

1. Record Nr.	UNINA9910792373003321
Autore	Firey Abigail
Titolo	A contrite heart [[electronic resource]] : prosecution and redemption in the Carolingian empire / / by Abigail Firey
Pubbl/distr/stampa	Leiden ; Boston, : Brill, 2009
ISBN	1-282-60612-3 9786612606120 90-474-4051-X
Descrizione fisica	1 online resource (312 p.)
Collana	Studies in medieval and Reformation traditions, , 1573-4188 ; ; v. 145
Disciplina	340.5/5
Soggetti	Law, Medieval Penance - History of doctrines
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	Preliminary Material / A. Firey -- Introduction / A. Firey -- Chapter One. The Protection Of Privacy: Secrets And Silence / A. Firey -- Chapter Two. The Public Welfare: Pollution And Purgation / A. Firey -- Chapter Three. Authority And Piety / A. Firey -- Chapter Four. Empire And Education / A. Firey -- Chapter Five. Contestation, Co-Operation, Coercion, And Resistance / A. Firey -- Appendix A. Penitential Canons Pertaining To Dietary Pollution / A. Firey -- Bibliography / A. Firey -- Index Locorum / A. Firey -- Index Personarum / A. Firey -- Index Rerum / A. Firey -- Index Scripturarum / A. Firey.
Sommario/riassunto	Between the middle of the eighth century and the late ninth century in western Europe, the course of legal history was shaped by interaction with religious ideas, especially with regard to the meaning of confession, suffering, and the balance of protections for an accused individual and the welfare of the community. This book traces those themes through a selection of Carolingian texts, such as archbishop Hincmar's legal analysis of a royal divorce, the decrees of church councils, the biography of a Saxon holy woman, anti-Judaic treatises, and Hrotswitha's dramatisation of the legend of Thaïs, in order to make audible the lively debates over the boundaries of clerical and lay authority, the nature and extent of permissible intervention in the

spiritual condition of the empire's inhabitants, and distinctions between the private and public domains. This work thus reveals the profound relation between law and penitential ideologies promoted by the Carolingian imperial court.

2. 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 Ring 1.4.3 Normal Long-chain Alkyl Group; 1.4.4 Carbonyl Compounds; 1.4.5 Reactive Hydrogen Atom; 1.4.6 Compounds Containing Fluorine or Phosphorus 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 Units 1.5.7 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 ^{13}C NMR Spectra; 2.1 Characteristics and Advantages of the ^{13}C NMR Spectra; 2.2 The Main Parameter of the ^{13}C 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 Alkynes and their Derivatives 2.3.4 Benzene and its Derivatives 2.3.5 Carbonyl Groups; 2.4 Determination of the Carbon Atom Orders; 2.5 Steps for ^{13}C 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 Spectroscopy 3.4 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), ^{13}C spectra (Chapter 2) and 2D NMR spectra (Chapter 3), he also arms readers systematically 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), ^{13}C spectra (Chapter 2) and 2D NMR spectra (Chapter 3), he also arms readers systematically with knowledge of Mass spectra (including EI MS spectra and MS spectra by using soft

