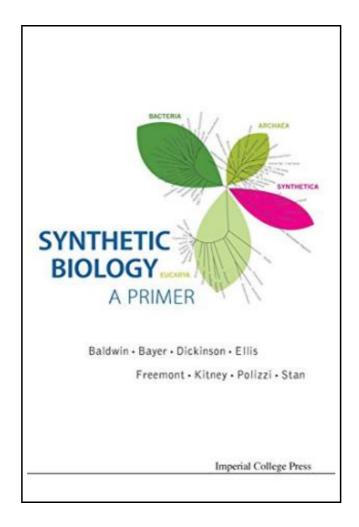
Synthetic Biology A Primer



Filesize: 5.87 MB

Reviews

This pdf is fantastic. It is really basic but excitement from the fifty percent in the book. Your lifestyle span will be change as soon as you full reading this publication. (Yolanda Nicolas)

SYNTHETIC BIOLOGY A PRIMER



World Scientific Publishing Company. Hardcover. Book Condition: New. Hardcover. 196 pages. Dimensions: 9.8in. x 6.5in. x 0.7in.Synthetic Biology -- A Primer gives a broad overview of the emerging field of synthetic biology and the foundational concepts on which it is built. It will be of interest to final year undergraduates, postgraduates and established researchers who are interested in learning about this exciting new field. The book introduces readers to fundamental concepts in molecular biology and engineering and then explores the two major themes for synthetic biology, namely bottom-up and top-down engineering approaches. Top-down engineering utilises a conceptual framework of engineering and systematic design to build new biological systems by integrating robustly characterised biological parts into an existing system through the use of extensive mathematical modelling. The bottom-up approach involves the design and building of synthetic protocells using basic chemical and biochemical building blocks from scratch. Exemplars of cutting-edge applications designed using synthetic biology principles are presented, including the production of novel biofuels from renewable feedstocks, microbial synthesis of pharmaceuticals and fine chemicals, and the design and implementation of biosensors to detect infections and environmental waste. The book also uses the Internationally Genetically Engineered Machine (iGEM) competition to illustrate the power of synthetic biology as an innovative research and training science. Finally, the primer includes a chapter on the ethical, legal and societal issues surrounding synthetic biology, illustrating the integration of social sciences in synthetic biology research. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Hardcover.



Read Synthetic Biology A Primer Online
Download PDF Synthetic Biology A Primer

Other Books



DK Readers Animal Hospital Level 2 Beginning to Read Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.9in. x 5.8in. x 0.1in.This Level 2 book is appropriate for children who are beginning to read alone. When Jack and Luke take an injured...

Read PDF »



DK Readers Day at Greenhill Farm Level 1 Beginning to Read

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in.This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs...

Read PDF »



Summer Fit Preschool to Kindergarten Math, Reading, Writing, Language Arts Fitness, Nutrition and Values

Summer Fit Learning. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 10.6in. x 8.3in. x 0.5in.Summer Fit Activity Books move summer learning beyond academics to also prepare children physically and socially for the grade ahead....

Read PDF »



DK Readers Invaders From Outer Space Level 3 Reading Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.9in. x 5.9in. x 0.1in.Are aliens from other planets visiting Earth Read these amazing stories of alien encounters -- and make up your own mind!...

Read PDF »



Scala in Depth

Manning Publications. Paperback. Book Condition: New. Paperback. 304 pages. Dimensions: 9.2in. x 7.3in. x 0.8in.Summary Scala in Depth is a unique new book designed to help you integrate Scala effectively into your development process. By...

Read PDF »



The Birds Christmas Carol

Digireads.com. Paperback. Book Condition: New. Paperback. 34 pages. Dimensions: 7.8in. x 4.8in. x 0.3in.Kate Douglas Wiggin (1856-1923) was an important reformer of childrens education at the turn of the century. During a period when childrens

Save ePub »



Scholastic Discover More Penguins

Scholastic Reference. Paperback. Book Condition: New. Paperback. 80 pages. Dimensions: 10.0in. x 8.0in. x 0.4in. Scholastic Discover More is a revolutionary new nonfiction line pairing stunning print books with corresponding interactive digital books that extend the

Save ePub »



Absolutely Lucy #4 Lucy on the Ball A Stepping Stone BookTM

Random House Books for Young Readers. Paperback. Book Condition: New. David Merrell (illustrator). Paperback. 112 pages. Dimensions: 7.4in. x 5.1in. x 0.4in.llene Coopers fourth story of a boy and his beagle takes Bobby and Lucy

Save ePub »



DK READERS Pirates Raiders of the High Seas

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.8in. x 5.9in. x 0.2in. Meet Pirates who got away with murder... and pirates who died in the hangmans noose! These 48-page books about

Save ePub »



DK Readers Duckling Days

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.9in. x 5.9in. x 0.2in.This Level 1 book is appropriate for children who are just beginning to read. Six ducklings follow mother duck everywhere. One

Save ePub »