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Vapor-Phase Catalysis; Electrocatalysis; Liquid-Phase Catalysis; Surface Science; Semiconductors; Electrocatalytic Oxidation of Ammonia on Transition-Metal

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Catalysis and electrocatalysis at nanoparticle surfaces. Edited by Andrzej Wieckowski, Elena R Savinova and Constantinos G Vayenas. Marcel Dekker, New York, 2003.

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reaction occurring on an electrode surface. Electrocatalysis is a type of catalysis that results in the Electrocatalysis; Nanoparticles.

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5 characterization and modification of electrode

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Koutecky-levich analysis applied to nanoparticle

Koutecky-Levich analysis applied to nanoparticle modified rotating disk electrodes: Electrocatalysis or nanoparticles, electrocatalysis, catalysis for oxygen

Designing materials for electroanalysis,

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Model approach to evaluate particle size effects

J.A. Martens, P. Grande, G. Poncelet (Eds.), Studies in Surface Science and Catalysis Catalysis and Electrocatalysis at Nanoparticle Surfaces, MD

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after which the water molecule desorbs from the catalyst surface. One common type of fuel cell electrocatalyst is based upon nanoparticles of platinum that

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Metal nanoparticles are materials of great scientific interest with a vast number of applications. In catalysis, also including electrocatalysis, the use of metal

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catalytic reactions occurring on nanoparticle surfaces will be Catalysis and Electrocatalysis at Nanoparticle Surfaces (New York: Dekker) [47] Valentini F,

Selective electrocatalysis on platinum

Selective Electrocatalysis on Platinum Nanoparticles with Topics in Catalysis The "cathodic corrosion" method for nanoparticle synthesis has been

Paper supports in electrocatalysis: weak contact

Abstract. Paper surfaces (Whatman filter papers, Kimwipes , and Japanese Washi papers) were employed as support for gold nanoparticles (AuNPs) deposited by the seed

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