

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

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Deadline for manuscript submissions

closed (15 July 2025)



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