

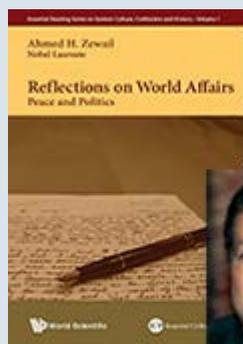
新书推荐

世界科技新书推荐：诺贝尔奖获得者及著名科学家最新著作

World Scientific is proud to bring to our readers some top titles by Nobel Laureates and other eminent scientists.

世界科技最新出版：诺贝尔奖得主
艾哈迈德·兹韦勒新作深入解析全球事务

Nobel Laureate Ahmed H. Zewail Provides Insight and Analysis on World Affairs in Latest Book Published by World Scientific



《和平与政治：全球事务评论集》

Reflections on World Affairs: Peace and Politics

by **Ahmed H Zewail** (Caltech)

知名的“飞秒化学”之父、1999年诺贝尔化学奖得主、美籍埃及科学家艾哈迈德·兹韦勒，是首位在科学领域获得诺贝尔奖的埃及科学家。他目前是加州理工学院莱纳斯·鲍林化学讲席教授、物理学教授，以及研究超快科技的物理生物研究中心主任。

"father of femtochemistry", Ahmed H. Zewail is a well-known Egyptian-American scientist who won the 1999 Nobel Prize in Chemistry, making him the first Egyptian scientist to win the prize in a scientific field. He is currently the Linus Pauling Chair Professor Chemistry, Professor of Physics and the director of the Physical Biology Centre for the Ultrafast Science and Technology at Caltech.

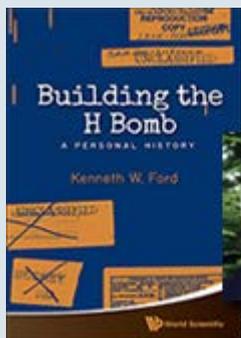
Why can't we have peace in our world, and what is its future? Can we provide basic education for all children? Why the decline in the Arab and Muslim World after reaching the acme of achievement? Is Islam the problem? In the land of opportunity - the United States of America - can the Republic maintain world leadership? Can the US sustain its leadership in innovation and prosperity, given the evolution of its culture and politics and the rise of other superpowers? In this century, how does knowledge acquisition

through education and scientific research determine the "Wealth of Nations"?

This volume, The Collected Work, is an assemblage of Zewail's reflections on world affairs. The focus is on education, science for the have-nots - as well as for the haves - and science in diplomacy. He believes that the use of the "soft power" of education, diplomacy, and economic development is far more effective, and much less expensive, than the hegemony of military aggression or politicized foreign aid. From his unique position straddling between East-West cultures and values, it is clear that most problems in our world arise from "not knowing" and "not having." It follows that education is critical, not only for enlightenment, or the "knowing," but also for boosting productivity and enhancing the "having."

著名氢弹专家肯尼斯·福特出版回忆录

H Bomb Scientist Kenneth Ford Releases Memoir



《制造氢弹：一段个人历史》

Building the H Bomb — A Personal History

作者 肯尼斯·福特 (美国物理联合会, 前会长)

by **Kenneth W Ford** (Retired Director, American Institute of Physics, USA)

"氢弹的主要设计师之一，理查德·L·加温也接受了福特博士的采访，他为这本书写了序言，他认为这本回忆录为"真实性和可读性兼具"。"

纽约时报

"A main architect of the hydrogen bomb, Richard L. Garwin, whom Dr. Ford interviewed for the book, describes the memoir in its so-called front matter as 'accurate as well as entertaining.'"

The New York Times

肯尼斯·福特是美国理论物理学家，1950年代曾在氢弹研究小组工作。他曾是美国物理联合会会长。

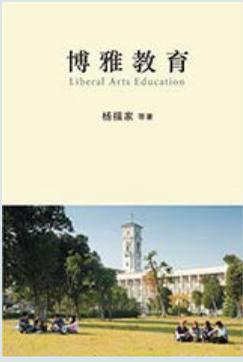
Kenneth Ford is an American theoretical physicist who worked on the hydrogen bomb in the 1950s. He was the Director of the American Institute of Physics.

In this engaging scientific memoir, Kenneth Ford recounts the time when, in his mid-twenties, he was a member of the team that designed and built the first hydrogen bomb. He worked with - and relaxed with - scientific giants of that time such as Edward Teller, Enrico Fermi, Stan Ulam, John von Neumann, and John Wheeler, and here offers illuminating insights into the personalities, the strengths, and the quirks of these men. Well known for his ability to explain physics to

nonspecialists, Ford also brings to life the physics of fission and fusion and provides a brief history of nuclear science from the discovery of radioactivity in 1896 to the ten-megaton explosion of "Mike" that obliterated a Pacific Island in 1952.

Ford worked at both Los Alamos and Princeton's Project Matterhorn, and brings out Matterhorn's major, but previously unheralded contribution to the development of the H bomb. Outside the lab, he drove a battered Chevrolet around New Mexico, a bantam motorcycle across the country, and a British roadster around New Jersey. Part of the charm of Ford's book is the way in which he leavens his well-researched descriptions of the scientific work with brief tales of his life away from weapons.

宁波诺丁汉大学校长、复旦大学前校长最新著作谈教育心得



《博雅教育》 杨福家等著

《博雅教育》一书的作者杨福家教授曾担任中国复旦大学校长6年、英国诺丁汉大学校长12年，他目前是中国宁波诺丁汉大学的校长。杨福家教授从90年代开始，就对在大学推行博雅教育提出了自己的看法，而本书正是他多年来关于大学博雅教育心得的论述。

作者以其丰富的教育实践与教育管理经验，从历史的、国际的、开放的视野，全面阐述了博雅教育的地位、博雅教育的历史、博雅教育的涵义、博雅教育的要素，以及在中国的大学教育中进行博雅教育的重要性，详细介绍了西方国家实施博雅教育的具体做法和成功经验。文中还介绍了在复旦大学开展博雅教育的基础以及宁波诺丁汉大学开展的博雅教育。

本书可供高等教育工作者管理者、研究者阅读参考，也可供各高校师生参阅。



新跃人文丛书第五册 《“无上”文明古国》 郭实猎笔下的大英 莊钦永著

在中国近代史上，普鲁士新教传教士郭实猎（Karl Friedrich August Gützlaff, 1803-1851）是个颇为重要和具争议性的人物。其后半生“二十年里几乎参与过中国沿海每一个重大事件”，对中英两国的外交纷争扮演着举足轻重的角色。他一生译著中文书刊凡63种，对晚清经世学者的世界史地，以及太平天国的宗教思想有着显著的影响。1867年刊行的伟烈亚力《基督教新教在华传教士名录》记载郭实猎著有《大英国统志》一种。将近一个半世纪后，我们始发现这则信息必须修正。其实，郭氏著有二种同名异书《大英国统志》：一是学界均知道的，以小说体裁写成、记述英国概况，目前度藏于美国哈佛大学哈佛燕京图书馆；另一是以散文撰写，今天仍静荡荡躺卧在英国利兹大学图书馆里。后一种由新嘉坡坚夏书院于1838/39年印刷问世，是世界上第一部以中文书写的英国史地书。唯自刊行后177年，就被尘埋，学者未知未闻，今日所见殆海内外仅有之孤本。是书之重现对新加坡中文印刷出版史，意义重大；它帮助我们厘清郭实猎译著的一些疑问。本书即是对这二部异书同名《大英国统志》进行较为深入的研究。

书分上下二篇：上篇是导论，先考证二书的写作背景、书稿杀青、刊行年份、印刷地等问题，次论其互文性创作技巧与书中信息之可靠真实性，后将它们置于晚清中英外交冲突场景中，对书中汉语译词“大英（国）”、“皇帝”的使用，及它们如何最终导致大清天朝体制的崩溃。下篇为二书之点校、注释本。有鉴于一般学者鲜有机会目睹这二书之全貌，所以笔者不厌其烦校定其文字、诠释其词语、疏通其内容、指明其失误，方便来日学者做进一步之研究。

尤金新书回忆父亲·首次出版抗日英雄日记



《父亲与我》
马来亚敌后工作回忆录
尤金、谭显炎 著

你想知道，136部队是如何从事敌后隐秘的抗日活动的？

你不想了解，在作家尤金的眼中，被誉为“抗日英雄”的谭显炎，究竟是怎样的一位父亲？

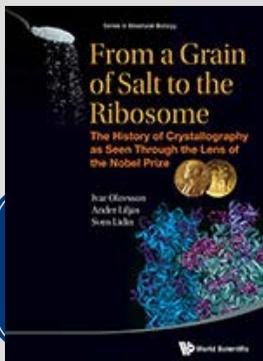
《父亲与我》此书共分两部分：

第一部分，完整地收录了谭显炎的抗敌回忆录。他在印度接受了极其严峻的军事训练后，成为136部队第一批乘坐潜水艇秘密潜入马来亚的抗日志士，隐秘地从事高度危险的抗日活动。他以生蹦活跳而又富于条理的文字，带领着读者，步步惊心走入处处都是致命陷阱的抗日活动里。

这份回忆录，肯定能够成为国民教育很好的教材；它记录了无理的侵略与正义的反抗、它记录了惨无人道的杀戮与绝不妥协的对抗。

第二部分，尤金以温馨的笔触，通过了现实生活的点点滴滴，真实而具体地把她父亲（谭显炎）的性格与为人刻画出来；许多生活的细节，在尤金巨细靡遗的描写下，充满了感人的力量。

书评选摘



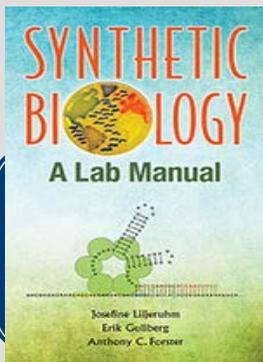
从一粒盐到核糖体：透过诺贝尔奖镜头看结晶学史

From a Grain of Salt to the Ribosome — The History of Crystallography as Seen Through the Lens of the Nobel Prize

edited by Ivar Olovsson, Anders Liljas & Sven Lidin (Lund University, Sweden)

"The book is superbly produced. There are many gems in this book as well as the compendium of important research articles. I heartily commend this book."

Crystallography Reviews, UK



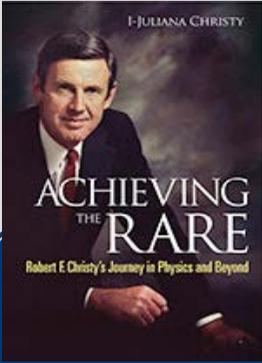
合成生物学：实验室手册

Synthetic Biology — A Lab Manual

by Josefine Liljeruhm, Erik Gullberg & Anthony C Forster (Uppsala University, Sweden)

"It provides an introductory workflow for common techniques and would be of definite use to educators wanting to bring synthetic biology into the classroom or for motivated undergraduate students with the desire to start their own iGEM team."

ACS Synthetic Biology, USA



罕见的成就

Achieving the Rare

— 罗伯特•F•克里斯蒂物理学内外的人生经历
— Robert F. Christy's Journey in Physics and Beyond
by I-Juliana Christy (Caltech)

"From 'Christy's Gadget' (the first plutonium-based atomic bomb) and the war that it helped end, to the forces that drive a star's pulsations, to intercontinental romance, this biography illuminates the life, passions, and intellect of one of the 20th century's great theoretical physicists. It is a fitting tribute to Robert Christy, whom I admired as a man as well as a scientist."

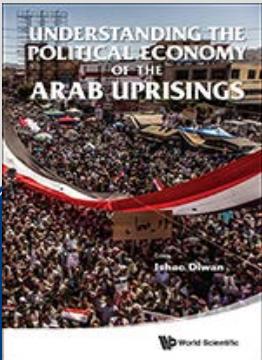
Kip S Thorne

The Feynman Professor of Theoretical Physics Emeritus, Caltech

"From the atomic bomb to the frontiers of astrophysics, Bob Christy's contributions were brilliant and seminal. In an intimate account rich with personal detail, we see up close a man of enormous energy, grace, and wisdom."

H David Politzer

Nobel Laureate in Physics 2004



解读阿拉伯起义的政治经济学

Understanding the Political Economy of the Arab Uprisings

edited by Ishac Diwan (Harvard Kennedy School of Government, USA & Economic Research Forum, Egypt)

"How are we to understand the origins and consequences of the momentous changes which have rocked the Middle East in the past four years? This book brings together some of the most insightful scholars of the region to begin to distill some of the lessons from this experience. It takes on board the extent of the variation and the rich historical legacies. An important and fascinating work."

James A Robinson

David Florence Professor of Government
Harvard University

"It includes the most commentary on the structural factors behind the uprisings, and a credible hypothesis emerges from some of its essays: in recent decades, neoliberal reforms enacted by Arab states combined with corrupt privatization schemes and crony capitalism to undermine the economic base of the middle class to ally with the lower-middle class and the poor."

Foreign Affairs, USA

沙特阿卜杜勒-阿齐兹国王科技城与世界科技就加强电子书合作达成协议

King Abdulaziz City for Science and Technology Strengthens Collaboration with World Scientific on E-Book Access



经过两年的成功合作，世界科技出版公司与沙特阿卜杜勒-阿齐兹国王科技城最近签署了合约，该科技城的2500名研究者能够使用的世界科技电子书数量将翻倍，电子书的学科领域包括了数学、基础和应用科学。

After two successful years of collaboration, World Scientific Publishing has recently signed a new agreement with the King Adulaziz City of Science and Technology (KACST), under which the national science agency's 2,500 researchers could access double the amount of e-book content in the fields of mathematics, and basic and applied sciences. In 2013, 1,500 e-book titles, including many authored by Nobel laureates, were made available to the Saudi national science agency and its national laboratories.

"KACST's research areas of focus are very much in line with World Scientific's publishing programs. We are therefore extremely delighted that they have chosen Word Scientific as their strategic partner in resource and collection development. We are deeply committed to a long term partnership with KACST to provide quality content and will continuously support the Saudi government's mission of furthering science and research in the kingdom." says World Scientific's Managing Director Mr Max Phua.

世界科技出版公司全额赞助优秀初院学生代表新加坡参加诺贝尔奖年度颁奖典礼

World Scientific Sponsors Top Student to Attend Nobel Prize Award Ceremony Annually

新加坡国家初级学院二年级的林庭仪，获得世界科技出版公司-帝国理工大学新加坡校友会杰出初院学生科学奖，得以代表新加坡在2014年12月参加瑞典斯德哥尔摩国际青年科学研讨会，并参加诺贝尔颁奖典礼。

Tammy Lim Ting Yi, a National Junior College (NJC) Year 6 student clinched the coveted World Scientific Publishing Company (WSPC)-Imperial College Alumni Association of Singapore (ICAAS) Most Outstanding Junior College (JC) Science Student Award, and represented Singapore last December at the most prestigious annual youth science event in the world - the Stockholm International Youth Science Seminar (SIYSS).



Set-up and ceremony of the Nobel Prize Presentation

Her week-long trip to Sweden comprised scientific activities and lectures, visits to research institutes, the Nobel Museum as well as unique occasions to meet and engage in conversations with Nobel laureates. The Seminar was held in conjunction with the Nobel Week.

"Being able to talk to so many laureates up close in one night was just a humbling and unforgettable experience," said Tammy who also attended the Nobel NightCap, the only media free event during the Nobel Week that allows laureates and their guests to entertain themselves and socialize in a more relaxed setting.

"This trip allowed me to see the bigger world of research out there as I met participants from 17 different countries and learnt about their research

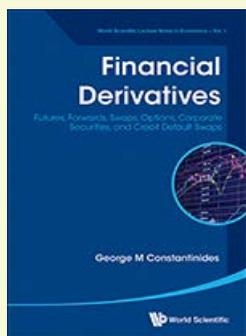
styles and projects. It was my honor to be able to meet and interact with so many Nobel laureates, hear about their research journey and understand the motivations behind their work.

"I would like to thank World Scientific Publishing Company, Imperial College Alumni Association of Singapore and the Ministry of Education, Singapore, for giving me this rare opportunity to attend SIYSS 2014."

The WSPC-ICAAS award is presented annually to the most outstanding JC student who is academically astute and demonstrates mastery in explaining scientific results with the ability to address complex problems and issues.

世界科技最新系列丛书首卷出版

World Scientific is Proud to Announce the Inaugural Volume for a New Book Series



经济学讲义

Lecture Notes on Economics

丛书编辑: Dirk Bergemann (美国耶鲁大学经济学教授)

Series edited by Dirk Bergemann, Douglass and Marion Campbell Professor of Economics, Yale University

如同世界科技其他成功的系列丛书 — "物理学讲义"、"复杂系统讲义"等, 这个系列丛书收集了世界知名教授和具有开创性的研究者的讲义。这个系列的第一卷是《金融衍生产品: 期货、远期、互惠信贷、期权、公司证券和信用违约交换》, 作者为美国

芝加哥大学布斯商学院的George M. Constantinides.

The series follows in the footsteps of other successful WS Lecture Notes series such as Lecture Notes in Physics and Lecture Notes in Complex Systems, compiling lecture notes by world renowned lecturers and pioneering researchers. The first volume of the series is titled *Financial Derivatives: Futures, Forwards, Swaps, Options, Corporate Securities, and Credit Default Swaps*, written by George M. Constantinides of the University of Chicago Booth School of Business, USA.

Professor Constantinides currently holds the Leo Melamed Professor of Finance at the university. He is a former president, vice-president, and director of the American Finance Association. He is also a former president, vice-president, and founding member of the Society for Financial Studies. Professor Constantinides has been a research associate of the National Bureau of Economic Research since 1989. He is a leader in portfolio management, asset pricing, derivatives pricing, and capital markets behavior.

World Scientific is honored to have such a notable researcher and educator as one of our authors and we hope to collaborate more on future projects.

Financial Derivatives is available in hardback (US\$88 / £58 / SGD114) and paperback (US\$45 / £30 / SGD58) at all leading academic bookstores.