

Special Issue

Recent Process of Solid State Lithium Batteries

Message from the Guest Editor

Solid-state lithium batteries (SSLBs) are a promising technology for next-generation energy storage, showing potentials of high safety, high energy density, long cycle life, and fast-charging capability. Research over recent decades has led to substantial progress in the development of solid-state electrolytes (e.g., sulfides, oxides, halides, solid polymers, etc.) and encouraging results of pairing high-voltage/high-capacity cathodes with lithium metal anodes. Further improving the SSLBs performance and eventually transferring the technology to the commercial market, however, require deeper understanding of the fundamental science, new materials discovery, and innovative engineering solutions. Therefore, interdisciplinary research and collaborative work across academia and industry are indispensable to fulfill the promise of SSLBs technology. This Special Issue aims to share the latest progress and promote the development of solid-state lithium batteries. Original research articles, reviews, and perspectives with relevant topics are highly welcome.

Guest Editor

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