



## Frontiers in Electrolytes for Lithium-Ion Batteries

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### Message from the Guest Editors

Lithium-ion batteries (LIBs) have dominated the portable electronics industry over the past 20 years. At the time, this rechargeable battery also overwhelmed the electric vehicles market with its unmatched energy/power density and long life span. In LIBs, electrolytes serve as the medium for the transfer of charges, which plays an important role, and the interfaces between electrolytes and two electrodes often dictate the performance of the devices. The vast majority of the electrolytes are nonaqueous liquid solutions, but new electrolytes systems, such as solid-state and aqueous electrolytes, have drawn increasing attention in recent years due to their higher safety. Besides, new battery chemistries would have incurred new electrolyte compositions. Therefore, it is necessary to have a clear overview of the development of current electrolytes in LIBs. This Special Issue is intended to bring the latest updates and future prospects of electrolytes in LIBs.





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