Special Issue

Research Progress in Power-Oriented Solid-State Lithium-Ion Batteries

Message from the Guest Editor

This Special Issue on research progress in power-oriented solid-state lithium-ion batteries (SSLBs) delves into the cutting-edge advances and challenges in the field, highlighting the shift toward safer, more efficient battery technologies. Central to this issue is the development of innovative solid electrolytes that promise higher ionic conductivities and improved mechanical properties. These advancements aim to leverage the benefits of solid electrolytes for enhanced safety and higher energy densities, particularly through the potential integration of lithium metal anodes. Addressing the critical issue of interfacial impedance, this Special Issue explores various strategies for stabilizing and optimizing the electrode–electrolyte interface, a key aspect in achieving high-power output and longevity in SSLBs. Innovative cell architectures and manufacturing techniques are also discussed, focusing on scalability and the adaptation of SSLBs to diverse applications, from electric vehicles to wearable electronics.

Guest Editor

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Message from the Editor-in-Chief

The *World Electric Vehicle Journal* is the official journal of the World Electric Vehicle Association (WEVA) and its members the European Association for Electromobility (AVERE), the Electric Drive Transportation Association (EDTA), and the Electric Vehicle Association of Asia Pacific (EVAAP). Since its foundation in 2007, the journal has aimed to provide a publishing platform for the academic and industrial world to share the latest developments and knowledge about electric vehicles. If you are developing Electric, Plug-in Hybrid, Hybrid Electric, or Fuel Cell Vehicles, we cordially invite you to consider us as the place for you to publish your latest results and innovations.

Editor-in-Chief

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