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Enzyme Kinetics for Systems Biology

By Herbert M. Sauro

Ambrosius Publishing. Paperback. Book Condition: New. Paperback. 322 pages. Dimensions: 9.0in. x 6.0in. x 0.7in. The 2nd edition has recently been published, the 1st edition has therefore been reduced in price by 20. Enzyme Kinetics for System Biology is geared towards those who need a reference or classroom textbook that describes the various rate laws one can use to build computer models of cellular networks. The book covers commonly addressed topics such as rapid-equilibrium and steady state kinetics, including chapters on inhibitors, activators, cooperatively and allostery. The text book also includes topics more relevant to systems biology; these include chapters on elasticities, generalized rate laws and kinetics laws used to describe gene expression. Exercises are provided in most chapters with a summary of all the major kinetic rate laws in an appendix. Chapters include: Reaction Kinetics Elasticities Basic Enzyme Kinetics Enzyme Inhibition and Activation Multireactant Rate Laws Cooperativity Allostery Generalized Rate Laws Kinetics of Gene Regulation Basic Thermodynamics Current Print version: 1. 08 Original publication date: April 2011 This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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