Special Issue

Size-Controlled PdPt Bimetal Nanocrystals and Their Electrocatalytic Properties in the Oxidation of Methanol

Message from the Guest Editor

Following the successful preparation of a series of PdPt nanoparticles, it was found that their shape and size could be controlled by simply varying the concentration of cetyltrimethylammonium chloride at high temperatures. Both spherical and multi-pod NPs demonstrated electrochemical properties in the ethanol oxidation reaction; however, multi-pod PdNPs exhibited superior activities due to their high surface areas and surface energies. This work is expected to be applicable in the development of new fuel cells for the alcohol oxidation reaction.

Guest Editor

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