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Frontier in Lithium-Ion Battery

Guest Editor:

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Message from the Guest Editor

Until about 25 years ago, the battery market was seen as established, with demand closely related to the sale of either automobiles or various consumer products. Due to the great improvement in portable devices and automotive applications, the development of high-performance lithium ion batteries with high-capacity retention, high coulombic efficiency, high energy density, and low cost is becoming increasingly urgent. A comprehensive understanding of the failure mechanism of materials and developing new materials play a critical role in further improving the electrochemical performance of lithium ion batteries. Therefore, this Special Issue aims to provide a platform for researchers and engineers to present their latest research findings and engineering experiences in developing and applying novel technologies to improve and address current challenges.

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Message from the Editor-in-Chief

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