

Just published!

New techniques that can save you valuable time and money!

Essential state-of-the-art information for all scientists who use analytical techniques in their work!

INSTRUMENTATION IN ANALYTICAL CHEMISTRY, VOL. 2

Stuart A. Borman, *Editor*

An anthology of articles on developments in analytical techniques in the past ten years—from the volumes of *Analytical Chemistry*.

CONTENTS Signal Processing and Image Analysis • Computers and Laboratory Data Management • Atomic and Molecular Spectroscopy • Electroanalytical Chemistry • Gas and Liquid Chromatography • Hyphenated Methods • Mass Spectrometry • Surface Analysis • Nuclear Magnetic Resonance • Flow Methods • Laboratory Instrumentation

414 pages (1982) Clothbound

US & Canada **\$31.95** Export **\$38.95**

Special Student Paperbound Edition Available—Minimum Order 10 Copies

US & Canada **\$14.95** Export **\$17.95**

Multi-nuclei NMR, highest field NMR, NMR in solids, and more. . .

NMR SPECTROSCOPY: NEW METHODS AND APPLICATIONS

George C. Levy, *Editor*

Current work in new areas of NMR spectroscopy is treated in the comprehensive volume

CONTENTS Ultra High-Field NMR • NMR Spectroscopy at 600 MHz • Two-Dimensional Fourier Spectroscopy • Quadrupolar Metallic Nuclei • Deuterium NMR Spectroscopy • Metabolism of ^{13}C Labeled Substrates • Chemical Bond Labeling and Double-Cross Polarization NMR • NMR Spectroscopy at High Pressure • ^{13}C Cross Polarization Magic Angle Spinning NMR • NMR of Linear and Cyclic Peptides • ^{31}P NMR Studies • ^{13}C NMR Studies of DNA Dynamics • Photo-Chemically Induced Nuclear Polarization of Biological Molecules • ^{13}C NMR Characterization of Solid Fossil Fuels • Polyester Thermoplastic Elastomers • ^{23}Na NMR Studies

388 pages (1982) Clothbound

US & Canada **\$49.95** Export **\$59.95**

Up-to-date research results in this emerging interdisciplinary area of chemistry. . .

CHEMICALLY MODIFIED SURFACES IN CATALYSIS AND ELECTROCATALYSIS

Joel S. Miller, *Editor*

This book focuses on modification of materials for catalytic purposes and modification of organic and inorganic electrode materials for electrocatalytic and photoelectrochemical application.

CONTENTS Chemically Modified Surfaces in Catalysis • Poly(styrene-divinylbenzene)-Supported Catalysts • Homogeneous Rhodium (I) Catalyzed A-kene Hydrogenations • Reactive Organic Functional Groups • Polypyrrole Film Electrodes • Second Order EC Catalytic Mechanism • Semiconductor Photoelectrodes • Solution Reactivity Properties • Metallopolymers on Electrode Surfaces • Chemical Modification of TiO_2 Surfaces • Electrochemistry of Silane-Derivatized Iridium • Improvements in Photoelectrochemical and Electrochromic Reactions • Derivatized Layered $\text{M}(\text{IV})$ Phosphonates • Intercalation of Molecular Catalysts in Layered Silicates • Fischer-Tropsch Synthesis • Reactivity of Catalysts Derived from Organometallics • Silacrowns

301 pages (1982) Clothbound

US & Canada **\$36.95** Export **\$44.95**

An invaluable resource for all who use MS in their work.

MASS SPECTRAL CORRELATIONS, SECOND EDITION

F.W. McLafferty and R. Venkataraghavan, *Editors*

This volume is an invaluable resource for interpreting the copious spectral data generated in GC and MS investigations. Comprehensive tables show the most probable assignments for peaks in electron mass spectra of organic compounds. More than 3000 structures corresponding to 1500 elemental compounds are listed—several times the number in the first edition. Newcomers to the field will find this book indispensable. Seasoned professionals will find it a valuable timesaver in interpreting the spectrum of an unfamiliar compound when information on the history of the sample is lacking.

124 pages (1982) Clothbound

US & Canada **\$24.95** Export **\$29.95**

Mail to **Distribution Office Dept. 15, American Chemical Society, 1155 Sixteenth Street, N.W., Washington, D.C. 20036**

Please send me the books checked below:

Instrumentation in Analytical Chemistry, Vol. 2

NMR Spectroscopy: New Methods and Applications

Chemically Modified Surfaces in Catalysis and Electrocatalysis

Mass Spectral Correlations, Second Edition

Quantity Price Total

California customers add 6% state use tax: _____

TOTAL: _____

☐ **Payment enclosed.**

☐ **Purchase order enclosed.**

Charge my ☐ **MasterCard** ☐ **Visa.** Account No. _____

Expires _____ Interbank No. _____

(MasterCard only)

Signature _____

Ship to Name _____

Address _____

City, State, Zip _____

15

ORDERS MUST BE PREPAID. PLEASE ALLOW 4-6 WEEKS FOR DELIVERY. PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
To charge books by phone, call (800) 424-6747.