



an Open Access Journal by MDPI

Electrocatalysis: From Catalytic Reactions to Energy Storage and Sensing Applications

Guest Editors:

Dr. Qiuchen Dong

Department of Chemistry, Xi'an Jiaotong-Liverpool University, No. 111 Ren Ai Road, Suzhou Industrial Park, Suzhou 215123, China

Dr. Lei Jin

The Koch Institute for Integrative Cancer Research, Massachusetts Institute of Technology, Cambridge, MA 02139, USA

Deadline for manuscript submissions: closed (31 December 2021)



Message from the Guest Editors

Dear Colleagues,

Electrocatalysis has recently been highlighted in the development renewable of energy and biomolecules/chemical sensing applications considering the internal catalytic advantages of the surface reactions. This Special Issue is expected to further expand and facilitate the exposure of current studies in the related area, and to cover recent progress in electrocatalysis, biomedical/chemical sensors, and energy storage devices, including advanced materials and innovative technologies. Authors are encouraged to submit original research articles and review papers. The subtopics will include but not be limited to:

- 1. Electrocatalysis: hydrogen evolution, oxygen evolution, O2 reduction, N2 reduction, etc.;
- 2. Energy storage devices: supercapacitors, metal ion batteries, metal air batteries, fuel cells, etc.;
- 3. Biomedical/chemical sensors: glucose sensors, hydrogen peroxide, and pH sensors, etc.

Potential authors are encouraged to consult with the Guest Editor before preparing their manuscript to make sure the research topics are in line with the proposed Special Issue.

