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DESCRIPTION

The Journal of Molecular Structure is dedicated to the publication of full-length articles and review papers, providing important new structural information on all types of chemical species including:

- Stable and unstable molecules in all types of environments (vapour, molecular beam, liquid, solution, liquid crystal, solid state, matrix-isolated, surface-absorbed etc.)
- Chemical intermediates
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- X-ray crystallography.

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Papers describing routine studies of little structural significance (e.g. straightforward X-ray crystal structure determinations) are not encouraged. Similarly, solely theoretical (semiempirical or ab initio) studies should rather be submitted to Computational and Theoretical Chemistry.
AUDIENCE

Chemical Physicists, Chemists, and Biochemists, concerned with Molecular Structure and Dynamics.

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INTRODUCTION

The Journal of Molecular Structure is dedicated to the publication of full-length articles and review papers, providing important new structural information on all types of chemical species including:

• stable and unstable molecules in all types of environments (vapour, molecular beam, liquid, solution, liquid crystal, solid state, matrix-isolated, surface-absorbed etc.)
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• polymers.

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• infrared spectroscopy (mid, far, near)
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• force constant and molecular mechanics calculations
• electronic absorption spectroscopy
• optical rotatory dispersion and circular dichroism
• fluorescence and phosphorescence techniques
• electron spectroscopies (PES, XPS), EXAFS, etc.
• microwave spectroscopy
• electron diffraction
• NMR and ESR spectroscopies
• Mössbauer spectroscopy
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Papers describing routine studies of little structural significance (e.g. straightforward X-ray crystal structure determinations) are not encouraged.

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