



Ionic-Liquid-Based Materials and Solutions for Energy Applications

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Message from the Guest Editors

Ionic liquids (ILs) are being increasingly investigated for energy applications due of their physicochemical properties that include suitable chemical and electrochemical stability, non-flammability, negligible vapor pressure, and high ionic conductivity. There is a large variety of possible ILs available, their properties depending on the choice of the cation and anion, with relevant properties for energy applications being density, vapor pressures, viscosity, conductivity, diffusion, and thermal stability, among others.

In this context, this Special Issue aims to contribute to the recent scientific and engineering studies focusing on the improvement of ionic-liquid-based materials and solutions for energy applications with special focus on the characteristics of materials and devices at a molecular level, which determine the final properties and functionality.





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Message from the Editor-in-Chief

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