

1. Record Nr.	UNINA9910139422803321
Autore	Blumberg Leonid M
Titolo	Temperature-programmed gas chromatography [[electronic resource] /] / Leonid M. Blumberg
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2010
ISBN	1-283-30237-3 9786613302373 3-527-63215-8 3-527-63214-X
Descrizione fisica	1 online resource (362 p.)
Disciplina	543.85
Soggetti	Gas chromatography Chromatographic analysis Electronic books.
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	Temperature-Programmed Gas Chromatography; Contents; Preface; Constants, Abbreviations, Symbols; Part One Introduction; 1 Basic Concepts and Terms; References; 2 A Column; 2.1 Retention Mechanisms; 2.2 Structures; 2.3 Operational Modes; 2.4 Specific and General Properties of a Column; 2.5 Boundaries; References; Part Two Background; 3 Linear Systems; 3.1 Problem Review: Metrics for Peak Retention Time and Width; 3.2 Chromatograph as an Information Processing System; 3.3 Properties of Linear Systems; 3.4 Mathematical Moments of Functions; 3.4.1 The First and Higher Moments of a Pulse 3.5 Properties of Mathematical Moments3.5.1 Standard Deviation of Convolution of Two Pulses; 3.6 Pulses; References; 4 Migration of a Solid Object; 4.1 Velocity of an Object; 4.2 Parameters of Migration Path; 4.3 Relations between Path Parameters and Object Parameters; References; 5 Solute-Liquid Interaction in Gas Chromatography; 5.1 Distribution Constant and Retention Factor; 5.2 Chromatographic Parameters of Solute-Liquid Interaction; 5.3 Alternative Expressions of Ideal Retention Model; 5.4 Linearized Retention Model; 5.5 Relations Between Characteristic Parameters

5.5.1 Fixed Dimensionless Film Thickness5.5.2 Arbitrary Film Thickness; 5.5.3 Generic Solutes; 5.5.4 Characteristic Temperatures of n-Alkanes; References; 6 Molecular Properties of Ideal Gas; 6.1 Theory; 6.2 Gas Viscosity and Related Parameters - Empirical Formulae; 6.3 Empirical Formulae for Solute Diffusivity in a Gas; 6.3.1 Simplified Formulae; 6.3.2 Diffusivity of n-Alkanes; References; 7 Flow of Ideal Gas; 7.1 Flow of Gas in a Tube; 7.1.1 One-Dimensional Model of a Tube; 7.1.2 Gas Velocity; 7.1.3 Flow Rate; 7.1.4 Mass-Conserving Flow; 7.2 Pneumatic Parameters; 7.2.1 Energy Flux 7.2.2 Specific Flow Rate7.2.3 Spatial Profiles of Pressure and Velocity; 7.2.4 Critical Length of a Tube; 7.2.5 Vacuum-Extended Length and Related Parameters; 7.2.6 Hold-up Time; 7.2.7 Temporal Profiles; 7.2.8 Averages; 7.2.9 Virtual Pressure; 7.3 Relations Between Pneumatic Parameters; 7.3.1 General Formulae for the Core Group; 7.3.2 General Formulae for Other Parameters; 7.3.3 Special Case: Weak Decompression; 7.3.4 Special Case: Strong Decompression; References; Part Three Formation of Chromatogram; 8 Formation of Retention Times; 8.1 Solute Mobility 8.2 Solute-Column Interaction and Solute Migration8.2.1 Parameters of a Solute-Column Interaction; 8.2.2 Solute Mobility; 8.2.3 Generic Solutes; 8.2.4 Velocity of a Solute Zone; 8.3 General Equations of a Solute Migration and Elution; 8.3.1 Dynamic Gas Propagation Time; 8.3.2 Solute Retention Time and Dynamic Hold-up Time; 8.4 Uniform Solute Mobility in Isobaric Analysis; 8.4.1 Uniform Mobility; 8.4.2 Isobaric (Constant Pressure) GC Analysis; 8.4.3 Two Factors Affecting Retention Time; 8.4.4 Approximate Forms of Migration and Elution Equations 8.5 Scalability of Retention Times in Isobaric Analyses

Sommario/riassunto

This book provides a comprehensive up-to-date overview of temperature-programmed gas chromatography (GC). The first part of the book introduces the reader to the basics concepts of GC, as well as the key properties of GC columns. The second part describes the mathematical and physical background of GC. In the third part, different aspects in the formation of a chromatogram are discussed, including retention times, peak spacing and peak widths. An invaluable reference for any chromatographer and analytical chemist, it provides all the answers to questions like:* At what temperat

2. Record Nr.	UNINA9910779712403321
Autore	Siddall Luis
Titolo	The reign of Adad-nirari III [[electronic resource]] : an historical and ideological analysis of an Assyrian king and his times / / by Luis Robert Siddall
Pubbl/distr/stampa	Leiden ; ; Boston, : Brill, 2013
ISBN	90-04-25614-8
Descrizione fisica	1 online resource (260 p.)
Collana	Cuneiform monographs, , 0929-0052 ; ; v. 45
Disciplina	935/.03092 B
Soggetti	Cuneiform inscriptions, Akkadian Akkadian language Assyria Kings and rulers Assyria History Assyria History Sources
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 indexes.
Nota di contenuto	Preliminary Material -- Introduction -- Chapter One Chronological Issues -- Chapter Two The Extent of the Empire -- Chapter Three Royal Authority and the Dynamics of Power -- Chapter Four Early Neo-Assyrian Royal Ideology (934–810) -- Chapter Five The Royal Ideology of Adad-nir III -- Conclusion -- Appendix A Edition of the Tell Sheikh Hamad Stele -- Appendix B Score of the Calah Slabs -- Bibliography -- Index.
Sommario/riassunto	In The Reign of Adad-nir III , Luis Siddall examines the evidence and edits new inscriptions from the king's reign to investigate the chronology, campaigns, imperial administration and royal ideology of the period. While historians have typically viewed this period as one of turmoil, imperial recession, political weakness and decentralisation, Siddall shows that Adad-nir's reign marked a period of imperial stability, chiefly through changes to the administration. However, while politically successful, the imperial policy affected the king's ideological expression, particularly in terms of the description of the campaigns in Adad-nir's inscriptions and his limited use of royal titles. \Scholars

working on the Neo-Assyrian period cannot afford to miss Siddall's fresh assessment of the evidence for Adad-nirari's reign. He offers a re-evaluation of several texts but perhaps more importantly, he proposes a few methodological innovations that shed new light on the history of Assyria in the 9th century.'

Bill T. Arnold (Asbury Theological Seminary)

3. Record Nr.	UNINA9910988093303321
Autore	Schmidt-Wyklicky Gabriela
Titolo	Ernst Fuchs (1851-1930) and the Worldwide Renown of the Vienna School of Ophthalmology around 1900 : A documentary biography
Pubbl/distr/stampa	Verlag der Österreichischen Akademie der Wissenschaften, 2022
Descrizione fisica	1 online resource
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Anhand von bisher größtenteils noch niemals veröffentlichten Originaldokumenten und -abbildungen werden Leben und wissenschaftliches Wirken des Ophthalmologen Ernst Fuchs dargestellt. Ernst Fuchs war um 1900 nicht nur der bedeutendste österreichische Ophthalmologe, sondern genoss auch international hohes Ansehen. Er führte die Wiener ophthalmologische Schule zu seiner Zeit zu Weltruf. Deutsche Version: http://e-book.fwf.ac.at/o:1551 Englische Version: http://e-book.fwf.ac.at/o:1773 By presenting documents and original photographs of the ophthalmologist Ernst Fuchs his life and scientific work are presented in a way never done before. German Version: http://e-book.fwf.ac.at/o:1551 English Version: http://e-book.fwf.ac.at/o:1773