

Electrochemical behaviors of PEMFC anode catalyst in the presence of CO

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As the fuel cell for proton exchange membrane fuel cell(PEMFC), hydrogen-rich gases containing trace amounts of CO are fed to the anode. fully tolerant anode to CO poisoning is considered to be the ideal anode. However, the most active Pt electrode is extremely susceptible to CO.

Diverse binary and ternary catalysts are differently prepared and the reaction mechanisms are actively being searched to overcome the abovementioned difficulties.

This presentation will address the practical aspects of the preparation of PEMFC anode tolerant to CO poisoning.