Special Issue

LiB Fire

Message from the Guest Editors

Lithium-ion batteries are the most prevalent devices for electrochemical energy storage due to their high energy density and specific energy, as well as environmentally friendly and sustainable characteristics. However, one of the primary remaining concerns, battery safety, has always been placed in a subordinate position without being paid enough attention; thus, this has resulted in hazardous events in automobiles, aircraft, and energy storage, all of which had hindered the further application of lithium-ion batteries. In this Special Issue, we seek articles associated with lithium-ion batteries dealing with thermal runaway and propagation mechanisms, fire and explosive dynamics, as well as fire detection and suppression. Moreover, articles dealing with heat generation, gas generation during thermal runaway, thermal management to weaken battery temperature, fire assessment in production, transportation, and storage, and usage assessments of lithium-ion batteries are also highly desirable. Articles using both experimental and modelling approaches are very much welcome.

Guest Editors

Prof. Dr. Qingsong Wang

Prof. Dr. Depeng Kong

Dr. Kaiqiang Jin

Deadline for manuscript submissions closed (31 October 2023)



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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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