Special Issue

Advances in New Energy Materials and Fire Safety

Message from the Guest Editors

This Special Issue aims to investigate the fire safety of new energy materials. We invite contributions on a range of topics related to energy technology, including, but not limited to:

- Thermal stability analysis of typical combustible components inside electrochemical power sources such as cathode, anode, electrolyte, and separator in batteries;
- Flammable gases and oxygen leakage prevention methods for fuel cell systems;
- Construction of battery thermal management system using composite materials such as phase-change materials with heat storage properties;
- Simulation and calculation methods for heat and mass transfer of power systems.

Guest Editors

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Dr. Jian Wang

Dr. Jingwen Weng

Dr. Ao Li

Deadline for manuscript submissions

closed (20 August 2025)



Fire

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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

Dr. Grant Williamson

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