

Effect of novel metal loading on copper-ceria catalysts performance in CO selective oxidation for PEMFC

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Proton exchange membrane fuel cell(PEMFC) is promising energy source in the future. However, hydrogen has many problems to distribution and storage. In addition to reforming gas has a contains small quantity of CO, which has a poisoning of Pt anode in the PEMFC. PROX has been recognized as one of the most straightforward and cost-effective methods to achieve acceptable CO concentrations. We studied effect of novel metal (Pt, Ru, Pd) loading over 20 % copper-ceria catalyst, each catalysts are prepared impregnation method.