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Advanced Nanomaterials and Mechanistic Studies for Energy Electrocatalysis

Guest Editors:

Dr. Kuikui Wang

Institute of Materials for Energy and Environment, College of Materials Science and Engineering, Qingdao University, Qingdao 266071, China

Prof. Dr. Ruguang Ma

School of Materials Science and Engineering, Suzhou University of Science and Technology, Suzhou, China

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Message from the Guest Editors

Energy electrocatalysis is an important branch of electrochemistry involving the interaction between electrical and chemical reactions in an electrochemical cell. Additionally, the activity and kinetics of an electrochemical reaction are highly influenced by the composition and structure of electrocatalysts. Advanced electrocatalysts, especially nanostructured materials, usually show different electrocatalytic reaction activities and reaction paths from bulk counterparts. Moreover, surface reconstruction, catalyst–support interactions or the interface engineering of nanostructures often remarkably affect the underlying reaction mechanisms, leading to high-performance electrocatalysts.

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> Dr. Kuikui Wang Guest Editor









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Prof. Dr. Maryam Tabrizian

 Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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