

Special Issue

Carbon-Based Nanomaterials for Electrocatalysis

Message from the Guest Editor

This Special Issue aims to provide a comprehensive overview of the latest experimental and theoretical advancements in carbon-based nanomaterials for electrocatalysis. We invite contributions that explore the design, synthesis, and characterization of novel carbon-based nanomaterials for various electrocatalytic reactions. We are particularly interested in manuscripts that showcase the realization of Pt-free and noble metal-free electrocatalysts using carbon-based nanomaterials. Both fundamental and applied studies, focusing on investigating catalysts in realistic environments and improving stability, are encouraged. The goal of this Special Issue is to compile a collection of manuscripts that reflect state-of-the-art carbon-based nanomaterials for electrocatalysis and inspire further research in this exciting field.

Guest Editor

Dr. Suxia Ren

Institute of Urban & Rural Mining, Changzhou University, Changzhou 213164, China

Deadline for manuscript submissions

closed (15 July 2025)



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Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

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