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Autore	Santillán Moisés
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Collana	Lecture Notes on Mathematical Modelling in the Life Sciences, , 2193- 4789
Disciplina	543.015195
Soggetti	Biomathematics Probabilities Chemometrics Mathematical and Computational Biology Probability Theory and Stochastic Processes Math. Applications in Chemistry
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Brief Introduction to Chemical Kinetics Brief Introduction to Thermodynamics Different Approaches to Analyzing a Simple Chemical Reaction Molecule Synthesis and Degradation Enzymatic Reactions Receltor-Ligand Interaction Cooperativity Gene Expression and Regulation Ion Channel Dynamics and Ion Transport Across Memberanes References Index.
Sommario/riassunto	

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graduate students with a solid mathematical background (physicists, mathematicians, and engineers), as well as with basic notions of biochemistry and cellular biology. This book can also be useful to students with a biological background who are interested in mathematical modeling, and have a working knowledge of calculus, differential equations, and a basic understanding of probability theory.