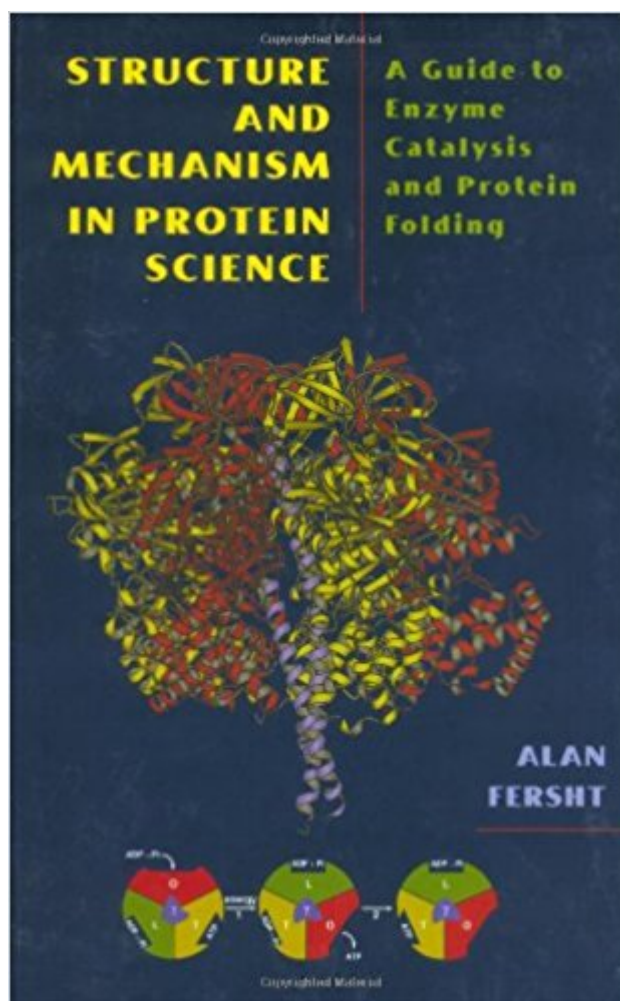


The book was found

# Structure And Mechanism In Protein Science: A Guide To Enzyme Catalysis And Protein Folding



## Synopsis

Fershtâ™s *Structure and Mechanism in Protein Science* is a defining exploration of this new era, an expert depiction of the core principles of protein structure, activity, and mechanism as understood and applied today.Â A thorough recasting of Fershtâ™s previous text, the book takes a more general look at mechanisms in protein science, emphasizing the unity of concepts in folding and catalysis and the importance of the relationships between basic chemistry, kinetics, thermodynamics, and structure.

## Book Information

Hardcover: 650 pages

Publisher: W. H. Freeman; 1st edition (September 15, 1998)

Language: English

ISBN-10: 0716732688

ISBN-13: 978-0716732686

Product Dimensions: 6.3 x 1.4 x 9.4 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 10 customer reviews

Best Sellers Rank: #330,468 in Books (See Top 100 in Books) #86 inÂ Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Biochemistry #442 inÂ Books > Engineering & Transportation > Engineering > Bioengineering > Biochemistry #2370 inÂ Books > Science & Math > Chemistry

## Customer Reviews

This book belongs in every protein biochemists collection. It is a clear, up-to-date review of protein structure and function, with a concentration on enzymes. It covers a host of vital topics, including: the theories of chemical catalysis, enzyme kinetics (buy Segal for an in-depth study of this topic), the methods for determining rate constants, the stereochemistry of enzyme reactions, various regulation mechanisms, binding energies and the forces between molecules, and an overview of protein engineering techniques. If all this were not enough, Fersht concludes with a wonderful chapter covering case studies of enzyme structure and mechanism, and another couple on the kinetics and mechanisms of protein folding. Extensive references are given to the current literature for further study. Putting all these topics into one book is an accomplishment that few authors could pull off - but Fersht does it extremely well! Oh - the other nine ? Cornish-Bowden, "Principles of Enzyme Kinetics"

The book arrived fast and in a good quality. The cover and the pages are clean and without any scrawl. I am really enjoying my new book.

Great book for those studying enzymes. Contains lots of info and is a great source for papers. I would highly recommend this book.

Delivery: Said that it would be delivered in 4 to 6 weeks but came within two weeks. Textbook quality: the textbook was not used. Except for some wear on the cover, the pages were crisp and didn't contain writing or highlighting.

The book focuses on enzyme catalysis, stereochemistry of enzyme reactions, determination of rate constant, enzyme kinetics, and protein structure and folding. It would be an ideal reference for the study of protein chemistry. It can serve as the primary text for an advanced course in protein chemistry or a supplement for undergraduate biochemistry text. Protein folding has remained one of the most intricate yet less understood process in modern biochemistry. Feersht's treatise of the subject in this book is splendid. The author overviews protein structure and diversity in the opening chapter. What I find really precious about this book is the discussion on protein engineering, forces on folding, and recombinant DNA technology in the context of protein folding. Aside from protein chemistry, the chapter on chemical catalysis is excellent in learning more about transition state theory, general acid/base catalysis, covalent catalysis, structure-reactivity relationships, and kinetic isotope effects.

If you are studying protein structure, you probably should read this book for reference. This is solely my opinion, but I have learned new things and reinforced some old knowledge, as well. The book is well-written, and understandable, without being simplistic. Some texts are difficult to understand, or dry, or facile. This is not one of those texts.

Hands down the bible of enzyme kinetics! Anyone looking to learn more about enzyme kinetics, thermodynamics, structure, and function will find this book clear, thoughtfully written, and at the forefront in the field.

With an undergrad degree in chemistry and a year of graduate school (granted, without a focus

solely in biochemistry), this text was often difficult for me to follow and gain much from. Though the text contained an impressive breadth of topics, this breadth came at the cost of depth. In my opinion, a textbook should more-or-less stand on its own in providing a clear understanding of a topic. All too often I didn't find this to be the case with the Fersht book. Instead, I often had to consult many of the references listed in the text to obtain sufficient understanding of topics.

(Fortunately, the book includes extensive reference lists.) If looking up endless references (many old and sometimes difficult to obtain) is something you enjoy, this book is for you.--If not, forget it!

[Download to continue reading...](#)

Structure and Mechanism in Protein Science: A Guide to Enzyme Catalysis and Protein Folding

Ideal Protein Diet Cookbook: Your Ideal Protein Nutrition Plan for Perfect Fitness and Wellness

(Ideal Protein Diet, High Protein Diet, Perfect Protein Diet, Lose Weight, Protein Diet Plan) Simulating

Enzyme Reactivity: Computational Methods in Enzyme Catalysis (Theoretical and Computational

Chemistry Series) DIY Protein Bars: 30 Delicious and Healthy DIY Protein Bars (diy protein bars,

protein bars, high protein snacks) Ideal Protein Cookbook - The Ultimate Guide in Protein for

Fitness Health and Wellness: The Ultimate Guide in Protein for Fitness Health and Wellness Making

a Modern Tactical Folder: Tips on How to Make a Folding Knife: Learn how to make a folding knife

with Allen Elishewitz. Knife making tips, supplies ... how to make custom tactical folding knives.

Enzymes: A Practical Introduction to Structure, Mechanism, and Data Analysis Fischer-Tropsch

Technology, Volume 152 (Studies in Surface Science and Catalysis) Protein From Plants: A full

nutritional guide to vegan protein + recipes, quick-grab snacks & meal plans Enzyme Nanoparticles:

Preparation, Characterisation, Properties and Applications (Micro and Nano Technologies) The

Telomerase Revolution: The Enzyme That Holds the Key to Human Aging and Will Lead to Longer,

Healthier Lives POWER OF CO-ENZYME Q 10: Health Supplement That Could Save Your Life

(HEALTH SERIES Book 6) Angiotensin-Converting Enzyme Inhibitors Angiotensin-Converting

Enzyme Inhibitors: Scientific Basis for Clinical Use Organic Chemistry of Enzyme-Catalyzed

Reactions, Revised Edition, Second Edition Organic Chemistry of Enzyme-Catalyzed Reactions,

Revised Edition The Organic Chemistry of Enzyme-Catalyzed Reactions A Guide Book to

Mechanism in Organic Chemistry Protein Power: The High-Protein/Low Carbohydrate Way to Lose

Weight, Feel Fit, and Boost Your Health-in Just Weeks! Low Carb: Low Carb High Fat Diet - How to

Lose 7 Pounds in 7 Days with Low Carb and High Protein Diet Without Starving! (low carbohydrate,

high protein, ... carb cookbook, ketogenic diet, paleo diet)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)