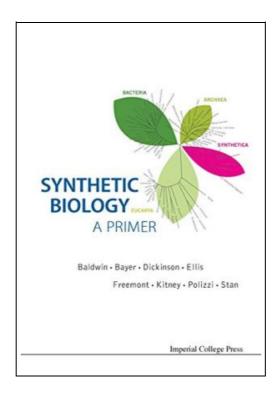
Synthetic Biology - A Primer (Paperback)



Filesize: 4.3 MB

Reviews

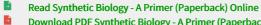
This publication is really gripping and fascinating. It is among the most amazing ebook i have study. I am just quickly could possibly get a satisfaction of looking at a written ebook.

(Dr. Earl Harber)

SYNTHETIC BIOLOGY - A PRIMER (PAPERBACK)



Imperial College Press, United Kingdom, 2012. Paperback. Condition: New. Language: English. Brand new Book. 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.



Download PDF Synthetic Biology - A Primer (Paperback)

You May Also Like



Mastering Machine Learning for Penetration Testing: Develop an extensive skill set to break self-learning systems using Python (Paperback)

Packt Publishing Limited, United Kingdom, 2018. Paperback. Condition: New. Language: English. Brand new Book. Become a master at penetration testing using machine learning with PythonKey Features Identify ambiguities and breach intelligent security systems Perform unique...

Save PDF

»



Indifference Pricing: Theory and Applications (Hardback)

Princeton University Press, United States, 2009. Hardback. Condition: New. Language: English. Brand new Book. This is the first book about the emerging field of utility indifference pricing for valuing derivatives in incomplete markets. Rene Carmona...

Save PDF

»



ReactJS by Example - Building Modern Web Applications with React (Paperback)

Packt Publishing Limited, United Kingdom, 2016. Paperback. Condition: New. Language: English. Brand new Book. Get up and running with ReactJS by developing five cutting-edge and responsive projectsAbout This Book* Create pragmatic real-world applications while learning...

Save PDF

>>



An Historical Account of a New Method for Extracting the Foul Air Out of Ships, C. with the Description and Draught of the Machines, by Which It Is Performed: And the Relation Given

Gale Ecco, Print Editions, United States, 2010. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. The 18th century was a wealth of knowledge, exploration and rapidly growing technology and expanding...

Save PDF

»



An Historical Account of a New Method for Extracting the Foul Air Out of Ships, With the Description and Draught of the Machines, by Which It Is Performed: In Two Letters to a

Gale Ecco, Print Editions, United States, 2010. Paperback. Condition: New. Language: English. Brand New Book ***** Print on Demand *****. The 18th century was a wealth of knowledge, exploration and rapidly growing technology and expanding...

Save PDF

»



Stuck & Shared: A Short Erotic Swinger & Hotwife Story (Paperback)

Independently Published, United States, 2017. Paperback. Condition: New. Language: English. Brand new Book. o WON THIRD PLACE IN SWINGING & HOTWIFE SHORT STORY CONTEST o Two couples get stuck in an elevator and have some Read eBook

»



Integrating Literature in the Content Areas: Enhancing Adolescent Learning and Literacy (Paperback)

Taylor & Francis Inc, United States, 2008. Paperback. Condition: New. Language: English. Brand new Book. This practical, accessible resource will help future and practicing teachers integrate literature into their middle school or high school classrooms,

Read eBook

»



Instrumentation and Sensors for Engineering Applications (Paperback)

College House Enterprises, LLC, United States, 2016. Paperback. Condition: New. Language: English. Brand new Book. The first four chapters provide the foundation for understanding circuits, analog and digital signals, measurement systems and instruments for measuring

Read eBook

>>



Modern control theory (the College of Electrical Engineering and Automation of the 21st century planning materials) (Chinese Edition) paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2012-07-01 Pages: 237 Publisher: People's Posts and Telecommunications Press title: modern control Read eBook

»



The Melody Lingers on (Hardback)

AUTHORHOUSE, United States, 2013. Hardback. Condition: New. Language: English. Brand new Book. In the summer of 1978, I took my quarter horse to lead trail rides for kids at a Bible camp in rural lowa.

Read eBook

»