catalysts

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Electrocatalysts for Energy Conversion and Storage-Related Reactions

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Message from the Guest Editors

The design and development of catalysts for electrochemical reactions have attracted widespread attention because of their vital role in various energy storage and conversion devices, such as fuel cells, water splitting devices, and metal–air batteries. However, commonly employed noble metal catalysts are expensive, and instable due to the corrosion of carbon support and metal dissolution. In recent years, there has been significant emphasis and progress in developing efficient and robust bifunctional or trifunctional electrocatalysts. This Special Issue seeks contributions in advanced electrocatalysts, including synthesis, characterization, and the evaluation of activity and performance in oxygen reduction reactions (ORR), oxygen evolution reactions (OER) and hydrogen evolution reactions (HER).