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Advanced Electrochemical Materials: Experimental and Numerical Analysis

Guest Editor:

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Deadline for manuscript submissions:
closed (31 August 2021)

Message from the Guest Editor

Dear Colleagues,

Electrochemical materials and interfaces are abundant in vastly different types of energy systems. Their applications can be found in a large number of consumer and industrial technologies. Recent demands for higher performance and efficiencies places significant stress on currently available materials. Understanding and fine-tuning these properties is a crucial deciding factor in providing high performance and sustainable alternatives.

The ability to obtain insights into the nature of specific molecular structure and interaction allow molecular dynamics (MD) simulations to be a powerful tool. Knowledge gained from such insights can aid in developing novel materials by fine-tuning desirable structural characteristics, help in screening potential highly efficient candidate materials, and build upon existing scientific understanding.

This Special Issue aims to present recent progress in the applications of MD simulations in the advancement of electrochemical materials, their development, enhancement, and study. It is our pleasure to invite all those who are interested in contributing new and interesting work to the aforementioned field.

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Message from the Editor-in-Chief

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