

Recent Developments, Applications and Failure Behaviors of Functional Coating Battery Separator

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editor

Dear Colleagues,

We would like to invite you to submit your original research to this Coatings Special Issue entitled “Recent Developments, Applications and failure behaviors of functional coating battery separator”. The goal of this Special Issue includes all aspects of research related to functional coating separator and its application or failure behavior, including theoretical and application-oriented papers, experimental and numerical studies, case studies, and reviews.

We encourage you to send manuscripts containing scientific findings within the broad fields of battery separators and its application or failure behavior. In particular, the topic of interest includes but is not limited to:

- Lithium battery separator;
- Lithium-sulfur battery separator;
- Zinc battery separator;
- Heat-resistant coated separator;
- Flame-retardant coated separator;
- Separator aging;
- Puncture damage and lithium dendrites;
- Fatigue failure;



mdpi.com/si/106216

Dr. Ruijie Xu
Guest Editor

Special Issue

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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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