



第205回触媒化学研究センター—談話会 電気化学会北海道支部講演会

Design and Electrochemical Study of Nanostructured Materials for Green Chemistry Applications

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北海道大学創成科学研究棟4階セミナー室 04-213/4 号室

Nanotechnology involves the construction and use of functional structures designed from nanomaterials. Research into nanomaterials is a multidisciplinary effort that involves chemists, physicists, materials scientists, electrical engineers, biological and, possibly, medical scientists. Synthesis of nanostructured materials with high surface areas has received significant interest due to their unique properties and a number of impressive applications in catalysis, fuel cells, chemical/electrochemical sensors, and wastewater treatment. In this talk, synthesis and characterization of nanostructured Pt, IrO₂ and TiO₂ materials will be presented. Their electrochemical and photo-catalytical properties as well as their applications in Green Chemistry will be addressed.

(Aichen CHEN先生はCanada Research Chairとしてご活躍の研究者で、日本学術振興会外国人招へい研究者(短期)として大谷研究室に滞在中です)

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