1. Record Nr. UNISA990000729540203316

Autore	GALANTI, Maria Antonietta
Titolo	Affetti ed empatia nella relazione educativa / Maria Antonella Galanti
Pubbl/distr/stampa	Napoli : Liguori, 2001
ISBN	88-207-3254-8
Descrizione fisica	VIII, 195 p. ; 21 cm
Collana	Studi sull'educazione
Disciplina	370.15
Soggetti	Psicologia educativa
Collocazione	II.4. Coll.17/ 14(VI B Coll. 47/54)
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNIORUON00200445

Autore	MEINTJES, Johannes
Titolo	Olive Schreiner : portrait of a south african woman / Johannes Meintjes
Pubbl/distr/stampa	Johannesburg, : H. Keartland, 1965
Descrizione fisica	195 p. ; 22 cm.
Disciplina	820.09
Soggetti	SCHREINER OLIVE
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr. UNINA9910131045403321

Autore	Ning Yong-Cheng
Titolo	Interpretation of organic spectra / / by Yong-Cheng Ning
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2011
ISBN	9786613175045 9781283175043 1283175045 9780470828311 0470828315 9780470825174 0470825170 9780470825181 0470825189
Edizione	[1st ed.]
Descrizione fisica	1 online resource (426 p.)
Classificazione	SCI078000
Disciplina	543/.5
Soggetti	Spectrum analysis Organic compounds - Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Interpretation of Organic Spectra; Contents; Foreword; Preface; 1 Interpretation of 1H NMR Spectra; 1.1 Chemical Shift; 1.1.1 Conception of Chemical Shift; 1.1.2 Factors Affecting Chemical Shifts; 1.2 Coupling Constant J; 1.2.1 Coupling Effect and Coupling Constant J; 1.2.2 Discussion of Coupling Constants According to their Kinds; 1.3 Chemical Equivalence and Magnetic Equivalence; 1.3.1 Chemical Equivalence; 1.3.2 Magnetic Equivalence; 1.3.3 Classification of 1H Spectra; 1.4 Characteristics of the 1H Spectra of Some Functional Groups; 1.4.1 Substituted Phenyl Ring 1.4.2 Substituted Heteroaromatic Ring1.4.3 Normal Long-chain Alkyl Group; 1.4.4 Carbonyl Compounds; 1.4.5 Reactive Hydrogen Atom; 1.4.6 Compounds Containing Fluorine or Phosphor Atoms; 1.5 Interpretation of 1H NMR Spectra; 1.5.1 Find Impurity Peaks, Pay Attention to the Solvent Applied; 1.5.2 Calculation of the Unsaturation

Number of the Unknown Compound; 1.5.3 Determination of the Number of Hydrogen Atoms Corresponding to Every Peak Set in the 1H Spectrum; 1.5.4 Determination of Functional Groups of the Unknown Compound; 1.5.5 Analysis of Coupling Splittings of Peak Sets
1.5.6 Combination of Possible Structural Units1.5.7 Assignment of the 1H spectrum According to the Deduced Structure; 1.5.8 Checking of the Deduced Structure; 1.6 Examples of 1H Spectrum Interpretation; Reference; 2 Interpretation of 13C NMR Spectra; 2.1 Characteristics and Advantages of the 13C NMR Spectra; 2.2 The Main Parameter of the 13C Spectrum is the Chemical Shift; 2.3 Chemical Shift Values of Common Functional Groups and Main Factors Affecting Chemical Shift Values; 2.3.1 Alkanes and their Derivatives; 2.3.2 Cycloalkanes and their Derivatives; 2.3.3 Alkylenes and their Derivatives
2.3.4 Benzene and its Derivatives2.3.5 Carbonyl Groups; 2.4 Determination of the Carbon Atom Orders; 2.5 Steps for 13C NMR Spectrum Interpretation; 2.5.1 Recognizing Impurity Peaks and Identifying Solvent Peaks; 2.5.2 Calculation of the Unsaturation Number of the Unknown Compound; 2.5.3 Consideration of Chemical Shift Values of Peaks; 2.5.4 Determination of Carbon Atom Orders; 2.5.5 Postulation of Possible Functional Groups; 3 Interpretation of 2D NMR Spectra; 3.1 General Knowledge about 2D NMR Spectra; 3.2 Homonuclear Shift Correlation Spectroscopy, COSY (H, H-COSY)
3.3 Heteronuclear Shift Correlation Spectroscopy3.4 Long-Range Heteronuclear Shift Correlation Spectroscopy; 3.5 NOESY and ROESY; 3.6 Total Correlation Spectroscopy, TOCSY; References; 4 Interpretation of Mass Spectra; 4.1 Basic Knowledge of Organic Mass Spectrometry; 4.1.1 Mass Spectra; 4.1.2 Ionization in Organic Mass Spectrometry; 4.1.3 Ion Types in Organic Mass Spectrometry; 4.2 Isotopic Ion Clusters in Mass Spectra; 4.3 Interpretation of EI MS; 4.3.1 Determination of Molecular Ion Peak; 4.3.2 Interpretation of Fragment Ion Peaks; 4.3.3 Interpretation of Rearrangement Ion Peaks
4.3.4 Complex Cleavages of Alicyclic Compounds

Sommario/riassunto

"Although there are a number of books in this field, most of them lack an introduction of comprehensive analysis of MS and IR spectra, and others do not provide up-to-date information like tandem MS. This book fills the gap. The merit of this book is that the author will not only introduce knowledge for analyzing nuclear magnetic resonance spectra including 1H spectra (Chapter 1), 13C spectra (Chapter 2) and 2D NMR spectra (Chapter 3), he also arms readers systemically with knowledge of Mass spectra (including EI MS spectra and MS spectra by using soft ionizations) (Chapter 4) and IR spectra (Chapter 5). In each chapter the author presents very practical application skills by providing various challenging examples. The last chapter (Chapter 6) provides the strategy, skills and methods on how to identify an unknown compound through a combination of spectra. Based on nearly 40 years researching and teaching experience, the author also proposes some original and creative ideas, which are very practical for spectral interpretation"--
"The merit of this book is that the author will not only introduce knowledge for analyzing nuclear magnetic resonance spectra including 1H spectra (Chapter 1), 13C spectra (Chapter 2) and 2D NMR spectra (Chapter 3), he also arms readers systemically with knowledge of Mass spectra (including EI MS spectra and MS spectra by using soft ionizations) (Chapter 4) and IR spectra (Chapter 5)"--