Special Issue

The Challenges and Applications of Solid State Battery Technology

Message from the Guest Editor

Are solid-state batteries the key technology for electric vehicles applications? First research activities in solid-state battery technology date back to the late 1950s. Solid-state battery technology has found applications in the form of micro-batteries to power, for example, micro-power sources for sensors. The current momentum for growing interest in solid-state batteries comes from the game-changing battery industry players in electric and hybrid electric vehicles.

This Special Issue aims at overviewing the many challenges in solid-state battery technologies as well as recent developments. The invitation and discussion are opened for scientific papers related to:

Solid-state electrolyte development;
Ionic conductivity enhancement in solid state;
Electrolyte/electrode interface stability;
Solid state electrodes (cathode and anode);
Solid state electrode processing manufacturing;
Cell manufacturing methods;
Battery management systems for solid state;
Battery pack design and modelling.

Guest Editor

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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