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Advanced Nanomaterials and Mechanistic Studies for Energy Electrocatalysis

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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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