

Investigation into ALD-Cu_x as a precatalyst for electrochemical CO₂ reduction

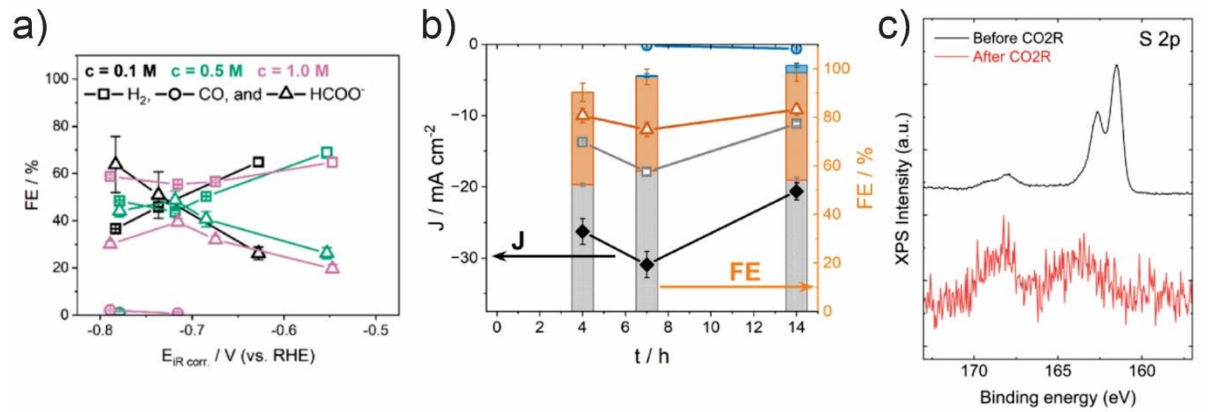


Figure 1: a) Effect of KHCO_3 concentration on the Faradaic efficiency (FE) of different reduction products. b) Product distribution after 4, 7 and 14 hours of CO_2 electrolysis in 0.5 M KHCO_3 solution at 40 °C. Gray columns and symbols for H_2 , orange for formate, blue for CO . c) XPS analysis of the electrode before and after electrolysis, showing that most of the S disappeared during electrolysis. Figures reproduced from ref. 1: M. Suominen et. al. *Materials Today Sustainability* 24 (2023) 100575.