

Polyol Synthesis Assisted by Microwave for Preparation of Pt-Pd Alloy/ Graphene Catalyst

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Graphene has attracted much attention as catalyst supports because of its outstanding properties. The common way to make carbon supported catalyst is polyol synthesis. This method usually contains time-consuming heating process. To overcome this, a microwave-assisted polyol process was used. The process is a quick process that only requires a few minutes to complete.

The crystalline structure was observed by X-ray diffraction (XRD) analysis and the electrochemical behaviors of the catalyst were investigated according to their characteristic current-voltage curves.