JOURNAL OF MOLECULAR STRUCTURE

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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.)
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AUDIENCE

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

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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
• molecules in excited states
• biochemicals
• polymers.

The methods used may include any combination of spectroscopic and non-spectroscopic techniques, for example:
• infrared spectroscopy (mid, far, near)
• Raman spectroscopy and non-linear Raman methods (CARS, etc.)
• 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.
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• NMR and ESR spectroscopies
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