# Special Issue

# Application of Graphene-Based Materials in Nanocatalysis

## Message from the Guest Editors

Graphene is one of the most promising functional materials, consisting of a single layer of carbon atoms. Its unique two-dimensional (2D) honeycomb structure gives graphene high thermal and electrical conductivity and large specific surface area. Thus, it has been extensively used as a key component for developing advanced catalysts in various reactions ranging from catalytic oxidation to reduction and coupling reactions. Graphene, as a 2D substrate material, can also bridge between naturally existing enzymatic biocatalysts and synthetic heterogeneous catalysts to realize non-precious-metal catalyst design. To stimulate further development, this Special Issue welcomes the submission of review, perspective, and original research articles on graphene-based catalysts for both thermal catalysis and electrocatalysis.

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## Deadline for manuscript submissions

closed (31 August 2021)

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