

Special Issue

Hydration of Ions in Aqueous Solution

Message from the Guest Editor

The hydration of ions is of great importance in understanding the properties of electrolyte solutions. Techniques such as Raman, infrared, dielectric relaxation, and nuclear magnetic resonance spectroscopy; X-ray and neutron diffraction; ultrasonic absorption; and ab initio, density functional, and molecular dynamics calculations have all contributed to the understanding of the hydration of ions over the years. In addition, mass spectrometry of sequentially hydrated ions helps us bridge the gap between gas-phase and solution phase, in the same way that crystal structure determination of aqua complexes bridges the gap between solid phase and solution phase. It is hoped that this special issue will bring together a collection of articles that will further improve our understanding of ions in aqueous solution.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Liquids represent a rich and interdisciplinary field of research that encompasses the theory of liquid state in physics, a large part of synthetic and analytical chemistry, an overwhelming fraction of biology, fluid dynamics in engineering and meteorology. Since the second half of the past century, the discovery of new spectroscopies and the advent of computational simulations have allowed an unprecedented number of researchers to undertake the study of liquid systems and to provide an uncountable number of societally impacting discoveries. With this journal, we intend to provide a place for a rapid publication of your research, a rigorous peer-review process and we look forward to receiving your submissions.

Editor-in-Chief

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