Catalysis in Electrochemistry: From Fundamental Aspects to Strategies for Fuel Cell Development

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DESCRIPTION

Catalysis in Electrochemistry: From Fundamental Aspects to Strategies for Fuel Cell Development is a modern, comprehensive reference work on catalysis in electrochemistry, including principles, methods, strategies, and applications. It points out differences between catalysis at gas/surfaces and electrochemical interfaces, along with the future possibilities and impact of electrochemical science on energy problems. This book contributes both to fundamental science; experience in the design, preparation, and characterization of electrocatalytic materials; and the industrial application of electrocatalytic materials for electrochemical reactions. This is an essential resource for scientists globally in academia, industry, and government institutions.

ABOUT THE AUTHOR

Elizabeth Santos received her PhD in physical chemistry from the University of Córdoba, Argentina. Her research interests in electrocatalysis include interfacial electrochemistry, single crystal surfaces, second harmonic generation, and electron transfer reactions.

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