Special Issue

Material Design and Mechanisms of Lithium-Ion Batteries

Message from the Guest Editor

Advanced materials research represents a leading global field of technology. The search for more adequate sustainable alternatives to conventional energy resources (fossil fuels) has led to the development of lithium-ion batteries (LIBs). This development has aided in subsituting oil-powered vehicles for electric ones, and is facilitating the transition towards renewable energy sources in their role as energy storage devices. This Special Issue of the *International Journal of Molecular Sciences* focuses on the material design, methodology and mechanisms of lithium-ion batteries. Therefore, *IJMS* welcomes both original research articles and review papers that deal with the molecular mechanisms underlying the role of the lithium-ion battery in material design and mechanism research.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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