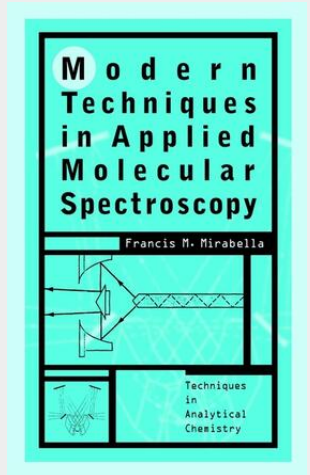


## Modern Techniques in Applied Molecular Spectroscopy

A complete guide to choosing and using the best analytical technique for the job at hand. Today's new generation of spectroscopic instrumentation allows for more accurate and varied measurements than ever before. At the same time, increasingly powerful, user-friendly PC hardware and software make running those instruments relative child's play. However, although they may have solved many of the problems traditionally associated with conducting molecular spectroscopic analyses, these refinements tend to obscure inherent technical challenges which, if not taken into consideration, can seriously undermine a research initiative. Modern Techniques in Applied Molecular Spectroscopy gives scientists and technicians the knowledge they need to address those challenges and to make optimal selection and use of contemporary molecular spectroscopic techniques and technologies. While editor Francis Mirabella and contributors provide ample background information about how and why individual techniques work, they concentrate on practical considerations of crucial concern to researchers working in industry. For each technique covered, they provide expert guidance on method selection, sample preparation, troubleshooting, data handling and analysis, and more. Adhering principally to mid-IR molecular spectroscopic techniques, they clearly describe the guiding principles behind, characteristics of, and suitable applications for transmission spectroscopy, reflectance spectroscopies, photoacoustic spectroscopy, infrared and Raman microspectroscopy, fiber optic techniques, and emission spectroscopy. Modern Techniques in Applied Molecular Spectroscopy is an indispensable working resource for analytical scientists and technicians working in an array of industries.

Dieses praxisorientierte Handbuch ist besonders für Neulinge auf dem Gebiet der Molekülspektroskopie gedacht. Es vermittelt das notwendige Grundwissen, um moderne Techniken im Laboralltag anwenden zu können, und zeigt, wie die Resultate geeignet auszuwerten sind. (04/98)

A complete guide to choosing and using the best analytical technique for the job at hand. Today's new generation of spectroscopic instrumentation allows for more accurate and varied measurements than ever before. At the same time, increasingly powerful, user-friendly PC hardware and software make running those instruments relative child's play. However, although they may have solved many of the problems traditionally associated with conducting molecular spectroscopic analyses, these refinements tend to obscure inherent technical challenges which, if not taken into consideration, can seriously undermine a research initiative. Modern Techniques in Applied Molecular Spectroscopy gives scientists and technicians the knowledge they need to address those challenges and to make optimal selection and use of contemporary molecular spectroscopic techniques and technologies. While editor Francis Mirabella and contributors provide ample background information about how and why individual techniques work, they concentrate on practical considerations of crucial concern to researchers working in industry. For each technique covered, they provide expert guidance on method selection, sample preparation, troubleshooting, data handling and analysis, and more. Adhering principally to mid-IR molecular spectroscopic techniques, they clearly describe the guiding principles behind, characteristics of, and suitable applications for transmission spectroscopy, reflectance spectroscopies, photoacoustic spectroscopy, infrared and Raman microspectroscopy, fiber optic techniques, and emission spectroscopy. Modern Techniques in Applied Molecular Spectroscopy is an indispensable working resource for analytical scientists and technicians working in an array of industries.



**196,50 €**  
183,64 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

**Artikelnummer:** 9780471123590  
**Medium:** Buch  
**ISBN:** 978-0-471-12359-0  
**Verlag:** Wiley  
**Erscheinungstermin:** 06.04.1998  
**Sprache(n):** Englisch  
**Auflage:** 1. Auflage 1998  
**Serie:** Techniques in Analytical Chemistry  
**Produktform:** Gebunden  
**Gewicht:** 850 g  
**Seiten:** 410  
**Format (B x H):** 157 x 235 mm

