



Frontiers in Sustainable Battery Materials

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Message from the Guest Editors

Batteries, as one of the most prominent technologies in human history, have played a great role in our lives since their initial emergence as a voltaic pile in 1800. In the future, batteries will be sought with higher densities for next-generation application that are safe, have a long lifetime, and are reasonably priced. The development of novel materials, including anodes, cathodes, electrolytes, and separators, is of utmost importance to meet the demands of high-performance batteries for sustainable long-term energy storage and transportation applications. This Special Issue aims to collect articles that contribute to the advancement of materials for battery systems, including the development of novel materials, interfacing different components (between electrolyte/electrode), and an understanding of material evolution upon cycling. This Special Issue is open for reviews, articles, and communications for all kinds of batteries, such as lithium batteries, sodium batteries, zinc-ion batteries, potassium ion batteries, redox-flow batteries, and so on.





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Message from the Editor-in-Chief

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