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Specialist Periodical Reports

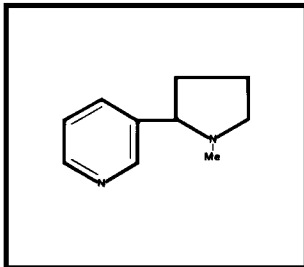
The Alkaloids Vol.12

Senior Reporter: M. F. Grundon

A review of the literature published between July 1980 and June 1981.

Brief Contents:

Biosynthesis; Pyrrolidine, Piperidine, and Pyridine Alkaloids; Tropane Alkaloids; Pyrrolizidine Alkaloids; Indolizidine Alkaloids; Quinolizidine Alkaloids; Quinoline, Quinazoline, and Acridone Alkaloids; β -Phenylethylamines and the Isoquinoline Alkaloids; Aporphinoid Alkaloids; Amaryllidaceae Alkaloids; *Erythrina* and Related Alkaloids; Indole Alkaloids; Diterpenoid Alkaloids; Steroidal Alkaloids; Miscellaneous Alkaloids.



"The Royal Society of Chemistry publication on *The Alkaloids* is the central point of the alkaloid year. With such a proliferation of papers on this most worthy of topics, it is not difficult to miss some contributor and hence the latest volume is eagerly awaited, certainly in my laboratory, and I would suspect in many others." — *J. David Phillipson, University of London, reviewing Vol. 10*

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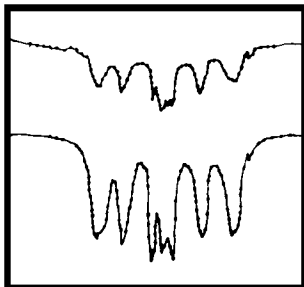
Spectroscopic Properties of Inorganic and Organometallic Compounds Vol.15

Senior Reporters: G. Davidson and E.A.V. Ebsworth

A review of the recent literature published up to late 1981.

Brief Contents:

Nuclear Magnetic Resonance Spectroscopy; Nuclear Quadrupole Resonance Spectroscopy; Rotational Spectroscopy; Characteristic Vibrations of Compounds of Main-group Elements; Vibrational Spectra of Transition-element Compounds; Vibrational Spectra of Some Co-ordinated Ligands; Mössbauer Spectroscopy; Gas-phase Molecular Structures determined by Electron Diffraction.



"The individual authors have done well to review their fields so briefly and the editors are to be congratulated on a selection of material which should prove of interest to practising spectroscopists, inorganic chemists, and organometallic chemists." — *Jnl of Mol. Structure, reviewing Vol. 12*

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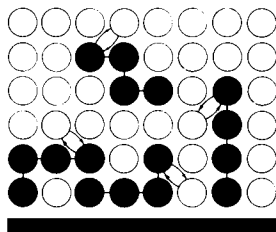
Colloid Science Vol.4

Senior Reporter: D. H Everett

The fourth volume in the series reviews the literature published between 1977 and 1981.

Brief Contents:

Adsorption on Heterogeneous Surfaces; The Dubinin - Radushkevich (DR) Equations; History of a Problem and Perspectives for a Theory; Adsorption from Solution; Statistical Mechanics of Colloidal Suspensions; Micellar Structure and Catalysis; A Bibliography of Gas - Liquid Surface Tensions for Binary Fluid Mixtures.



"There is something for everyone here, all clearly written reviews of good coverage. . . The editor and his authors are to be commended for their efforts in providing a book which is compulsory reading for those wishing to keep abreast of advances in the subject." — *Chemistry and Industry, reviewing Vol. 2*

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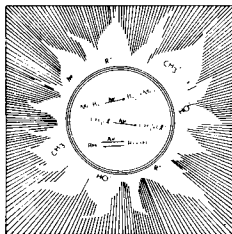
Photochemistry Vol.13

Senior Reporter: D. Bryce-Smith

This thirteenth volume in the series covers the literature published between July 1980 and June 1981.

Brief Contents:

Part I: Physical Aspects of Photochemistry; Part II: Photochemistry of Inorganic and Organometallic Compounds; Part III: Organic Aspects of Photochemistry; Part IV: Polymer Photochemistry; Part V: Photochemical Aspects of Solar Energy Conversion.



"The latest in this series of reviews of literature continues to be indispensable to physical and organic photochemists and makes interesting reading for those active on the periphery of this subject." — *David I. Schuster, Jnl of Medicinal Chemistry, reviewing Vol. 10*

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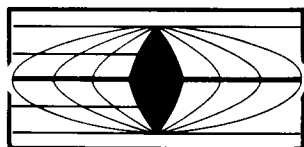
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Analytical Publications

Annual Reports on Analytical Atomic Spectroscopy Vol.11

Edited by M. S. Cresser and B. L. Sharp

This volume reports on current developments in all branches of analytical atomic emission, absorption and fluorescence spectroscopy with reference to papers published and lectures presented during 1981. Much of the information is in tabular form for ease of reference.



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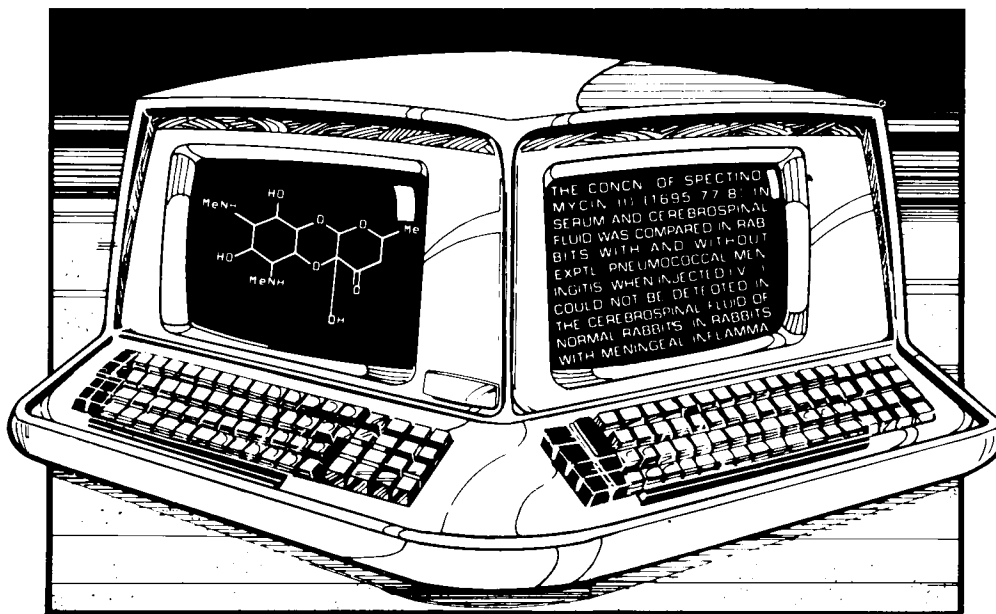
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