



第173回触媒化学研究センター談話会

演 題 : Novel aspects of the theory of
electrocatalytic reactions

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日 時 : 2 0 0 4 年 11 月 25 日 (木)
15 : 30 - 17 : 00

会 場 : 北海道大学創成科学研究棟
4階 セミナー室 04 -215 号室

要 旨 : Although the basic principles of the theory
of electrocatalytic reactions (ECR) were formulated before
WWII, the understanding of the specifics of such reactions is
still limited. In my talk, I will discuss the following aspects
of this subject:

1. The role of the field fluctuations in ECR
2. ECR accompanied by island formation
3. Stripping voltammetry on nm-sized catalyst particles
4. ECR on catalyst particles with three-phase boundaries

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