HYDROGEN SPILLOVER BOOSTED PLATINUM/CARBON ELECTROCATALYSTS

ABSTRACT

Herein disclosed is an electrocatalyst comprising: a carbon support; a catalyst disposed on the carbon support, wherein the catalyst comprises platinum; and an interface layer disposed between and in contact with the carbon support and the catalyst, wherein the interface layer renders hydrogen atom chemisorbed on the catalyst to migrate to the carbon support and have the hydrogen atom released from the carbon support as hydrogen gas. Also, herein disclosed are a microcell device comprising the electrocatalyst and a method of forming the electrocatalyst.

No suitable figure to be published with abstract