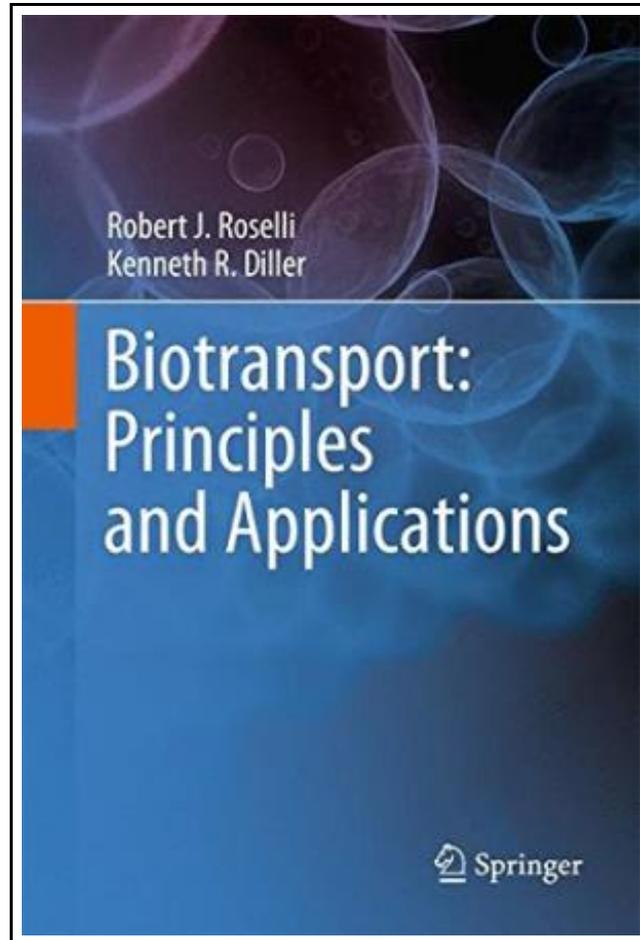


Biotransport: Principles and Applications



Filesize: 3.32 MB

Reviews

*Most of these publication is the ideal ebook readily available. it was actually writtern very flawlessly and beneficial. I discovered this book from my i and dad suggested this book to find out.
(Prof. Lavern Brakus)*

BIOTRANSPORT: PRINCIPLES AND APPLICATIONS



Springer-Verlag Gmbh Jul 2011, 2011. Buch. Book Condition: Neu. 244x164x58 mm. Neuware - Biotransport: Principles and Applications is written primarily for biomedical engineering and bioengineering students at the introductory level, but should prove useful for anyone interested in quantitative analysis of transport in living systems. It is important that bioengineering students be exposed to the principles and subtleties of transport phenomena within the context of problems that arise in living systems. These tend to have constitutive properties, compositions, and geometries that are quite distinct from those of typical inanimate systems. The book derives its genesis from a novel Engineering Research Center (ERC) in Bioengineering Educational Technologies sponsored by the National Science Foundation. This ERC was a multi-institutional consortium among Vanderbilt, Northwestern, Texas and Harvard/MIT Universities (VaNTH) based on collaboration among bioengineers, learning scientists and learning technologists. An objective was to develop state-of-the-art learning materials for students in bioengineering. This text is an outgrowth of the VaNTH ERC and was designed with dual objectives: to provide a coherent and concise pedagogical exposition of biotransport that includes the domains of fluid, heat and mass flows, and to present a guide for teaching and studying in the 'How People Learn' (HPL) framework, with appropriate supporting materials for students and teachers. There is no other text that meets the latter objective. The text is designed for use in either a traditional didactic course or in an active learning environment in which a course is organized around a series of open ended challenge problems. The main portion of the text presents enduring concepts and analogies that form the foundations of biotransport. Sections on biofluid, bioheat and biomass transport are further subdivided into chapters that progressively cover principles and applications of biotransport fundamentals, macroscopic biotransport, 1-D steady and unsteady state transport, and general multidimensional microscopic transport...



[Read Biotransport: Principles and Applications Online](#)



[Download PDF Biotransport: Principles and Applications](#)

Related Books



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually...

[Save Book »](#)



Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.

[Save Book »](#)



Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.

[Save Book »](#)



A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)

Dover Publications, 2011. Paperback. Book Condition: New. No Jacket. New paperback book copy of A Dog of Flanders by Ouida (Marie Louise de la Ramee). Unabridged in easy to read type. Dover Children's Thrift Classic....

[Save Book »](#)



DK Readers Disasters at Sea Level 3 Reading Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in.From fog, ice, and rocks to cannon fire and torpedo attacks--read the story of five doomed sea voyages and the fate...

[Save Book »](#)