Abstract Format

Title:

Authors: (Please underline the presenting author and put * by the faculty adviser)

Affiliation:

Division: Analytical, biochem, inorganic, organic, or physical, etc.

Email: (of the presenting author)

Category: oral (undergraduate or graduate) or poster (community college or High school)

Abstract (up to 150 words)

Example below

Recent Advances of the Non-thermal Plasma Technology for Catalyst Development and Design

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Category: oral, Graduate

Abstract

Non-thermal plasma technology has recently been successfully applied to modify and promote supported metal catalysts. Materials with unique and promising catalytic properties have been reported and reviewed. There are two situations where applying plasma treatment in catalyst preparation is advantageous (a) modifying and tuning the interaction between metal and support such that particle size and metal-support interaction can be controlled, (b) removing encapsulation agents to form nanoparticles such that new methods based on colloidal preparation of metal nanoparticles can be employed. The evidences in these two areas will be discussed and summarized.