

Special Issue

Interface Engineering and System Integration of All Solid State Batteries

Message from the Guest Editor

All solid - state batteries (ASSBs) are regarded as a revolutionary energy storage technology, which has the potential to overcome the limitations of traditional liquid - electrolyte lithium - ion batteries, such as safety risks and energy density bottlenecks. With the rapid development of electric vehicles, portable electronics, and grid - scale energy storage systems, the demand for high - performance, safe, and long - life ASSBs is growing exponentially. However, the complex interfacial phenomena and challenges in system - level integration have become major obstacles to their commercialization. In recent years, great progress has been made in the theory and technology of interface engineering and system integration of ASSBs, which has promoted the improvement of battery performance and reliability.

Guest Editor

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