Special Issue

Electrocatalysts: Recent Advances and Applications

Message from the Guest Editor

Electrocatalysis, the science of accelerating electrochemical reactions using catalysts, holds pivotal significance in various fields including energy conversion, environmental protection, and industrial processes. The development of efficient and stable electrocatalysts has become pivotal in advancing technologies such as fuel cells, electrolyzers, and metal/air batteries, aiming to address global challenges in sustainable energy and environmental preservation. This Special Issue delves into recent advancements and applications in the realm of electrocatalysis, elucidating novel materials, synthesis methodologies, and mechanistic insights driving progress in this domain. By exploring cutting-edge research and breakthroughs, this collection seeks to provide a comprehensive overview of the state-of-the-art in electrocatalyst development and its diverse applications, fostering interdisciplinary collaborations and inspiring future innovations in the field.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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