Special Issue

Intrinsic Fire Safety of Lithium-Based Batteries

Message from the Guest Editors

This Special Issue aims to showcase the latest and most advanced progress and breakthroughs in research on the intrinsic fire safety of lithium batteries, providing in-depth analysis of fire incubation mechanisms in lithium-based batteries from the perspective of intrinsic materials, as well as comprehensive understanding of the principles, strategies, technologies, mechanisms, and challenges behind the design of lithium-based battery materials with a view to improving their intrinsic fire safety. Both research articles and reviews are welcome, and research areas may include, but are not limited to:

- Thermal stability analysis of lithium-based battery materials;
- Thermal runaway characteristics of lithium-based batteries;
- Flame retardant electrolytes for lithium-based batteries;
- Solid-state electrolytes for lithium-based batteries;
- Safer separators for lithium-based batteries;
- Additives for improving the fire safety of lithium-based batteries;
- Strategies for improving the thermal stability of the cathodes/anodes of lithium-based batteries;
- The fire safety of solid-state batteries.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Fire is an international open-access journal about the science, policy, and technology of fires and how they interact with communities and the environment. *Fire* seeks to provide a forum to help the fire science community convey how we can live with fire in a changing world. *Fire* seeks submissions from interdisciplinary studies that take a pyrogeography perspective of fires occurring in natural, cultural, and industrial landscapes and how they interact with communities in the science-policy interface. *Fire*'s Editorial Board are widely recognized international leaders. The journal emphasizes quality and innovation and has a rigorous peer-review process. I strongly recommend *Fire* for the rapid publication of your innovative research publications and case studies.

Editor-in-Chief

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