

# 用戶操作指南

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## 用户指南 目录

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- 个人账户导航

# World Scientific Publishing

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World Scientific Publishing Co Pte Ltd（世界科技出版公司）成立于1981年，如今在新泽西、伦敦、慕尼黑、日内瓦、东京、香港、台北、北京、上海、天津和钦奈均设有办事处。

在过去的40余年里，世界科技出版公司已成为全球领先的学术和专业出版商之一，也是亚太地区最大的国际科学出版商。

1991年，世界科技出版公司与瑞典诺贝尔基金会签署协议，出版所有学科的诺贝尔获文集系列，涵盖1901年至2005年的获奖情况。最近，出版协议已延长至2010年。

如今，我们继续与多位诺贝尔奖得主和其他有影响力的科学家合作，出版科学、技术和医学领域最新且最令人兴奋的内容。

# 主页 <https://www.worldscientific.com/page/worldscinet>

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和高级搜索功能  
搜索特定书籍

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The screenshot shows the World Scientific homepage. At the top, the logo 'World Scientific Connecting Great Minds' is on the left, and 'brought to you by WSPC' is on the right. Below the logo is a navigation bar with links: Subject, Journals, Books, E-Products, Partner With Us, Open Access, and About Us. On the right side of the header are icons for Search, My Cart, and Sign in. A large banner in the center features a portrait of Giovanni Fazio, the 2019 SPIE George W. Goddard Award recipient, and mentions his role as Editor-in-Chief of the Journal of Astronomical Instrumentation and The Encyclopedia of Cosmology. Below the banner is a 'WHAT'S NEW' section with three book covers: 'Linear Algebra and Optimization with Applications to Machine Learning', 'From Classical Mechanics to Quantum Field Theory, A Tutorial', and 'You Can Be the Next Einstein'. To the right of these is a video player showing 'World Scientific New Website Features 2...' with text indicating '600 new titles' and '140 journals every year'. Below the video player are links for '中文版(简体中文)' and 'Deutsche Version'. At the bottom left is a 'PRESS RELEASES' section with a list of recent news items. At the bottom right is a 'WorldSciNet' box with the text 'ebooks • ejournals • databases', 'Check out our ebooks and ejournals packages and options', and a 'Find out more' button.

Homepage

Signing up/  
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Features

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Feature

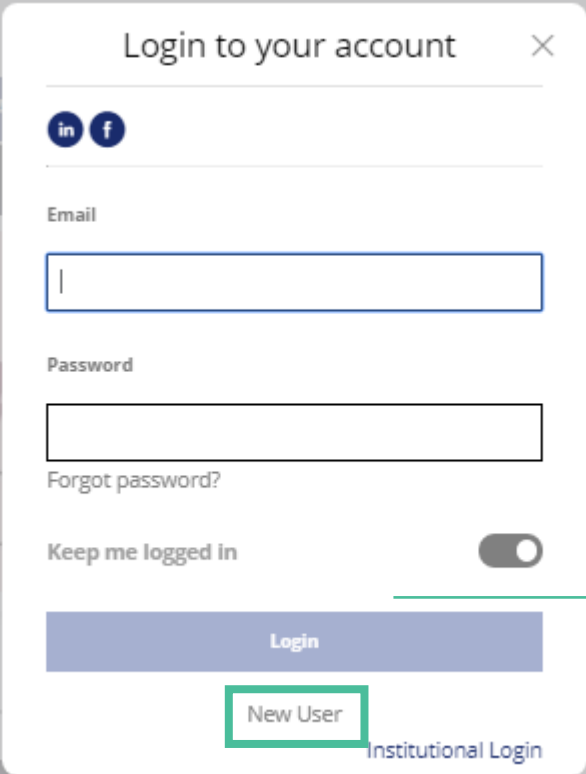
E-reader

Journal  
Content  
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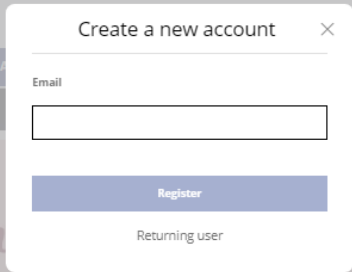
# 注册/ 登录

您可以作为个人（通过领英、脸书或电子邮件）或通过机构登录



The image shows a 'Login to your account' modal window. At the top, there are social media icons for LinkedIn and Facebook. Below these are input fields for 'Email' and 'Password'. A 'Forgot password?' link is positioned below the password field. A 'Keep me logged in' toggle switch is located below the password field. At the bottom of the form, there is a blue 'Login' button and a 'New User' link, which is highlighted with a green box. Below the 'New User' link is a link for 'Institutional Login'. A green arrow points from the 'New User' link to the 'Create a new account' form on the right.

新用户可以通过底部的“新用户”选项注册



The image shows a 'Create a new account' modal window. It features an 'Email' input field, a blue 'Register' button, and a link for 'Returning user' at the bottom.

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Citation

Enter words / phrases / DOI / ISBN / keywords / authors / etc

Advanced Search

Valid till 8 March 2020

点击此处搜索一般书籍，或切换到根据引用搜索特定书籍/期刊

点击此处进行更高级的搜索

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synthet

[Remove]All: synthetic biology (articlesChapters - 20906)

Shanghai WTO Affairs Consultation Center

Senthi, T

CENTI, Gabriele

State Key Laboratory of Synthetical Automation for Process Industries

Giovanni Fazio

Advanced Search

搜索栏具有预测功能，方便搜索

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# 高级检索

The screenshot shows the 'Advanced Search' page. At the top, there are three tabs: 'Advanced Search', 'Search History', and 'Saved Searches'. The 'Saved Searches' tab is highlighted with a green box and an arrow pointing to the text '仅限已注册用户使用' (Only for registered users). Below the tabs, there is a search bar with a dropdown menu set to 'Anywhere'. A green box highlights this dropdown, with an arrow pointing to a detailed list of search options: 'Anywhere', 'Anywhere', 'Title', 'Author', 'Keywords', 'Abstract', and 'Affiliation'. To the right of the search bar is a text input field labeled 'Enter Search term'. Below this is a 'Published in' field with the example 'e.g. Journal of Theoretical Biology'. Further down is a 'Publication Date' section with three options: 'All dates' (selected), 'Last' (with a 'Select' dropdown), and 'Custom range' (with 'Month' and 'Year' dropdowns). At the bottom left, there is an 'Advanced' dropdown menu. On the right side, there is a 'SEARCH TIPS' section with the following content:

**Boolean searches**  
You can use the Boolean Operators AND, OR and NOT within search fields. By default an AND relationship is assumed between search terms unless another operator is specified.

**Searching for authors**  
To search for multiple authors, separate each author name with either AND or OR. Using AND will search for content that has been co-authored by the authors. Using OR will search for content that has been authored by either of the authors.

**Searching for phrases**  
Enclose your search term with quotation marks to search for an exact match of that phrase. Without quotation marks, articles including all of the search terms somewhere in the article will be listed. For example searching for "civil war" will find articles containing that exact phrase.

**Wildcards**  
Use a question mark (?) in a search term to represent any one character and use an asterisk (\*) to represent zero or more characters. For example, searching for Europe\* will find results containing Europe and European. Wildcards cannot be used at the start of a search term or when searching for phrases in quotes.

**DOIs**  
Search for DOIs using the format 10.3366/code.2016.0000 (do not add http://dx.doi.org/).

A 'Search' button is located at the bottom right of the search area.

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# 搜索导航

The screenshot shows the World Scientific search interface. A red bar is at the top left. The main search area includes a 'REFINE SEARCH' panel on the left, a search bar with 'synthetic biology' entered, and a 'Books Titles' tab selected. The search results show 'CHAPTER 6: Modelling Synthetic Biology Systems' by Geoff Baldwin et al. Annotations with arrows point to various features: 'Click here to save search and receive new content reminders' points to the 'Follow results' button; 'Click here to find books containing specific search terms' points to the 'Books Titles' tab; 'Click here to filter by publication type, article type, date, author, keywords or discipline' points to the 'Narrow Results' sidebar; 'Click here to save search and receive new content reminders' points to the 'Follow results' button; 'Click here to filter by relevance or date' points to the 'SORT:RELEVANCE' dropdown; and 'Click here to save search and receive new content reminders' points to the 'Follow results' button.

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Connecting Global Minds

Subject Journals Books  
Anywhere synthetic biology

Advanced Search

PER PAGE: 20 50 100 SORT:RELEVANCE

Advanced Options Search History Saved Searches

Anywhere synthetic biology

Publication Date  
All dates  
Last Select  
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Search

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Narrow Results

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Books 13682  
Journals 7226

Article Type  
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Research Article 6153  
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Front Matter 616  
Rapid Communication 472  
MORE 14

Articles/Chapters Books Titles

Results: 1 - 20 of 20908 synthetic biology

REFINE SEARCH

PER PAGE: 20 50 100 SORT:RELEVANCE

Chapter Full Access  
CHAPTER 6: Modelling Synthetic Biology Systems  
Geoff Baldwin, Travis Bayer, Robert Dickinson, Tom Ellis, Paul S Freemont, Richard I Kitney, Karen Polizzi and Guy-Bart Stan  
Synthetic Biology — A Primer | 27 Aug 2015  
Preview Abstract

Chapter Full Access  
Modelling Synthetic Biology Systems  
Geoff Baldwin, Travis Bayer, Robert Dickinson, Tom Ellis, Paul S Freemont, Richard I Kitney, Karen Polizzi and Guy-Bart Stan  
Synthetic Biology — A Primer | 01 Jul 2012  
Preview Abstract

Chapter Full Access

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**Synthetic Biology**  
A Lab Manual

https://doi.org/10.1142/9061 | June 2014  
Pages: 204  
By (author): Josefine Liljeruhm (Uppsala University, Sweden), Erik Gullberg (Uppsala University, Sweden) and Anthony C Forster (Uppsala University, Sweden)

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Description Chapters Reviews Authors Supplementary

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**Synthetic Biology: A Lab Manual** is the first manual for laboratory work in the new and rapidly expanding field of synthetic biology. Aimed at non-specialists, it details protocols central to synthetic biology in both education and research. In addition, it provides all the information that teachers and students from high schools and tertiary institutions need for a colorful lab course in bacterial synthetic biology using chromoproteins and designer antisense RNAs. As a bonus, practical material is provided for students of the annual International Genetically Engineered Machine (iGEM) competition. The manual is based upon a highly successful course at Sweden's Uppsala University and is coauthored by one of the pioneers of synthetic biology and two bioengineering postgraduate students.

**An inspiring foreword is written by another pioneer in the field, Harvard's George Church:**  
"Synthetic biology is to early recombinant DNA as a genome is to a gene. Is there anything that SynBio will not impact? There was no doubt that the field of SynBio needed 'A Lab Manual' such as the one that you now hold in your hands."

Transcription and translation are coupled in bacteria.

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International Women's Day  
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# 书籍内容功能

**Readership:** Students and researchers in biotechnology, cell/molecular biology and genetics.

## We recommend

Physics of Emergence and Organization  
Ignazio Licata et al., World Scientific, 2008

A Manual for Primary Human Cell Culture  
Jan-Thorsten Schantz et al., World Scientific, 2004

Peregrinations from Physics to Phylogeny  
Kok Khoo Phua et al., World Scientific, 2016

Mathematical Analysis for Engineers  
Bernard Dacorogna et al., World Scientific, 2012

Modern Applications of Automata Theory  
Deepak D'Souza et al., World Scientific, 2012

All It Takes Is Vision [🔗](#)  
IEEE Pulse, 2016

All It Takes Is Vision: Synthetic Biology Opens the Doors to Vast Possibilities:  
'Ideas Just Pop Into Your Head!'. [🔗](#)  
IEEE Pulse

Synthetic Biology [🔗](#)  
Ting Xia, IEEE PULSE

Genomics and synthetic biology of traditional Chinese medicine [🔗](#)  
CHEN Shi lin;ZHU Xiao-xuan;LI Chun-fang;WANG Yong;YAO Hui;SUN  
Chao;SONG Jing-yuan, F5000, 2012

Survey and trial excavation at Church Hill, Penmaen, Swansea [🔗](#)  
Evans et al., Studia Celtica, 2010

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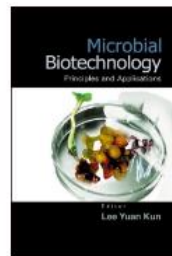
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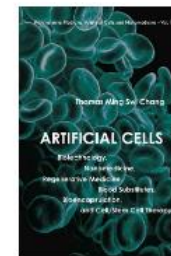
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Microbial  
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The screenshot shows a document access interface. At the top, there's a header with a green bar and the name 'Anthony C. Forster'. Below this is a navigation bar with tabs: 'Description', 'Chapters' (selected), 'Reviews', 'Authors', and 'Supplementary'. A red box highlights the text 'You have access to this ebook'. Below this, a green box highlights 'Free Access'. The main content area shows 'FRONT MATTER' with 'Pages: i-xxi' and a DOI link. A green box highlights the 'Preview Abstract' link. On the right, there are links for 'Abstract' and 'PDF'. Below this, another section shows 'Free Access' for '1: Introduction' with 'Pages: 1-6' and a DOI link. A green box highlights the 'Preview Abstract' link. On the right, there are links for 'Abstract' and 'PDF'. A green arrow points from the text '点击此处查看单章的摘要' to the 'Preview Abstract' link. Another green arrow points from the text '点击此处访问文档的电子阅读器' to the 'PDF' link.

Anthony C. Forster

Description Chapters Reviews Authors Supplementary

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FRONT MATTER

Pages: i-xxi

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1: Introduction

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非所有书籍都可以下  
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The screenshot shows the e-reader interface for the book "Synthetic Biology: A Lab Manual". The left sidebar contains the book cover, title, authors (Josefine Liljeruhm, Erik Gullberg, Anthony C. Forster), ISBN, and chapter information (Chapter 1: Introduction). The main content area displays the title "1 Introduction" and the section "WHAT IS SYNTHETIC BIOLOGY, EXACTLY?". The right sidebar shows a "Print document" button and a "Save for offline reading" option, which is highlighted with a green box. Annotations with arrows point to various UI elements: a left arrow icon for navigating options, a document icon for adjusting reading format and flow, a magnifying glass icon for searching terms, and a download icon for downloading the document in PDF format.

View in website PDF Page 1 / 6

INFO OUTLINE MATERIALS NOTES LINKS

SYNTHETIC BIOLOGY A Lab Manual

BOOK  
**Synthetic Biology**  
Josefine Liljeruhm, Erik Gullberg and Anthony C. Forster

99 CITE

<https://doi.org/10.1142/9061>

ISBN: 9789814579544

eISBN: 9789814579551

Pages: 204

CHAPTER  
1  
**Introduction**

[https://doi.org/10.1142/9789814579551\\_0001](https://doi.org/10.1142/9789814579551_0001)

1  
**Introduction**

WHAT IS SYNTHETIC BIOLOGY, EXACTLY?

You may know it when you see it, but how would you define it? Synthetic biology is undoubtedly a new, rapidly growing field that is captivating students and researchers alike. Yet, like life itself, synthetic biology is notoriously hard to define. Though the term "synthetic biology" was coined a century ago, its use only came into vogue one decade ago. This "renaissance" cannot be attributed to any single breakthrough or publication, so why did it occur? How does synthetic biology differ from, for example, the older field of biotechnology that encompasses DNA cloning, the polymerase chain reaction (PCR), monoclonal antibodies and protein overexpression? Engineers may emphasize "the development of foundational technologies that make the design and

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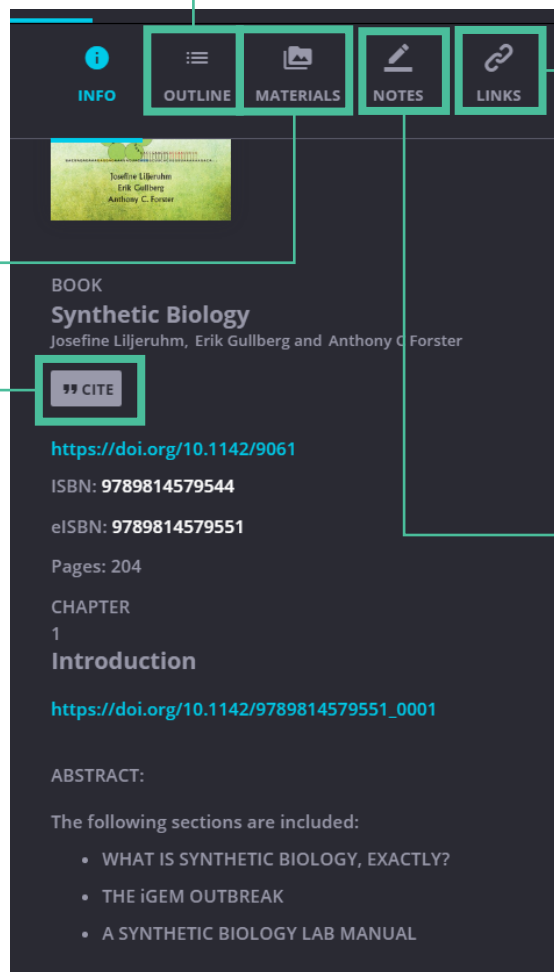
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Geoff Baldwin (Imperial College London, UK), Travis Bayer (Imperial College London, UK), Robert Dickinson (Imperial College London, UK), Tom Ellis (Imperial College London, UK), Paul S Freemont (Imperial College London, UK), Richard I Kitney (Imperial College London, UK), Karen Polizzi (Imperial College London, UK), and Guy-Bart Stan (Imperial College London, UK)

Default Book Series. October 2015

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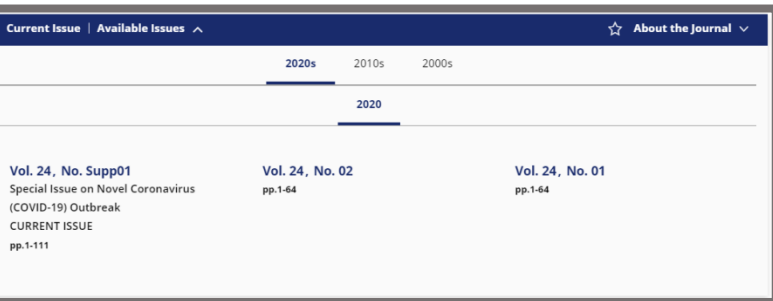
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Global Economy Journal | Vol. 19, No. 03, 1950013 (2019)

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## THE SPILLOVER AND LEVERAGE EFFECTS OF EQUITY EXCHANGE-TRADED NOTES (ETNs)

JO-HUI CHEN and JOHN FRANCIS DIAZ

<https://doi.org/10.1142/S2194565919500131> | Cited by: 0

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### Abstract

This research utilizes the Autoregressive Moving Average-General Autoregressive Conditional Heteroskedasticity (ARMA-GARCH) and Autoregressive Moving Average-Exponential General Autoregressive Conditional Heteroskedasticity (ARMA-EGARCH) in studying the spillover and leverage effects of returns and volatilities of

ed stock indices. This study  
ment instruments. Unilateral  
p investors in finding  
TNs about stock indices and  
olatility transmissions that  
of the other instrument.  
g strategies are some of the

Global Economy Journal  
Vol. 19, No. 3 (September 2019) 1950013 (17 pages)  
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DOI: 10.1142/S2194565919500131

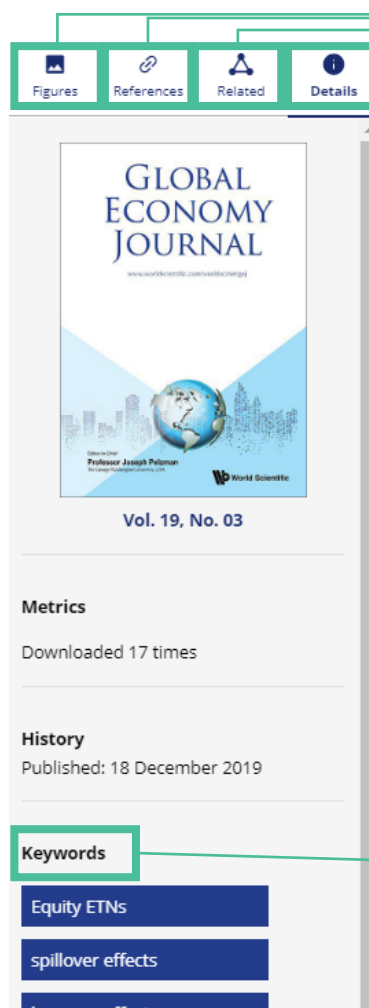


### THE SPILLOVER AND LEVERAGE EFFECTS OF EQUITY EXCHANGE-TRADED NOTES (ETNs)

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Department of Finance and Department of Accounting  
Chang Yuan Christian University, Chung-li, Taiwan  
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Published 18 December 2019



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# 个人账户导航

## MY ACCOUNT

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