



VIBRATIONAL SPECTROSCOPY

AUTHOR INFORMATION PACK

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DESCRIPTION

Vibrational Spectroscopy provides a vehicle for the publication of original research in **vibrational spectroscopy**. It covers **infrared, near-infrared** and **Raman** spectroscopies and publishes papers dealing with developments in applications, theory, techniques and instrumentation.

The topics covered by the journal include: Sampling techniques - including diffuse reflectance spectroscopy, reflection-absorption spectroscopy, and photoacoustic spectroscopy; Vibrational spectroscopy coupled with separation techniques; Instrumentation (Fourier transform, conventional and laser based); Data manipulation; Expert systems for identification and structure elucidation; Spectra-structure correlation and group frequencies.

The application areas covered include: Analytical chemistry; Bio-organic and bio-inorganic chemistry; Organic chemistry; Inorganic chemistry; Catalysis; Environmental science; Industrial chemistry; Materials science; Physical chemistry; Polymer science; Process control; Specialized problem solving.

The journal provides its readership with a concise picture of the state of the art of vibrational spectroscopy on a regular basis. In order to achieve this goal the journal publishes review articles, news, and book reviews, as well as original research papers and short communications.

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GUIDE FOR AUTHORS

INTRODUCTION

Vibrational Spectroscopy provides a vehicle for the publication of original research in vibrational spectroscopy. It covers infrared, near-infrared and Raman spectroscopies and publishes papers dealing with developments in applications, theory, techniques and instrumentation. The topics covered by the journal include: Sampling techniques - including diffuse reflectance spectroscopy, reflection-absorption spectroscopy, and photoacoustic spectroscopy; Vibrational spectroscopy coupled with separation techniques; Instrumentation (Fourier transform, conventional and laser based); Data manipulation; Expert systems for identification and structure elucidation; Spectra-structure correlation and group frequencies.

The application areas covered include: Analytical chemistry; Bio-organic and bio-inorganic chemistry; Organic chemistry; Inorganic chemistry; Catalysis; Environmental science; Industrial chemistry; Materials science; Physical chemistry; Polymer science; Process control; Specialized problem solving.

The journal provides its readership with a concise picture of the "state of the art" of vibrational spectroscopy on a regular basis. In order to achieve this goal the journal publishes review articles, news, and book reviews, as well as research papers and short communications.

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[3] G. Fogarasi, P. Pulay, in: J.R. Durig (Ed.), *Vibrational Spectra and Structure*, Vol. 14, Chap. 3, Elsevier, Amsterdam, 1985, pp. 125-219.

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