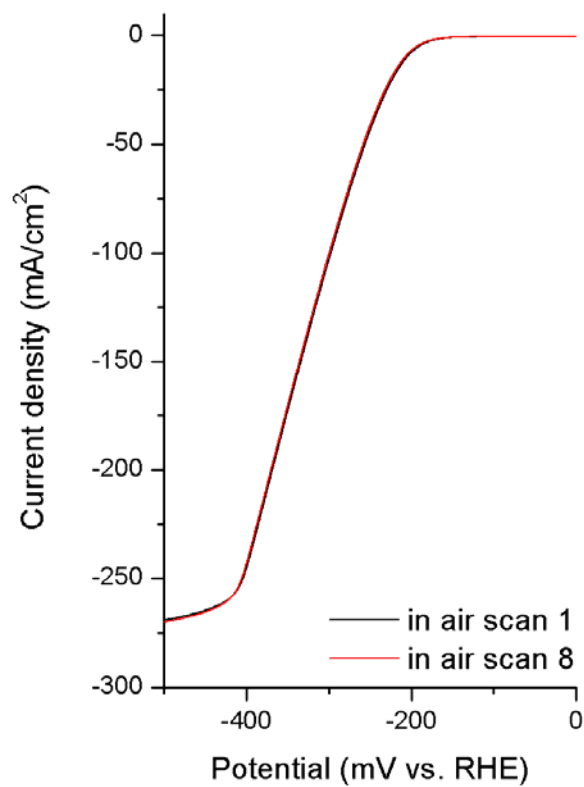
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**Figure S1.** Consecutive polarization measurements with a platinum rotating disk electrode (**A**) and with amorphous MoS<sub>3</sub> on a rotating glassy carbon disk electrode (**B**) in 1.0 M H<sub>2</sub>SO<sub>4</sub>; 2 mV/s, 4500 rpm.



**Figure S2.** Polarization curves with a platinum rotating disk electrode (A) and with amorphous MoS<sub>3</sub> on a rotating glassy carbon disk electrode (B) before and after the injection of CO<sub>2</sub> into the solution (1.0 M H<sub>2</sub>SO<sub>4</sub>); 2 mV/s, 4500 rpm.



**Figure S3.** Consecutive polarization measurements with amorphous MoS<sub>3</sub> on a rotating glassy carbon disk electrode in an air saturated 1.0 M H<sub>2</sub>SO<sub>4</sub>; 2 mV/s, 4500 rpm.