

Special Issue

Advanced Coatings Used in Batteries and Electrodes

Message from the Guest Editors

This Special Issue serves as a platform for our colleagues to discuss the following topics:

- The latest developments in advanced coating strategies and methods.
- Improving the performance of lithium-ion batteries and next-generation ion batteries based on advanced coating technologies.
- Mechanistic analysis of coating-based strategies.
- Application of coatings in various functional electronic devices and their feasibility analysis and verification.
- Application of advanced coating technologies in the manufacture and research of circuits, power systems, and microelectronics.
- The use of coating methods for various electrode materials, such as atomic layer deposition (ALD), sol-gel method, chemical vapor deposition (CVD), electrospinning coating, liquid phase self-assembly, etc.
- Computational simulation and other tools help the analysis of advanced coating technology applications in batteries and electrodes.

Guest Editors

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About the Journal

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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