



## New Trends in Enzyme Catalysis and Biomimetic Chemical Reactions (Paperback)

By Gertz I. Likhtenshtein

Springer-Verlag New York Inc., United States, 2011. Paperback. Book Condition: New. 234 x 154 mm. Language: English . Brand New Book. New Trends in Enzyme Catalysis and Biomimetic Chemical Reactions embraces modern areas of enzyme catalysis where other books in the field concentrate mainly on kinetic, bioorganic and biochemical aspects of the enzyme catalysis and do not cover biophysical and physicochemical problems. Topics covered include: -modern physical and kinetic methods of investigation, -contemporary theories of elementary chemical processes in enzymes, -structure, dynamics and action mechanism of enzyme active sites, -concept of pretransition state, -theory of long-range electron transfer and proton translocation, -mechanisms of tough biochemical reactions (dinitrogen reduction, light energy conversation, water photooxidation, hydroxilation), -the achievements and problems of biomimetic chemical reactions. Softcover reprint of the original 1st ed. 2003.



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