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Advanced Materials for Electrocatalysis and Energy Storage

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Deadline for manuscript submissions:
30 September 2024

Message from the Guest Editors

Dear Colleagues,

Electrocatalysis and energy storage are currently hot research topics, which can provide effective solutions to the energy crisis and sustainable development. Electrocatalysis technology can be used in many ways, such as for hydrogen production. Energy storage devices such as rechargeable batteries and electrochemical capacitors deeply influence the development of electronic products and electric vehicles. Accordingly, we are launching this new Special Issue of *Coatings* titled "Advanced Materials for Electrocatalysis and Energy Storage", which will focus on the fundamental and application areas of advanced materials for electrocatalysis and energy storage.

In this Special Issue, research areas may include (but are not limited to) the following:

- Batteries;
- Electrochemical capacitors;
- Electrocatalysis materials and applications;
- Synthesis, analysis, or mechanism research of advanced materials;
- Theoretical calculation of advanced materials for electrocatalysis and energy storage;

We look forward to receiving your contributions.

Dr. Qinglin Deng

Dr. Zhonghui Sun

Guest Editors

mdpi.com/si/113059

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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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