

1. Record Nr.	UNINA9910782553503321
Autore	Pauling Linus <1901-1994.>
Titolo	Linus Pauling [[electronic resource]] : selected scientific papers . Volume II Biomolecular sciences // edited by Barclay Kamb et al
Pubbl/distr/stampa	River Edge, N.J., : World Scientific, c2001
ISBN	1-281-96086-1 9786611960865 981-281-197-4
Descrizione fisica	1 online resource (746 p.)
Collana	World Scientific series in 20th century chemistry ; ; 10
Altri autori (Persone)	KambBarclay
Disciplina	509.2
Soggetti	Chemistry Biomolecules
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.
Nota di contenuto	Contents ; VOLUME II - BIOMOLECULAR SCIENCES ; INTRODUCTION TO VOLUME II ; Part III. Biological Macromolecules ; Introduction to Part III ; Chapter 11. Hemoglobin: Oxygen Bonding and Magnetic Properties ; Chapter 12. Antibodies: Structure and Function Chapter 13. The Alpha Helix and the Structure of Proteins Chapter 14. Molecular Biology: The Role of Large Molecules in Life and Evolution ; Photos for Part III ; Part IV. Health and Medicine ; Introduction to Part IV ; Chapter 15. Molecular Disease Chapter 16. Physiological Chemistry Effects of Radiation and Health Hazards Chapter 17. Orthomolecular Medicine ; Photos for Part IV ; Part V. Summary of Linus Pauling's Life and Scientific Work ; Chapter 18. Biographical Memoir Appendix I: Conversion Between SP Numbers in Chapters 1-17 and Citation Numbers in Chapter 18 Appendix II: Citation Index for Selected Papers ; Appendix III: List of Scientific Publications of Linus Pauling

Sommario/riassunto

Linus Pauling wrote a stellar series of over 800 scientific papers spanning an amazing range of fields, some of which he himself initiated. This book is a selection of the most important of his writings in the fields of quantum mechanics, chemical bonding (covalent, ionic, metallic, and hydrogen bonding), molecular rotation and entropy, protein structure, hemoglobin, molecular disease, molecular evolution, the antibody mechanism, the molecular basis of anesthesia, orthomolecular medicine, radiation chemistry/biology, and nuclear structure. Through these papers the reader gets a fresh, unfilte