



Advanced Earth-Abundant Catalysts for Energy Related Electrochemistry

Guest Editors:

Dr. Lichen Bai

Department of Interface Science,
Fritz-Haber-Institute of Max-
Planck-Society, 14195 Berlin,
Germany

Dr. Jun Gu

Department of Chemistry,
Southern University of Science
and Technology, Shenzhen
518055, China

Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to compile a set of manuscripts about advanced electrocatalysts composed of earth-abundant elements for energy related electrochemical reactions, including hydrogen evolution, CO₂ reduction, ammonia production, and the related anodic reactions. Additionally, we are also interested in new mechanistic insights into catalysts using in situ/operando characterization. The combination of various techniques is expected.

Keywords

- water splitting
- CO₂ reduction
- ammonia production
- electrocatalysts
- reaction mechanisms
- in situ/operando characterization

