

## Special Issue

# Advantages of Li-Ion Batteries

### Message from the Guest Editor

Lithium-ion batteries offer the highest energy density in the rechargeable-battery market. Charging a lithium-ion battery has become easier, faster and long-lasting making it a more powerful battery compared to other commercial batteries. They contain less toxic metals than other batteries and are therefore generally considered to be non-hazardous or human-friendly. Despite its overall advantages, lithium-ion still has some major drawbacks to be improved. LIBs mainly power electric vehicles and electronics, and their prevalence is set to increase, rigorous efforts are aimed towards improving the safety, performance and longevity of LIBs. This Special Issue is aimed at the “Advantages of Li-Ion Batteries” focused on the recent advances on anode, cathode, electrolyte, separator, mechanism and safety of Li-ion batteries. This will encourage the researchers working in a wide variety of scientific areas to contribute their findings and bring about some critical opinions on advanced materials for energy storage to contribute to this field.

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2023)



## Metals

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### Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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