



Innovative Films and Coatings Applied to Electrochemical Energy Storage Devices

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Message from the Guest Editors

Dear Colleagues,

The rapid advancements in electrochemical energy storage devices, such as batteries and supercapacitors, have become pivotal for addressing global energy challenges. Innovative films and coatings play a significant role in enhancing the performance, durability, and safety of these devices.

We invite researchers and experts from diverse disciplines to contribute their insights and discoveries to this exciting and rapidly evolving field. This Special Issue seeks to cover a broad spectrum of topics related to innovative films and coatings applied to electrochemical energy storage devices. Topics of interest include, but are not limited to, the following:

- Novel materials for film and coating fabrication;
- Advanced characterization techniques;
- Strategies for enhancing devices' performance and efficiency;
- Safety and environmental considerations;
- Lithium and Sodium ion batteries;
- Applications in emerging energy storage technologies;
- Novel surface modifications and electrode interfaces.

Yours faithfully,

Dr. Yaohua Liang
Dr. Ruijie Xu



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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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