



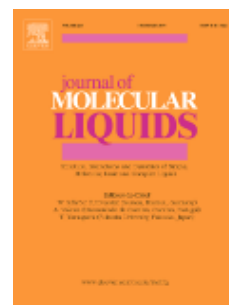
JOURNAL OF MOLECULAR LIQUIDS

Structure, Interactions and Dynamics of Simple, Molecular, Ionic and Complex Liquids

AUTHOR INFORMATION PACK

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ISSN: 0167-7322

DESCRIPTION

The journal includes papers in the following areas:

- Simple **organic liquids** and mixtures
- **Ionic liquids**
- **Surfactant solutions** (including micelles and vesicles) and liquid interfaces
- **Colloidal solutions** and **nanoparticles**
- **Thermotropic** and **lyotropic liquid crystals**
- **Ferrofluids**
- Water, **aqueous solutions** and other hydrogen-bonded liquids
- **Lubricants, polymer solutions** and melts
- **Molten metals** and **salts**
- **Phase transitions** and critical phenomena in liquids and confined fluids
- **Self assembly** in complex liquids.- **Biomolecules** in solution

The emphasis is on the molecular (or microscopic) understanding of particular liquids or **liquid systems**, especially concerning structure, dynamics and intermolecular forces. The experimental techniques used may include:

- Conventional spectroscopy (mid-IR and far-IR, Raman, NMR, etc.)
- Non-linear optics and time resolved spectroscopy (psec, fsec, asec, ISRS, etc.)
- Light scattering (Rayleigh, Brillouin, PCS, etc.)
- Dielectric relaxation
- X-ray and neutron scattering and diffraction.

Experimental studies, computer simulations (MD or MC) and analytical theory will be considered for publication; papers just reporting experimental results that do not contribute to the understanding of the fundamentals of molecular and ionic liquids will not be accepted. Only papers of a non-routine nature and advancing the field will be considered for publication.

AUDIENCE

Physical Chemists, Physicists, Spectroscopists, Colloid Scientists, Industrial Scientists interested in fluid phase phenomena, interfaces, or macromolecular liquids.

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INTRODUCTION

The *Journal of Molecular Liquids* is an international journal devoted to fundamental aspects of structure, interactions and dynamic processes in simple, molecular and complex liquids.

Types of papers

The journal includes papers in the following areas:

- simple organic liquids and mixtures
- ionic liquids
- surfactant solutions (including micelles and vesicles) and liquid interfaces
- colloidal solutions and nanoparticles
- thermotropic and lyotropic liquid crystals
- ferrofluids
- water, aqueous solutions and other hydrogen-bonded liquids
- lubricants, polymer solutions and melts
- molten metals and salts
- phase transitions and critical phenomena in liquids and confined fluids
- self assembly in complex liquids.

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- Dielectric relaxation
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Experimental studies, computer simulations (MD or MC) and analytical theory will be considered for publication; papers just reporting experimental results that do not contribute to the understanding of the fundamentals of molecular and ionic liquids will not be accepted.

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[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

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[4] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[5] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

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