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**2022-2023**

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清华大学出版社



# Tsinghua University Press

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**2022-2023**

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清华大学出版社成立于1980年，是由中国教育部主管、中国顶尖名校清华大学主办的国家一级出版社，也是中国领先的综合性教育与专业出版机构，荣获“中国出版政府奖先进出版单位”、“全国百佳图书出版单位”、“全国优秀出版社”和“全国先进高校出版社”等称号。

清华大学出版社现有员工约500人，设有8个图书分社、1个期刊中心和1个数字出版中心。现年出版新书约2500种，图书类别涉及学术专著、大中专教材、基础教育图书和大众读物，涵盖自然科学、工程技术、医学、人文社会科学和外语教育等领域。图书的销售规模和综合实力以及在中国高等教育教材市场、科技图书市场、图书馆图书配置市场的占有率均名列前茅。

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清华大学出版社现出版学术期刊44种，其中27种为英文版期刊，7种被SCI收录，以《纳米研究》和《清华大学学报（自然科学版）》为代表的一批高水平的国际化期刊在国内外的学术影响力日益增强。

清华大学出版社在数字教育、数字阅读以及多形态多媒体出版物开发和应用推广方面，积累了大量的经验，入选数字出版转型示范单位。

As an integral part of China's most prestigious university—Tsinghua University, Tsinghua University Press (TUP) was established in 1980 and is a first-class national comprehensive publisher, with a strong presence in China's higher education, science and technology and library purchase book markets.

Consisting of 8 book publishing branches, a journal center and a digital publishing center, TUP employs a staff of over 500 and publishes about 2500 new titles each year. Our publications include academic monographs, college textbooks, children's books and trade books, covering a broad spectrum of subjects, such as STEM, social science, humanities and foreign language learning.

TUP attaches great importance to international development and engages actively in international cooperation and copyright trade. While introducing hundreds of titles from dozens of overseas publishers each year, we have also licensed over 1200 titles in more than 30 languages to publishers in North America, Europe and Asia in total to date.

TUP has released 44 academic journals, 27 are in English and 7 were indexed by SCI. A number of our high-level international journals, represented by Nano Research and Journal of Tsinghua University (Science and Technology), have gained increasing global influence.

TUP is an experienced publisher in the development and marketing of e-learning, academic platforms, digital books and multimedia publications and have launched a number of well-received internet products, which were prized and supported by the State Administration of Press, Publication, Radio, Film and Television (SAPPRF).

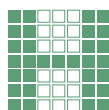


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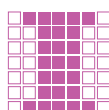
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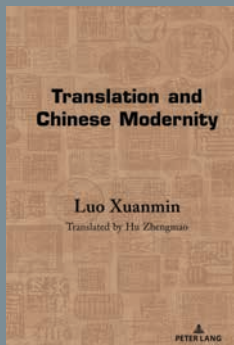
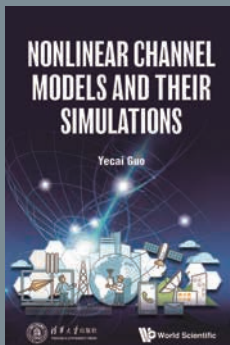
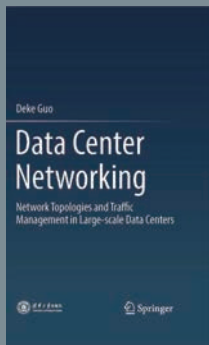
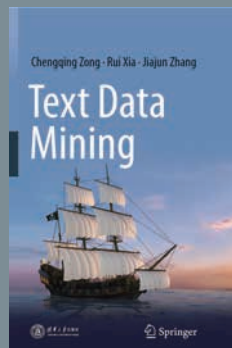
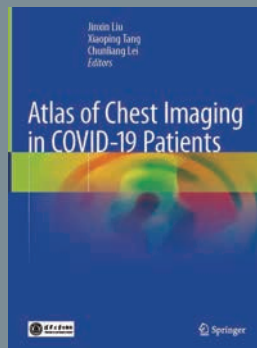
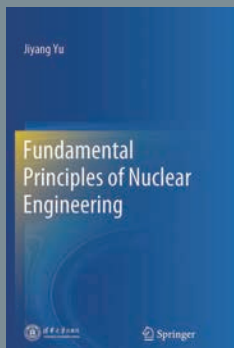
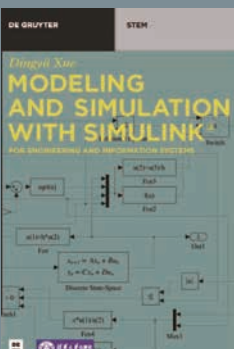
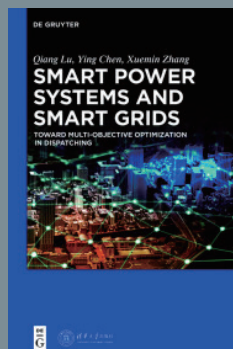
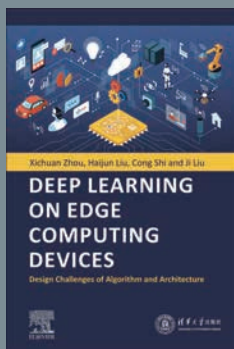
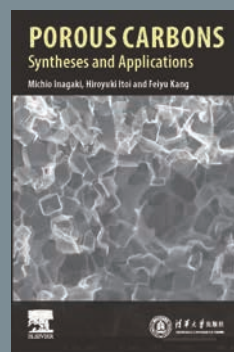
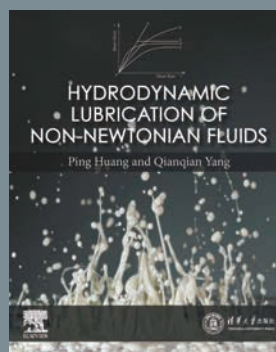
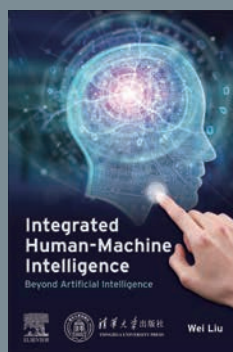
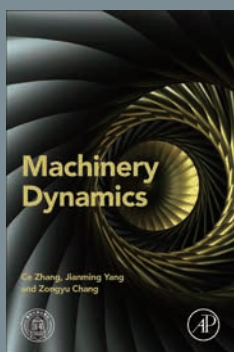


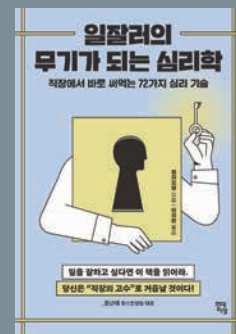
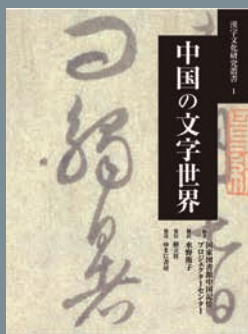
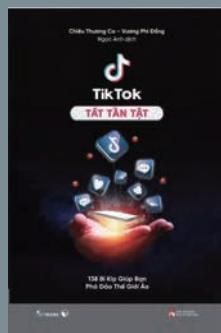
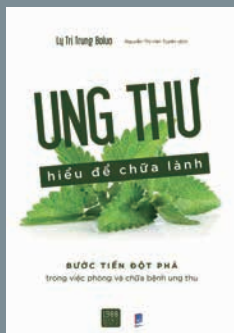
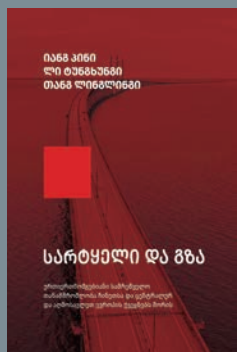
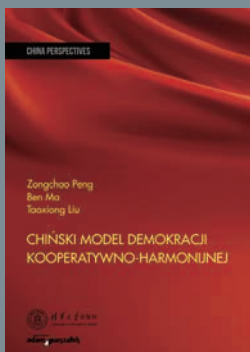
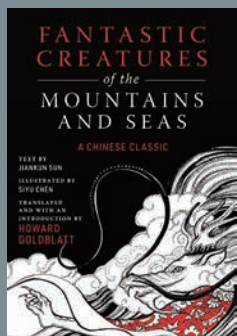
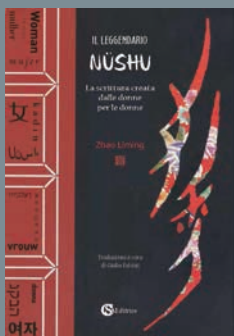
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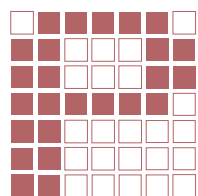
# 海外新出的清华大学出版社版权图书 New TUP Titles Published Overseas







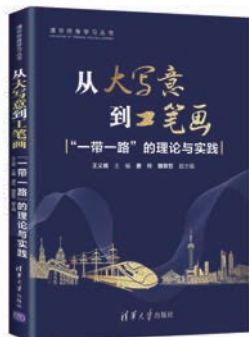




# 政治 经济

## Politics and Economy

## 从大写意到工笔画：“一带一路”的理论与实践



## From “Freehand” to “Meticulous”: Theories and Practices of the Belt and Road Initiative

作者：王义桅、唐玲、魏敬哲

Author: WANG Yiwei, TANG Ling, WEI Jingzhe

ISBN: 9787302548478

Publication Date: 2021-08-01

Page Count: 252

### About the Book:

“一带一路”倡议自2013年被提出以来，逐渐从大写意进入了工笔画阶段。一路走来，它的意义和价值正在不断展现和发展，也正影响着世界的政治、经济和文化等领域。本书分为理论和实践两部分，全面介绍“一带一路”的提出、现状、发展及已经取得的成果，尤其是实践部分的案例和材料均来自参与的各单位，它们的经验、教训和建议，为愿意参与“一带一路”的国家和企业提供了很有价值的参考。

Since it was proposed in 2013, the Belt and Road Initiative has gradually moved from a “freehand” stage to a “meticulous” stage. Its significance and value have been discovered and developed along the way, and are influencing the politics, economy and culture of the world. This book, divided into two parts, namely theories and practices, gives a comprehensive introduction of how the Belt and Road Initiative was proposed, what its current progress is, what achievements it has made and what its future development will be. It is especially worth mentioning that all of the cases and materials in the part of practices come from the participating institutions, whose experiences, lessons and suggestions will serve as a valuable reference for countries and enterprises that are willing to participate in the Belt and Road Initiative.

### About Author:

王义桅，中国人民大学国际关系学院教授，欧盟“让·莫内”讲席教授。

唐玲，清华大学副研究员。

魏敬哲，国际问题观察员，近年来从事“一带一路”涉外工作。

WANG Yiwei is Professor at Institute of International Affairs of Renmin University of China and Jean Monnet Chair Professor.

TANG Ling is associate researcher at Tsinghua University.

WEI Jingzhe is an observer of international affairs who has been working on the international cooperation under the Belt and Road Initiative in recent years.

## 技术贸易：世界趋势与中国机遇

### Trade in Technology: Global Trends and Opportunities for China



作者：江小涓 等

Author: JIANG Xiaojuan

ISBN: 9787302601715

Publication Date: 2021-06-20

Page Count: 313

#### About the Book:

随着改革开放的深入和科技全球化趋势的推进，正确把握国内、国际技术贸易的发展局势，对当前相关领域的理论研究和政策分析均有重要的意义。本书旨在全面梳理当前全球技术贸易的现状；从不同国家、不同行业等比较视角出发，阐述当前中国发展技术贸易的战略方针；倡导在当前科技全球化日渐深化、国内对自主创新日趋重视的背景下技术引进和技术发展；进而为中国未来技术贸易的发展提供切实可行的政策建议。

As the reform and opening up deepens and science and technology becomes increasingly globalized, understanding the development trend of domestic and international technology trade correctly is extremely meaningful for both theoretical research and policy analysis in related fields. This book aims to: first, comprehensively sort out the current situation of global technology trade; second, explain China's current strategies for developing technology trade by comparing the situations in different countries and industries; third, suggest introduction and development of technology amid the deepening globalization of science and technology and China's increasing emphasis on independent innovation; and fourth, provide practical policy suggestions for the future development of China's technology trade.

#### About Author:

江小涓，经济学博士，清华大学公共管理学院院长、教授，长期研究宏观经济、产业发展 and 对外开放问题。

JIANG Xiaojuan is Ph.D. in Economics and Professor and Dean of School of Public Policy & Management of Tsinghua University, who has long been studying macroeconomics, industrial development and reform and opening up.

## 当代世界与中国



## Contemporary World and China

作者：林怀艺、甄龙、蒋迪、鄢晓

Author: LIN Huaiyi, ZHEN Long, JIANG Di, YAN Xiao

ISBN: 9787302544067

Publication Date: 2021-01-01

Page Count: 272

## About the Book:

当代的世界是开放的世界，中国的发展既离不开世界，又为世界的发展贡献中国智慧和  
中国经验。本书从“地球村，中国梦”入手，强调中国人民对美好生活的向往与世界人民  
对美好生活的向往是相通的，在此基础上，系统阐述当代世界与中国的经济、民主、  
法治、文化、科技、生态、民族、宗教，阐述当代国际关系与中国的和平发展道路，以  
及面向未来的世界与中国，呈现出一幅世界与中国互动的多彩画卷。

The world today is an open one. China's development is inseparable from the world, and in the  
meantime, it contributes the Chinese wisdom and Chinese experience to the development of the  
world. Starting from "Global Village, Chinese Dream", this book emphasizes that the people  
in China and in the world share the same wish for a better life. On this basis, it systematically  
elaborates on the economy, democracy, rule of law, culture, science and technology, ecology,  
ethnicity and religion of the contemporary world and China, on contemporary international  
relations and China's path of peaceful development, and on the future-oriented world and China,  
presenting a colorful scroll of the interaction between the world and China.

## About Author:

林怀艺，华侨大学教授、马克思主义学院院长。

LIN Huaiyi is Professor and Dean of School of Marxism of Huaqiao University.



## 清华大学中国平衡发展指数报告



## Tsinghua China Balanced Development Index

作者：许宪春、白重恩、刘涛雄

Author: XU Xianchun, BAI Chong'en, LIU Taoxiong

ISBN: 9787302580232

Publication Date: 2021-06-01

Page Count: 232

## About the Book:

中国特色社会主义进入新时代，主要社会矛盾已转化为人民日益增长的美好生活需要和不平衡不充分的发展之间的矛盾。发展不平衡不充分问题已成为满足人民日益增长的美好生活需要的主要制约因素，从定量角度研究发展不平衡不充分问题，对中国平衡发展开展理论和实证研究，已经成为一个极其重要的时代课题。清华大学中国平衡发展指数是对发展不平衡不充分问题的定量分析。它从中国社会主要矛盾出发，对发展的不平衡不充分程度进行评价，对平衡发展的进程进行监测，反映中国平衡发展成就，揭示平衡发展中的不足，为制定宏观政策提供依据。

As socialism with Chinese characteristics enters a new era, the principal social conflict has been transformed into that between people's ever-growing need for a better life and unbalanced and inadequate economic development. The problem of unbalanced and inadequate development has become a major constraint on meeting the people's growing need for a better life. It has become an extremely important issue of the era to study the problem of unbalanced and inadequate development from a quantitative perspective and to conduct theoretical and empirical research on the balanced development of China. Tsinghua China Balanced Development Index is a quantitative analysis of the problem of unbalanced and inadequate development. From the main conflicts of Chinese society, it evaluates the degree of unbalanced and inadequate development, so as to provide a basis for the formulation of macro policies.

## About Author:

许宪春，清华大学教授、中国经济社会数据研究中心主任。

白重恩，清华大学弗里曼讲席教授（Mansfield Freeman Chair Professor）、中国财政税收研究所所长。

刘涛雄，清华大学教授、创新发展研究院执行院长。

XU Xianchun is Professor at Tsinghua University and Director of Tsinghua China Data Center.

BAI Chong'en is Mansfield Freeman Chair Professor at Tsinghua University, and Director of China Institute of Finance and Taxation of Tsinghua University.

LIU Taoxiong is Professor and Executive Director of the Institute for Innovation and Development of Tsinghua University.

## 通往富裕之路：中国扶贫的理论思考



## The Road to Riches: Theoretical Analysis of Poverty Alleviation in China

作者：雷明 姚昕言 等

Author: LEI Ming, YAO Xinyan, et al.

ISBN: 9787302586265

Publication Date: 2021-08-01

Page Count: 568

### About the Book:

本书立足于中国脱贫攻坚实践，基于准公共物品理论和制度变迁等视角，从理论层面系统地梳理了中国扶贫政策和制度。通过系统总结中国扶贫经验的内在模式，聚焦扶贫有效制度供给、路径选择、激励机制、政府治理、群众内生动力等重要议题。此外，还深入考察分析了不同主体在扶贫开发实践中的角色，分析了政府主导下的多元协作扶贫开发与人民群众主体地位的表现，从而试图从理论层面勾勒出中国扶贫生态，为理解中国扶贫开发与减贫成就提供本土视角，也尝试为世界减贫与发展诠释中国样板。

Based on China's practices of poverty alleviation, this book systematically sorts out China's policies and systems in poverty alleviation from the theoretical perspectives of quasi-public goods theory and institutional change. By reviewing the inherent patterns of China's experience in a systematic way, the book focuses on the important issues of poverty alleviation such as its effective institutional supply, pathway selection, incentive mechanisms, government governance, and the people's internal motives. It also analyzes in depth the roles of different players in poverty alleviation, the government-led multi-form collaborative poverty alleviation mechanism, and the leading role of the people in poverty alleviation, with the attempts to outline the landscape of China's poverty alleviation efforts from the theoretical level, provide a local perspective for other countries to understand China's development-oriented poverty alleviation strategy and its achievements, and explain to the world the Chinese model for the world's poverty alleviation and development.

### About Author:

雷明，北京大学教授、乡村振兴研究院院长。英国爱丁堡大学H.教授。

LEI Ming is Professor and Director of the Institute on Rural Revitalization of Peking University, and Honorary Professor of the University of Edinburgh, UK.

## 迈向共同富裕：中国扶贫的实践选择

# Towards Common Prosperity: China's Practices and Choices in Poverty Alleviation



作者：雷明、刘曦绯 等

Author: LEI Ming, LIU Xifei, et al.

ISBN: 9787302599005

Publication Date: 2021-05-30

Page Count: 592

### About the Book:

本书围绕“全面小康，一个不落”的任务目标，从多维贫困与多元扶贫视角，系统梳理了中国政府的多元扶贫的实践道路。书中立体呈现了围绕共同富裕目标，政府不断优化财政支持的效率与结构，团结各界力量广泛参与扶贫，接受社会各界对中国扶贫成效进行检验的现实选择。作者还系统揭示了蕴含在这场攻坚战中的理论逻辑，梳理提炼出行之有效的具体扶贫模式；探讨并深入阐释了在这一模式选择下，中国积累的宝贵经验，同时生动展示了基层脱贫工作的具体案例。

Focusing on the goals of “building a moderate prosperous society in all respects” and “leaving no one behind in poverty alleviation”, this book systematically reviews the Chinese government’s practices of poverty alleviation from multidimensional perspectives. The book presents a three-dimensional picture of the government’s realistic choices, based on the goal of common prosperity, which include optimizing the efficiency and structure of its financial support, uniting all sectors of society to participate in poverty alleviation, and openness for public inspection of the effectiveness of poverty alleviation in China. The authors also reveal, in a systematic way, the theoretical logic behind this battle against poverty, summarize the concrete model of poverty alleviation that has been proven effective, discuss and explain in depth the valuable experience of China under this model, and illustrate vividly concrete cases of poverty alleviation at the grassroots level.

### About Author:

雷明，北京大学教授、乡村振兴研究院院长。英国爱丁堡大学H.教授。

刘曦绯，北京大学博士生，研究方向：管理科学、低碳发展、贫困治理。

LEI Ming is Professor and Director of the Institute on Rural Revitalization of Peking University, and Honorary Professor of the University of Edinburgh, UK.

LIU Xifei is a Ph.D. student at Peking University, whose main research interests include management science, low-carbon development, and poverty governance.

## 物权：规范与学说——以中国物权的解释论为中心(上册、下册)(第二版)



### Property Law: Paradigms and Theories Focusing on Explaining the Property Law of the People's Republic of China (I & II) (Second Edition)

作者：崔建远

Author: CUI Jianyuan

ISBN: 9787302590118&9787302589716

Publication Date: 2021-11-01

Page Count: 712

#### About the Book:

本书第一版获第三届中国出版政府奖。第二版在第一版基础上，依据《中华人民共和国民法典》及相关法律的规定，阐释了物权及物权法的概念，介绍了物权法及物权法学的体系，分析了物权法的基本原则，描述了物权法的发展和我国物权法的制定，依次介绍和讨论了物权的类型、物权的客体、物权的效力、物权的变动、物权的保护、占有、所有权总论、建筑物区分所有权、相邻关系、共有、土地承包经营权、建设用地使用权、宅基地使用权、海域使用权、居住权、地役权及探矿权、采矿权、取水权、养殖权、捕捞权诸用益物权，以及抵押权、质权和留置权诸担保物权。

On the basis of the first edition, which won the third China Government Award for Publishing, and in accordance with the stipulations in the Civil Code of the People's Republic of China and related laws, this second edition explains the concept of real rights and property law, introduces the system of property law and jurisprudence of real rights, analyzes the basic principles of property law, reviews the development of property law and the formulation of property law in China, and introduces and discusses in turn the types, objects, effects, changes and protection of real rights; the possession; the general theory of ownership; the condominium right; the neighboring relationship; the co-ownership; the right to land contractual management; the right to the use of land for construction; the right to the use of house sites; the right to use sea areas; the right of habitation; easements; usufruct rights such as the right to explore and mine minerals, to draw water, and to engage in aquaculture or fishing; and security interests such as the interests obtained in mortgage, pledge and lien.

#### About Author:

崔建远，清华大学教授，“长江学者”特聘教授，“凯原”学者，著作包括《准物权研究》《论争中的渔业权》《土地上的权利群论纲》等获奖作品。

CUI Jianyuan is Professor at Tsinghua University, Distinguished Professor of the Changjiang Scholar Program and KoGuan Scholar. His main awarded researches include *Treatise on Quasi Real Rights*, *On Fishing Rights*, and *the Outline of Land Rights*.

## 现代中国哲学史中的方法论研究

### Methodologies in Modern Chinese Philosophy



作者：高海波

Author: GAO Haibo

ISBN: 9787302589426

Publication Date: 2021-10-01

Page Count: 264

#### About the Book:

方法论意识是现代中国哲学研究当中一个突出的部分。现代中国哲学家都有比较自觉的方法论意识,值得深入研究。本书详细梳理了胡适、梁漱溟、冯友兰、张岱年四位现代中国哲学家的哲学方法,材料丰富,且以时间顺序考察出各位哲学家方法论的变迁。另外,将这些哲学家置于相互比较中,凸显其方法论的意义。本书可供研究现代中国思想、现代中国哲学的学者,以及从事现代中国哲学及思想教学工作的读者阅读。

Methodological consciousness is a prominent part in modern Chinese philosophical research. Modern Chinese philosophers all have high methodological consciousness, a phenomenon worth studying in depth. This book provides, with a wealth of materials, a detailed survey of the philosophical methodologies of four modern Chinese philosophers, namely Hu Shi, Liang Shuming, Feng Youlan, and Zhang Dainian, and presents the evolution of each philosopher's methodologies in chronological orders. The author also compares these philosophers with each other, which highlights even more the significance of their methodologies. This book is suitable for scholars and teachers of modern Chinese philosophy and thoughts.

#### About Author:

高海波, 哲学博士, 清华大学副教授, 主要研究领域: 宋明理学、现代中国哲学。

GAO Haibo is Ph.D. in Philosophy and Associate Professor at Tsinghua University, whose main research interests include Song-Ming Confucianism and modern Chinese philosophy.



## 让“社会”有“文化”——人类学自我本土化反省

### Cultivate “Wenhua” in Societies: Reflection on the Self-indigenization of the Anthropological Study



作者：张小军

Author: ZHANG Xiaojun

ISBN: 9787302592709

Publication Date: 2021-10-01

Page Count: 236

#### About the Book:

本书重在探讨文化人类学理论的本土化、本土现象的人类学研究以及人类发展理论的中国实践。第一部分：“名”辨学科，探讨中国之“文”作为万物相互作用之道的深刻学术内涵。第二部分：“学”归本土，通过本土人类学的中国研究，思考人类学中国研究的理论对话。第三部分：“文”言宗族，通过历史上的宗族研究，与“韦伯命题”、弗里德曼的“边陲说”以及“差序格局”等相关理论进行对话。第四部分：“鬼”说帝国，反省历史上“鬼”的地方本土化如何促进了西南地区的国家化过程。

This book focuses on the indigenization of cultural anthropological theory, the anthropological study of indigenous phenomena, and the Chinese practices of human development theory. In the first part, Defining the Disciplines, the author discusses the profound academic connotation of the Chinese word “Wen” as the law of interaction of all things. In the second part, Indigenization of Foreign Learning, the author reviews Chinese local anthropological studies and shares his thoughts about how to indigenize anthropological study in China. In the third part, Discussions on Lineage Studies, the author reviews the lineage studies in history and discusses Weber’s proposition, Friedman’s “Borderland Theory” and Fei Xiaotong’s “Differential Mode of Association”. In the fourth part, Ghosts in Empire-Building, the author reflects on how the indigenization of “ghosts” contributed to the nationalization of the southwestern region of China.

#### About Author:

张小军，香港中文大学博士，清华大学教授，主要从事文化人类学理论方法等领域的研究。

ZHANG Xiaojun is Ph.D. from the Chinese University of Hong Kong and Professor at Tsinghua University, who is mainly engaged in researches on theoretical approaches of cultural anthropology.

## 中国历代财富管理思想精要

## Essentials of Wealth Management Thoughts in Chinese Dynasties



作者：吴现波、马兴波

Author: WU Xianbo, MA Xingbo

ISBN: 9787302577720

Publication Date: 2021-06-01

Page Count: 196

### About the Book:

中国历代政治家、思想家关于财富管理的思想，是中华优秀传统文化的重要组成部分。本书从中国历代政治家、思想家的论著中精选其关于财富管理的要论130余条编写而成。全书分六章编排，涵盖了古人关于财富地位、财富伦理、财富生产、财富流通、财富积累和财富人才等方面的要论。

The thoughts on wealth management of Chinese ancient politicians and thinkers are an important part of the Chinese traditional culture. This book is a collection of more than 130 most essential essays on wealth management from the treatises of Chinese politicians and thinkers in history. The book is arranged in six chapters, covering the thoughts of the ancients on wealth status, ethics, generation, circulation, accumulation and talents.

### About Author:

吴现波，山东工商学院讲师。

WU Xianbo is a lecturer at Shangdong Technology and Business University.

## 中国城市大趋势：未来10年的超级新格局

### China's Urban Megatrends: the New Super Landscape in the Next Decade



作者：凯风

Author: KAI Feng

ISBN: 9787302596295

Publication Date: 2022-01-01

Page Count: 356

#### About the Book:

城市竞争，不进则退，中国城市格局每隔十年都会为之一变。从重工业城市一枝独秀到沿海贸易城市崛起，从强省会崭露头角到内陆城市重回高光时刻，从北上广深四城鼎立到强二线城市百花齐放，良性的城市竞争是中国经济奇迹不容忽视的贡献者。当今世界适逢百年未有之大变局，中国经济已经跃居世界第二，一众城市跻身世界城市之列，科技自立自强、国内大循环、共同富裕、以人为本的新型城镇化等正在成为新的时代关键词。未来10年，新一轮城市大洗牌开启，谁能晋级，谁会掉队？

In the competition among cities, if one does not advance, it falls behind. The ranking of Chinese cities changes every decade. From the heavy industrial cities being the sole leaders to the rise of the coastal cities of trade, from the strong provincial capitals rising to prominence to the inland cities' coming back to the spotlight, from the four powerhouse cities (Beijing, Shanghai, Guangzhou and Shenzhen) to the strong second-tier cities, healthy competition among cities has been an essential contributor to China's economic miracle. Today's world is experiencing tremendous changes that have never been seen in a century. With China's economy leaping to the second place, a number of Chinese cities rank among the top in the world. Technological self-dependence, domestic circulation, common prosperity, and new people-oriented urbanization are becoming the new key words of the new era. In the next decade, a new round of shake-up will start in the ranking of cities. Who will be able to advance, and who will fall behind?

#### About Author:

凯风，新锐财经作家，曾任资深媒体评论员。

KAI Feng is an emerging financial writer who used to work as a senior media commentator.

## 读懂中国经济：格局、周期与趋势

Understanding China's Economy:  
Its Patterns, Cycles and Trends

作者：赵硕刚

Author: ZHAO Shuogang

ISBN: 9787302596301

Publication Date: 2022-01-01

Page Count: 416

## About the Book:

本书共分为三个部分：第一篇从经济格局角度，通过对主要经济指标的解读，系统性地认识中国经济的基本面以及国民经济循环的基本状况，总结新冠肺炎疫情前后中国经济的突出变化和主要特征。第二篇从经济周期角度，基于常见的经济周期类型，介绍中国经济周期性波动的表现、成因以及影响，分析当前中国经济运行所处的周期位置，展望“十四五”时期中国经济的增长前景。第三篇从长期趋势角度，根据各国经济增长的历史经验，分析中国长期经济增长的变化以及经济结构的变迁规律，勾勒出2035年远景目标下的中国经济增长趋势。

This book is divided into three parts. The first part focuses on the patterns of China's economy. By interpreting major economic indicators, the author provides a systematic understanding of the fundamentals of China's economy and the basic conditions of the national economic cycle, and summarizes the marked changes and main features of China's economy before and after the COVID-19 pandemic. The second part places its focus on the economic cycles. On the basis of common economic cycles, the author introduces the forms, causes and impacts of the cyclical fluctuations in China's economy, analyzes its current position in the cycle, and projects its future growth in the 14th Five-Year Plan period from 2021-2025. The third part puts the spotlight on the long-term trends of China's economy. Based on other countries' experience in economic growth, the author analyzes changes in China's long-term economic growth and the pattern of economic structural changes, and outlines the growth trend of China's economy under the country's long-range objectives through the year 2035.

## About Author:

赵硕刚，国家信息中心研究室副主任，经济学博士，主要从事世界经济、中国经济等领域研究。

ZHAO Shuogang is a PhD in Economics and Deputy Director of the State Information Center, who is mainly engaged in researches on the world economy and the Chinese economy.

## 中国国有企业创新与改革：实践与案例

## Innovation and Reform of China's State-Owned Enterprises: Practices and Cases



作者：【美】贾宁

Author: JIA Ning

ISBN: 9787302593287

Publication Date: 2022-01-01

Page Count: 296

## About the Book:

作者基于清华经管学院工商管理案例教学的多年深厚实践，从最近5年积累的有关国有企业管理与发展的教学案例中精心择取有突出特色的16个案例，重新进行修订归类，梳理阐释。这16个案例主要涉及当前国有企业发展令人关注的热点，一是在国家新发展格局下贯彻“一带一路”倡议的探索实践；二是在国家制造业升级战略下推进企业数字化转型；三是通过创新、战略变革和强化企业内部管理体系打造行业标杆；四是塑造民族品牌、建设中国特色企业文化。案例涵盖采掘业、制造业、基建业、保险业等多个行业。

Based on years of profound experience in teaching business administration cases in the School of Economics and Management of Tsinghua University, the author carefully selects, revises, categorizes, and explains 16 cases with outstanding features on the management and development of state-owned enterprises in the last five years. These 16 cases are related to the current hot topics regarding the development of state-owned enterprises: first, the exploration and practices of the implementation of the Belt and Road Initiative under the new development pattern of the country; second, the digital transformation of enterprises under the national manufacturing upgrading strategy; third, the creation of industry benchmarks through innovation, strategic transformation and strengthening of enterprises' internal management system; fourth, the shaping of national brands and building of corporate culture with Chinese characteristics. The cases cover a wide range of industries, such as mining, manufacturing, infrastructure, and insurance.

## About Author:

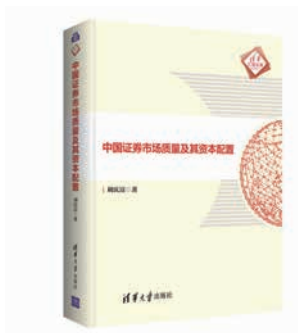
贾宁，清华大学副教授，主要研究领域包括企业国际化和案例研究。

JIA Ning is Associate Professor at Tsinghua University, whose main research fields include globalization of enterprises and related case studies.



## 中国证券市场质量及其资本配置

### The Quality of China's Stock Markets and Their Capital Allocation



作者：刘庆富

Author: LIU Qingfu

ISBN: 9787302581437

Publication Date: 2021-06-01

Page Count: 400

#### About the Book:

本书的研究内容主要可以分为两大方面，一方面是有关中国证券市场质量的研究，首先是构建市场质量指数并进行检验，然后研究市场之间的关联性并进行市场质量检验，紧接着分别从市场流动性、信息反映能力、价格发现机制三个角度研究中国证券市场的功能性和整体质量；另一方面是有关资本配置的研究，首先构建投资组合研究中国市场资本配置效率，其次研究中国资本配置的套利机制，再次基于动态投资策略研究国内与国际资本配置绩效，最后探讨中国证券市场的套期保值和投资价值。

The research in this book focuses on two major areas. The first one is the quality of China's stock markets, which is evaluated with three approaches: first, by creating and applying a market quality index; second, by studying the correlation between markets; and third, by studying the market liquidity, reaction to information and price discovery mechanism, which also evaluates the functionality and overall quality of China's stock markets. The second area is the capital allocation. The author first creates a portfolio to study the efficiency of capital allocation in China's stock markets. Then he studies the arbitrage mechanism of capital allocation in China and the performance of capital allocation in China and in the world based on dynamic investment strategy.

#### About Author:

刘庆富，教授，上海浦江学者，现任复旦-斯坦福中国金融科技与安全研究院执行院长。

LIU Qingfu is a professor, a Shanghai Pujiang Scholar, and currently the Executive Director of the Fudan-Stanford Institute for China Financial Technology and Security.

## 中国文化产业史

## History of the Culture Industry in China



作者：李向民

Author: LI Xiangmin

ISBN: 9787302602798

Publication Date: 2022-03-01

Page Count: 236

### About the Book:

中国文化产业史在内容安排上，共分为十三章，从原始社会的艺术起源中的经济因素开始，依据历史朝代交替的脉络，以艺术赞助的视角切入，梳理并分析文化产业各个阶段的发展情况，研究文化产品从古至今的生产、交换与消费，分析皇室赞助、私家赞助、公众赞助在各个阶段相关文化产业行业所发生的影响，总结归纳中国文化产业发展的规律。读者通过本书较为系统地了解中国文化产业发展的来龙去脉及相关特征。

History of the Culture Industry in China is organized into thirteen chapters. Starting from the economic factors in the origin of art in prehistoric societies, the book reviews and analyzes the development of the culture industry in each dynasty from the perspective of art patronage; studies the production, exchange and consumption of cultural products from ancient times to the present; analyzes the influence of royal, private and public patronage to the culture industry at each period; and summarizes the development pattern of China's cultural industry. It provides readers with a systematic understanding of the development of China's cultural industry and its characteristics.

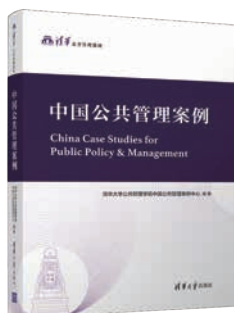
### About Author:

李向民，教授，南京艺术学院副院长。

LI Xiangmin is Professor and Vice Principal of Nanjing University of Arts.

## 中国公共管理案例

# China Case Studies for Public Policy & Management



作者：清华大学公共管理学院中国公共管理案例中心  
Author: The China Case Center for Public Policy & Management (CCCPPM)  
ISBN: 9787302596288  
Publication Date: 2022-03-01  
Page Count: 456

### About the Book:

全书分为党的建设、政府建设、经济、社会、文教、生态文明六个部分，内容涵盖党建、国家机构改革、行政审批改革、财税改革、区域发展、社会组织发展、社会保障、贫困治理、教育发展、生态文明十个方面。该书是中国公共管理案例中心多年的教学积累，由清华大学公共管理学院的众多师生集体参与案例编写和分析研究，理论联系实际，多角度展示中国改革开放和社会主义现代化建设实践成就，从公共管理的专业视角总结治理经验。

The book is divided into six parts, namely party building, government building, and economic, social, cultural-educational, and ecological civilization, covering ten aspects including party building, state institutional reform, administrative approval reform, fiscal and tax reform, regional development, social organization development, social security, poverty governance, education development, and ecological civilization. It is a compilation of case studies during years of teaching in the China Case Center for Public Policy & Management (CCCPPM). The cases and their analysis, adapted and written with theories and facts by the teachers and students from the School of Public Policy & Management of Tsinghua University, demonstrate the achievements of China's reform and opening up and socialist modernization from multiple perspectives and in a deep and systematic way.

### About Author:

清华大学公共管理学院中国公共管理案例中心（China Case Center for Public Policy & Management，简称CCCPPM）成立于2004年，是中国第一家公共管理案例中心，专业从事中英文案例、多媒体案例开发和案例库建设，服务于中国公共管理领域的理论创新和实践发展。

The China Case Center for Public Policy & Management (CCCPPM) of the School of Public Policy & Management of Tsinghua University, established in 2004, is the first case center for public policy and management in China, specializing in the development of Chinese and English cases, multimedia cases and case database, and aiming to serve the theoretical innovation and application of public policy and management in China.

## 中国都市圈发展报告2021

China Metropolitan Area  
Development Report 2021

作者：尹稚、卢庆强、吕晓荷、王强

Author: YIN Zhi, LU Qingqiang, LV Xiaohe, WANG Qiang

ISBN: 9787302596691

Publication Date: 2021-12-01

Page Count: 276

## About the Book:

本书主体分为两部分，上篇为全国都市圈建设进展与新要求，系统梳理了国家与地方层面都市圈相关的政策部署，根据优化后的都市圈综合发展质量评价指标体系对全国主要都市圈发展状况进行追踪评价，聚焦六大关键领域总结都市圈发展实践；下篇为重点都市圈实践与主要经验，此外，报告也就新冠疫情下的都市圈发展做了专门章节的阐述。

The book is divided into two parts. In the first part that focuses on the progress and new requirements for the construction of metropolitan areas around the country, the authors first sort out systematically the national and local policy arrangement regarding metropolitan areas; then conduct longitudinal evaluation on the development of major metropolitan areas around the country using the optimized comprehensive development quality index for metropolitan areas; and finally review the development of metropolitan areas in six key areas. The second part is comprised of the practices and main experience of key metropolitan areas. In addition, the report also includes a special chapter on the development of metropolitan areas amid the COVID-19 pandemic.

## About Author:

尹稚，清华大学教授、国家治理与全球治理研究院首席专家，中国城市规划学会副理事长。

卢庆强，清华大学城市群与都市圈研究分中心主任，北京清华同衡规划设计研究院副总规划师，主要从事城市与区域、城镇化研究。

YIN Zhi is Professor and Chief Expert of Institute of National Governance and Global Governance of Tsinghua University, and Vice President of the Urban Planning Society of China.

LU Qingqiang is Director of the Research Center of Urban Cluster and Metropolitan Areas of Tsinghua University, and Deputy Chief Planner of Beijing Tsinghua Tongheng Urban Planning and Design Institute, who is mainly engaged in researches on cities and regions and urbanization.

## 社会化媒体背景下中国电视媒体的融合发展路径研究

### Research on the Pathways of Integrated Development of Chinese TV Media under the Influence of Social Media



作者：金海鑫

Author: JIN Haixin

ISBN: 9787302594949

Publication Date: 2021-12-01

Page Count: 144

#### About the Book:

本文拟从生产制作维度、媒介形态维度、受众效果维度、产业理论维度四个方面，来探讨两类媒介之间相互作用所产生的新型内容生产及运作模式；通过数据，量化分析社会化媒体和电视媒体的具体关联程度，剖析影响社会化媒体下电视媒体发展的主要原因；理清现阶段电视媒体与社会化媒体在宏观、中观、微观三个不同层面上的优势互补及应该关注的问题，由表及里的挖掘出适应媒介发展规律的电视媒体与社会化媒体的互动模式。

This book intends to explore the new mode of content production and operation generated by the interaction between the two types of media from four aspects—production, media, audience effect, and industrial theories; analyze quantitatively through data the specific degree of association between social media and TV media, as well as the main reasons affecting the development of TV media under the influence of social media; understand clearly the advantages and problems worth noticing of TV media and social media in macro, meso and micro levels at the current stage, and find out the interaction mode between TV media and social media that follows the pattern of media development.

#### About Author:

金海鑫，博士，主要研究方向为新媒体、品牌传播推广。

JIN Haixin is Ph.D. and his main research interests are new media and brand communication and promotion.



## 创业原理、案例与实训——以中华文化为背景

### Principles, Cases and Practices of Entrepreneurship in the Context of Chinese Culture



作者：张耀辉、王勇

Author: ZHANG Yaohui, WANG Yong

ISBN: 9787302548461

Publication Date: 2022-03-01

Page Count: 236

#### About the Book:

作为创业教育系列读本之一，《创业原理、案例与实训——以中华文化为背景》一书阐述了中华文化中隐藏着的商业智慧是推动创业者走向成功的动力。全书精华之处在于，用中华文化指导创业者进行创意、创新和创业实践，从根文化中挖掘出创业者的未来领导力，对于企业与创业者的持续成长、基业长青具有深远的意义。

As one of the books in the Entrepreneurship Education Series, *Principles, Cases and Practices of Entrepreneurship in the Context of Chinese Culture* illustrates how the hidden business wisdoms in Chinese culture drive entrepreneurs to succeed. The essence of the book lies in teaching entrepreneurs to develop creativity, innovation and entrepreneurial practices with Chinese culture and tapping the future leader potential of entrepreneurs with their root culture. This book has far-reaching implications for the sustainable growth of businesses and entrepreneurs.

#### About Author:

张耀辉，经济学博士，教授，研究方向为产业经济学、创新创业管理。

Professor ZHANG Yaohui is Ph.D. in Economics, and his main research interests include industrial economics and innovation and entrepreneurship management.

## 深圳创新密码——重新定义科技园区

### The Password of Innovation in Shenzhen: Redefining Science and Technology Industrial Park



作者：邱文

Author: QIU Wen

ISBN: 9787302579946

Publication Date: 2021-06-01

Page Count: 324

#### About the Book:

本书的作者是深圳科技园实践创新的实践者和管理者，他从多个角度回顾了深圳科技园区的变迁和成长，借助一个个成功的案例，深度剖析了深圳科技园区的生态系统的创新机制，将科技园区发展模式的具体实践与经济发展、产业发展理论紧密结合，从社会发展及产业规律的角度，重构了科技园区对城市乃至中国创新发展的价值。

The author of this book is a manager and practical innovator in Shenzhen Science and Technology Park. He first reviews the transformation and growth of Shenzhen Science and Technology Park from several perspectives, then deeply analyzes the innovation mechanism of its ecosystem with a series of successful cases, closely combines the practice of its development model with the theories of economic and industrial development, and, from the perspective of social development and industrial patterns, reshapes the value of Shenzhen Science and Technology Park to the innovation development of the city and even China.

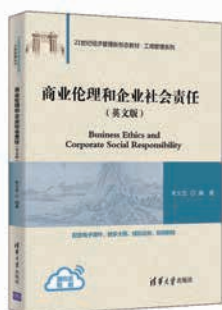
#### About Author:

邱文，现任深圳湾科技发展有限公司董事长。

QIU Wen is Chairman of Shenzhen Bay Technology Development Co., Ltd.

## 商业伦理和企业社会责任(英文版)

### Business Ethics and Corporate Social Responsibility (English Edition)



作者：朱文忠

Author: ZHU Wenzhong

ISBN: 9787302603146

Publication Date: 2022-04-01

Page Count: 120

#### About the Book:

本书用英文编写，语言表达简单易懂，涵盖伦理与商业伦理、传统儒家文化与企业社会责任、全球化与伦理挑战、“一带一路”与企业社会责任、优秀企业案例等内容，积极融入中国传统文化价值观，传播社会正能量。

This book, written in simple English, covers ethics and business ethics, traditional Confucian culture and corporate social responsibility, globalization and ethical challenges, the Belt and Road Initiative and corporate social responsibility, and cases of corporate best practices. The author incorporates Chinese traditional cultural values and spreading positive social energy in this textbook.

#### About Author:

朱文忠，广东外语外贸大学院长、教授，讲授商业伦理与企业社会责任（英文）等课程。

ZHU Wenzhong is Dean and Professor at Guangdong University of Foreign Studies, who teaches courses on Business Ethics and Corporate Social Responsibility (in English).

## 华为能否复制



## Can Huawei Be Copied

作者：延俊华

Author: YAN Junhua

ISBN: 9787302600916

Publication Date: 2022-02-01

Page Count: 362

### About the Book:

本书旨在深度挖掘华为的成功逻辑，以华为的管理体系建设为主线，通过纪实故事回顾华为的成长历史，对华为经验的普遍适用性进行分类说明，为读者带来启发。本书的读者对象包括企业管理者及对管理学感兴趣者，同时适合希望了解华为管理体系建设的读者，希望本书能够成为理解华为和企业管理变革的必读之作。

With the aim to dig deep into the logic of Huawei's success, this book, centering on the construction of Huawei's management system, reviews Huawei's development through a series of true stories, and classifies and explains the universal applicability of Huawei's experience, providing inspiration to readers. The book is intended for corporate managers, people interested in management, and readers who wish to understand Huawei's management system. It is hoped that this book will become a must-read for anyone wishing to understand Huawei and corporate management revolution.

### About Author:

延俊华，博士，IPD/ISC管理专家，拥有十六年华为公司工作经验。

YAN Junhua is Ph.D. and expert in IPD/ISC management, who has 16 years of experience working for Huawei.

## 一本书读懂数字经济

## Understand Digital Economy in One Book



作者：李晓雨、杨欣

Author: LI Xiaoyu, YANG Xin

ISBN: 9787302581406

Publication Date: 2021-08-01

Page Count: 196

### About the Book:

本书深入浅出地讲解数字经济，让读者在最短的时间内了解数字经济的全貌，培养大数据思维，提升数字素养。全书共分4个部分，第一部分详细讲解数字经济的技术基础“八大金刚”，即大数据、云计算、人工智能、物联网、移动互联网、(5G通信)、区块链、虚拟现实及增强现实；第二部分详细介绍数字经济这尊“大佛”；第三部分介绍活跃在数字经济领域的“四大天王”，即共享经济、零工经济、注意力经济、平台经济；第四部分讲解数字经济发展面临的“邪魔”，即数字霸权的威胁、由来及应对措施。

This is a book that explains the very complicated digital economy in a simple and interesting way, with the aim to allow readers understand the whole picture of the digital economy, develop big data thinking, and improve digital literacy in the shortest possible time. It is divided into four parts. The first part explains in detail the eight technical basis of the digital economy, namely big data, cloud computing, artificial intelligence, Internet of Things, mobile Internet, (5G communication), block chain, virtual reality and augmented reality. The second part gives a detailed introduction of the digital economy. The third part turns the spotlight on the four most active fields in the digital economy, namely, the sharing economy, the gig economy, the attention economy, and the platform economy. Finally, the fourth part explains the threat facing the development of the digital economy, namely the threat of digital hegemony, as well as its causes and countermeasures.

### About Author:

李晓雨，在高校一线教学十多年，讲授过信息管理、电子商务、人工智能、机器人技术等课程。

杨欣，高级工程师，人工智能专家，目前从事人工智能技术相关专业教学和管理工作的。

LI Xiaoyu has years of teaching experience in universities, who has taught courses on information management, e-commerce, artificial intelligence, and robotics, etc.

YANG Xin is a senior engineer and expert in artificial intelligence, who is currently engaged in teaching and management of artificial intelligence technology-related majors.

## 大师精华课系列

## The Essence of 16 Masters



## 管理学原来很有趣——16位大师的精华课

## Management Is Very Interesting: The Essence of 16 Masters

作者：张楠

Author: ZHANG Nan

ISBN: 9787302572640

Publication Date: 2021-11-01

Page Count: 304

## About the Book:

本书以古今中外的管理学大师口述的方式，讲述其思想精华。本书虚拟了16堂管理学大家之课，分别从16个方面讲述管理学的内容，力求让读者在轻松愉快的氛围里，熟练地掌握管理学知识，学到管理技能。

In this book, 16 ancient and contemporary, Chinese and foreign masters of management talk about the essence of their ideas in 16 imaginary lessons from 16 aspects of management. The book seeks to create a relaxed and enjoyable atmosphere for readers to master the essentials and skills of management.

## 传播学原来很有趣——16位大师的精华课

### Communication Is Very Interesting: The Essence of 16 Masters

作者：梁萍

Author: LIANG Ping

ISBN: 9787302582540

Publication Date: 2021-09-01

Page Count: 304

#### About the Book:

本书围绕生活中经常出现的传播学现象，选取了16位享誉世界的传播学大师，以课堂演讲的方式，让每位传播学导师讲解自己的理论。为了更好地帮助读者理解和应用，所选择的内容均是传播学经典内容，并且多与日常生活关联颇深。

In this book, 16 world-renowned masters in communication give lectures on their theories about the communication phenomena we often see in life. In order to help readers better understand and apply the theories, what have been chosen are the most classic communication theories that are mostly connected to daily life.

## 历史学原来很有趣——16位大师的精华课

### History Is Very Interesting: The Essence of 16 Masters

作者：曲水

Author: QU Shu

ISBN: 9787302582564

Publication Date: 2021-12-01

Page Count: 288

#### About the Book:

在这本书中，希罗多德、汤因比、塔西佗、司马迁等16位世界著名历史学家有意识地提出一些问题，让读者在互动中轻松掌握相关知识。本书还从职场人李彤的视角展开，通过她在学习中的感悟，以及在工作中对历史学知识的运用，将历史学与工作、生活紧紧结合起来。

In this book, 16 world-famous historians including Herodotus, Toynbee, Tacitus and Sima Qian intentionally ask questions that allow readers to grasp easily relative knowledge through the interactions. The book also introduces how the fictional protagonist Li Tong, a white collar, applies her history knowledge and thoughts obtained from learning history on her daily work and life.



## 经济学原来很有趣——16位大师的精华课

### Economics Is Very Interesting: The Essence of 16 Masters

作者: 王文君

Author: WANG Wenjun ISBN: 9787302589020

Publication Date: 2021-12-01

Page Count: 300

#### About the Book:

本书虚拟了16堂经济学大家之课,从16个方面解析经济学相关理论。在授课过程中,作者安排了读者与经济学大师们的互动交流,从而更好地帮助读者理解经济学内容。本书可以让读者在轻松愉快的氛围里,学会用经济学眼光看问题。

This book presents 16 imaginary lessons from the great masters of economics that analyze 16 aspects of economic theories. The author creates interactions between readers and the masters in economics during the lectures to help readers better understand the ideas of economics. This book allows readers to learn to analyze problems from the perspective of economics in a relaxed and enjoyable atmosphere.

#### 本系列丛书还包括:

《心理学原来很有趣——16位大师的精华课》(2018年)

《逻辑学原来很有趣——16位大师的精华课》(2018年)

《哲学原来很有趣——16位大师的精华课》(2018年)

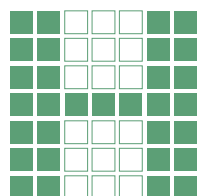
#### This book series also includes:

**Psychology Is Very Interesting: The Essence of 16 Masters (2018)**

**Logic Is Very Interesting: The Essence of 16 Masters (2018)**

**Philosophy Is Very Interesting: The Essence of 16 Masters (2018)**





**历史 文化 艺术 建筑**  
**History, Culture, Arts and**  
**Architecture**

## 礼乐史——人文视野下的中华礼乐文明

Music in Chinese Ancient Ritual  
and Music Culture:  
A Humanistic Perspective

作者：林大雄

Author: LIN Daxiong

ISBN: 9787302568803

Publication Date: 2021-03-01

Page Count: 252

## About the Book:

礼乐文明是中国自夏商周以来直至清代近三千年的传统文化的基本特征，代表了中国传统文化心理的价值取向。本书是中国音乐学院林大雄副教授所负责课程相关讲座演讲稿的汇总，书中各篇文章的作者（即各个讲座的主讲人），均为国内音乐史、礼制研究方面的知名专家，他们多角度阐述了音乐在中国历史上的作用，以及两者之间的关系。本书以音乐为切入点，向广大读者普及了中国优秀传统文化知识与历史常识，也可作为学习中国音乐史的参考资料。

The ritual and music compose the basic features of China's traditional culture for nearly 3,000 years from the Xia, Shang and Zhou Dynasties till the Qing Dynasty, and is, therefore, a representation of Chinese traditional cultural values. The book, a collection of the lectures delivered by Chinese renowned scholars engaged in the studies of music history and Chinese ancient rituals at the courses hosted by Associate Professor Lin Daxiong of the China Conservatory of Music. It elaborates on the role of music and the relationship between music and rituals in the history of China. The book can serve as an introduction to Chinese traditional culture and history for the general public, and also a reference for those specializing on the Chinese music history.

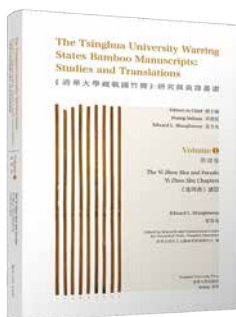
## About Author:

林大雄，中国音乐学院副教授。

LIN Daxiong is Associate Professor of the China Conservatory of Music.

## 清华大学藏战国竹简（第一卷）：《逸周书》诸篇（英文版）

## Tsinghua University Warring States Bamboo Manuscripts (Volume One): The Yi Zhou Shu and Pseudo-Yi Zhou Shu Chapters



作者：清华大学出土文献研究与保护中心 著 夏含夷 著、译

Author: (author) Research and Conservation Center for Unearthed Texts, Tsinghua University, (author and translator) Edward L. Shaughnessy  
ISBN: 9787302601876

Publication Date: to be published

Page Count: 327

### About the Book:

2008年7月，清华大学从境外抢救入藏了一批战国时期竹简，学界称之为“清华简”。清华简的内容多为早期的经史类典籍，其中除了可与《尚书》等传世古书对照的篇目外，更多的则是已失传两千年之久的前所未见的佚篇。本书的主要内容是对清华简中见于《逸周书》或与之体裁相近篇目（《命训》《程寤》《皇门》《祭公》《保训》《封许之命》）的英译及背景知识介绍。

In July 2008, Tsinghua University salvaged and received into its collection a corpus of invaluable bamboo slips dating from the Warring States period, commonly referred to as the “Tsinghua manuscripts” by the academic circle. Most of the inscriptions on the bamboo slips are texts related to the classics (Jing) and histories (Shi). Except for some texts from the Shang Shu or the Exalted Scriptures and similar classics, most of the texts are believed to be the long-lost discrete ones that have never been seen for over 2,000 years. This book is an English translation the texts of the “Yi Zhou Shu” or Leftover Zhou Scriptures and other texts of similar genre (including “Ming Xun” or Instruction on Mandates, “Cheng Wu” or Awakening at Cheng, “Huang Men” or August Gate, “Bao Xun” or The Protective Instruction, “Feng Xu Zhi Ming” or The Command Enfeoffing Xu) found in the Tsinghua Slips, accompanied by introduction of relevant background.

### About Author:

清华大学出土文献研究与保护中心主要从事甲骨、金文、简帛等出土文献的研究与保护工作，是国内外从事出土文献研究与保护工作的重镇。

The Research and Conservation Center for Unearthed Texts of Tsinghua University is a major institute in China that studies and conserves unearthed texts, including texts engraved on oracle bones (the Oracle Bone Script) and on bronze ware (the Bronze Script) as well as those written on bamboo slips and silk.

Edward L. Shaughnessy (夏含夷)，美国芝加哥大学东亚语文系顾理雅中国古代名誉教授，主要研究方向为出土文献研究与中国经学研究。

Edward L. Shaughnessy is Lorraine J. and Herrlee G. Creel Distinguished Service Professor in Early Chinese Studies, from the Department of East Asian Languages and Civilizations, the University of Chicago. His main research interests include unearthed texts and Chinese classics.

## 南宋沙场

## A Concise Military History of the Southern Song Dynasty (1127-1279)



作者：陈胜利

Author: CHEN Shengli

ISBN: 9787302578499

Publication Date: 2021-08-01

Page Count: 368

## About the Book:

这是一部简明南宋军事史。本书的特色，一是秉持“历史不止于一个当事人”理念，将南宋战史纳入蒙古世界大征服的宏观视野，揭示南宋军民抗金、抗蒙斗争的艰苦卓绝；二是秉持“以史为鉴”理念，深入研究、研讨蒙古致胜的原因，以及南宋、金朝、西夏战而亡的教训；三是秉持“历史重在细节”理念，详述了顺昌之战等关键性、典型性战役的进程，以及野战、阵战等战法，使读者既对军事上的成败得失有整体认识，又能把握战争细节；四是秉承“以人为本”的传统史学观念，对成吉思汗等重点人物进行了重点介绍。

A Concise Military History of the Southern Song Dynasty has the following four major features. First, believing that “there is more than one perspective in history”, the author places the wars of the Southern Song Dynasty in the grand context of the Mongol conquest of the world, and reveals the arduousness and tenacity of the soldiers and civilians of the Southern Song Dynasty in their fights against the Jin Dynasty and the Mongols from the northern China. Second, bearing in mind that “history is a mirror of the past and a lesson for the present”, the author looks deep into the reasons of the Mongols’ triumph, and discusses the lessons from the failure and the subsequent collapse of the Southern Song, Jin and Western Xia Dynasties. Third, understanding that “history lies in the details”, the author, by narrating the most critical and representative battles such as the Battle of Shunchang and explaining the types of warfare including field warfare and positional warfare in details, offers not only an overall introduction but also critical details of the wars during the Southern Song Dynasty. And finally, inheriting the traditional historical thought that “history is people-centered”, the author also gives interesting accounts of illustrious figures from this period, such as Genghis Khan.

## 呐喊与回响：二十世纪中国小说的思想与艺术

### The Outcry and Its Echo: Thoughts and Art of Chinese Novels in the 20th Century



作者：陈岸峰

Author: CHEN Anfeng

ISBN: 9787302583233

Publication Date: 2021-08-01

Page Count: 180

#### About the Book:

中国的新文学革命已走过了一百多年的历程，无论是作为现代文学代表的“小说”，还是与现代小说关键主题相关的启蒙思想，均有必要在学术上作一次全面的省思。在讲义基础上进一步整理而成的著作，从鲁迅先生的《呐喊》到金庸武侠小说，以点带面，揭示了中国百年文坛所走过的历程。本书将“现代”与“当代”视作一血脉相承的文学传统，选取鲁迅、老舍等具有较强代表性的作家，探索小说之思想，分析小说之艺术，既有文本细读，亦有理论阐发，是一部较有特色的现当代小说研究之作。

After more than a hundred years since the Chinese New Literary Movement emerged in the late 1910s, it is necessary to have an overall review from the academic point of view on the novels, the representative genre of modern literature, and the enlightenment ideas related to the key themes of those modern novels. This book, organized on the basis of the author's lectures, reviews the history of Chinese literature in the past century from Lu Xun's *Outcry* to Jin Yong's martial arts novels. Considering that "contemporary" fictions are lineal descents from "modern" novels, the author explores the ideas and analyzes the art in the novels written by Lu Xun, Lao She, and several other most representative writers in the 20th century. Combining close reading of excerpts from the novels with explanation of related theories, the book is a unique study of modern and contemporary novels.

#### About Author:

陈岸峰，教授，研究中国文学及历史。

CHEN Anfeng is a professor and his main research interests are Chinese literature and history.



## 不浪漫：赵孟頫传

## Nothing Romantic: A Biography of Zhao Mengfu



作者：周文翰

Author: ZHOU Wenhan

ISBN: 9787302604334

Publication Date: 2022-07-01

Page Count: 408

## About the Book:

赵孟頫是元代最有声望的书画家和文化高官，也是中国艺术史上的闪耀巨星之一，可是他也是人们了解最少的古代名人。赵孟頫的一生乍看像是落魄王孙、江南才子靠奋斗获得巨大成功的传奇，可是这本颠覆性的传记将以新的研究视角揭开他留下的许多谜团和暗语，追溯他的家族、婚姻、出仕中的诸多难言之隐和沉痛的无奈，分析他的书画创作的演变线索，呈现这位官场上的“被动者”如何变成一代艺术巨匠，由此读者将更深切地感受赵孟頫和他所处的时代。

Zhao Mengfu was the most prestigious calligrapher, painter and high-level official during the Yuan Dynasty, one of the most shining stars in Chinese art history, yet the least known celebrity of ancient times. Though Zhao's life seems to be a legend of a down-and-out descendant of the imperial family yet, at the same time, a great talent from the south of the Yangtze River, who scored huge success after arduous efforts, this biography tells a different story from a new research perspective by unveiling the mysteries and cryptic messages he left behind, tracing the unspeakable pain and sorrowful helplessness he experienced with his family, in his marriage and during his career life. The book also analyzes the clues of his evolution in painting and calligraphy, presenting the course of how a "passive person" in politics became a master in art. Through this biography, readers will be able to better understand Zhao's time and experience his feelings.

## About Author:

周文翰，艺术和建筑评论家、作家。

ZHOU Wenhan is an art and architecture critic and writer.

## 中国传统文化（第二版）

### Traditional Chinese Culture (Second Edition)



作者：王霁

Author: Wang Ji

ISBN: 9787302544210

Publication Date: 2021-03-01

Page Count: 280

#### About the Book:

本书从哲学、道德、宗教、书画、诗歌、中医、武术、建筑等十二个方面全景式展现了中国传统文化的源远流长与博大精深，对于学生养成传统美德、树立文化自信、感受文化魅力、掌握文化精粹有着十分重要的作用。本书以通俗的语言，通过大量鲜活的案例和精美的图片，将中国传统文化写得活灵活现，跃然纸上，使之更符合高职学情，真正达到立德树人的目的。

This book panoramically presents the long history and profoundness of traditional Chinese culture in twelve aspects, including philosophy, morality, religion, painting and calligraphy, poetry, traditional Chinese medicine, martial arts and architecture. It is of great significance for students to cultivate traditional virtues, establish cultural confidence, feel the charm of culture and master the essence of culture. The book is written in language that is easy to understand, and uses a large number of living cases and beautiful pictures to vividly introduce the traditional Chinese culture, so that it is more compatible with the situation of higher education, and can foster character and civic virtue.

#### About Author:

王霁，教授、博士生导师。

Wang Ji is Professor and Doctoral Supervisor.

## 中国传统文化导论（第二版）

### Introduction to Chinese Traditional Culture (the Second Edition)



作者：夏宇旭

Author: XIA Yuxu

ISBN: 9787302590897

Publication Date: 2021-09-01

Page Count: 252

#### About the Book:

本书主要内容包括中国传统文化的基本精神、中国哲学思想、中国传统经学、书法与绘画、中国传统节日文化、中国龙文化、中国生肖文化等，通过学习，使读者了解中华优秀传统文化的博大精深，深刻理解其独特价值，感悟其中蕴含的思想观念、人文精神、道德规范等，力图更好地传播中国精神、中国价值和中国力量。

This book embraces the basic spirit of Chinese traditional culture, Chinese philosophy, Confucian classics, calligraphy, painting, traditional festivals, Chinese dragon culture, as well as Chinese zodiacs. This book enables readers to better understand the extensive, and profound Chinese traditional culture, its unique value, and the ideas, humanistic spirit and moral ethics behind it, with the aim to promote the Chinese spirit, Chinese values and Chinese power in a better way.

#### About Author:

夏宇旭，教授，长期从事中国古代史及传统文化的教研工作。

XIA Yuxu is a professor, and he has long been engaged in teaching and studying Chinese ancient history and traditional culture.

## 鲁班文化与工匠精神

### Lu Ban Culture and the Spirit of Craftsmanship



作者：谷道宗 王光炎 等

Author: GU Daozong, WANG Guangyan et al.

ISBN: 9787302584315

Publication Date: 2021-08-01

Page Count: 280

#### About the Book:

本书梳理了历代典籍文献中关于鲁班及工匠文化的记载，将鲁班文化的产生和传承进行归纳整理，对中华优秀传统文化中工匠精神的形成及发展进行了溯源与分析，甄选了十位当代典型的大国工匠和六个大国重器科研攻关典型案例。并从学校、企业、社会3个层面，提出传承鲁班文化、弘扬现代工匠精神、培养具有“匠心、匠气、匠技”的新时代工匠人才的途径。本书内容共六章，包括百工圣祖、匠人智慧、善国双圣、工匠精神、大国工匠、匠心筑梦。

This book collates the historical records on Lu Ban and the craftsmanship culture, with the aim to sort out and sum up the birth and inheritance of “Lu Ban culture”, as well as trace back and analyze the formation and development of the spirit of craftsmanship in Chinese traditional culture. The book selects 10 contemporary model master craftsmen and 6 exemplary cases of China’s major breakthroughs in core technologies in key fields to demonstrate the modern craftsmanship, and proposes ways, from three perspectives, namely school, enterprise and society, to inherit “Lu Ban culture”, promote modern craftsmanship, and cultivate talents with both the spirit and skills for being a craftsman in the new era. The book is broken up into six chapters, whose titles are “The Founder of All Crafts”, “The Wisdom of Craftsmen”, “The Two Saints of the Good Country”, “The Spirit of Craftsmen”, “Craftsmen in the Great Country” and “Building Dreams with Craftsmanship”.

#### About Author:

王光炎，教授，一级建造师。

WANG Guangyan is a professor and a first-class registered architect.

## 大宋帝国三百年（第四部）

## Three Hundred Years of the Song Dynasty (Book 4)



作者：月润江南

Author: YUE Run Jiang Nan

ISBN: 9787302545484

Publication Date: 2021-09-01

Page Count: 244

## About the Book:

本系列图书按照时间顺序，讲述了从唐末农民起义到崖山海战之间三百余年中发生的历史故事，本书为第四部，主要讲述了宋真宗时代的历史故事。全书史料均源于正史，其中既有国与国之间的博弈，也有人与人之间的爱恨；既有帝王的开疆拓土、或明或昏，也有名臣们的生平际遇、宦海沉浮，众多人与事交织成一部大气磅礴的两宋历史剧，读者可从中感受到那段时期的社会风貌与人情百态，更可从人与人及国与国的博弈中品味世情的冷暖与处世之道。

This series of books tells the historical stories that happened in more than three hundred years from the peasant uprising at the end of Tang Dynasty to the Battle of Yashan Sea in a chronicle order. This Book 4 brings into the spotlight the history in the era of Emperor Zhenzong. The stories in the book, all extracted from the official history, encompass competitions between countries, the love and hate between people, the imperial expansion and the rights and wrongs of the emperor, as well as the vicissitudes in the life of the famous ministers. The great characters and events, interwoven with each other, together make up a magnificent historical drama of the two Song dynasties, allowing readers to experience the social landscape, get to know the people of the time, and see through the fickleness of human nature, understand the philosophy of life from the competitions between people and between countries.

## About Author:

月润江南，本名旷翔宇，历史领域创作者。

YUE Run Jiang Nan, whose original name is KUANG Xiangyu, is an outstanding history content creator.

## 18天搞定古代文化常识



### Master the Basics of Chinese Ancient Culture in 18 Days

作者：谢明波

Author: XIE Mingbo

ISBN: 9787302585367

Publication Date: 2021-08-01

Page Count: 244

#### About the Book:

古代文化常识复习备考无本可参、无章可循，学生做题很大程度上靠碰运气和过往积累，难有系统复习的图书可供参考，此书的编写理念是“讲练结合，精准备考”，精准指向古代文化常识版块，适合学生平时学习备考使用，也可做语文教师备课参考。

Considering that there is not any textbook that helps students systematically review the basic of Chinese ancient culture, so that students have to rely on past accumulation of disorganized knowledge and pure luck in exams, this book is especially written to prepare students for the exams that involve the basics of Chinese ancient culture with exercises and explanations. It is also suitable for Chinese literature teachers to design their courses.

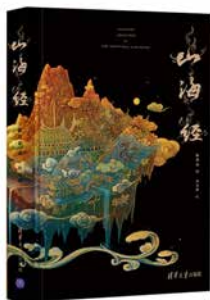
#### About Author:

谢明波，高考语文辅导名师，从事教育行业多年。

XIE Mingbo is a star college entrance exam tutor of Chinese literature and has been in the education industry for many years.

## 山海经（精装版）

## Fantastic Creatures of the Mountains and Seas (Hardcover Edition)



作者：陈丝雨 绘 孙见坤 注

Author: (illustration) Chen Siyu, (Text) Sun Jiankun

ISBN: 9787302513667

Publication Date: 2021-11-01

Page Count: 344

## About the Book:

亮美觉醒全彩版《山海经》历时六年呕心彩绘，插画师陈丝雨带你重新认识山海经的万千色彩！国学鬼才孙见坤为每张插画进行山海经文字注解，简洁考究又不失幽默的语风，轻松易读。180幅绝美仙草神兽，11万字配套专业注解，带你感受神秘超凡的中国远古神话。344页高清炫彩专金五色印刷，加入金属光泽，画面瑰丽典雅，只为送你一个无与伦比的山海经世界。

After six years of utmost efforts, Chen Siyu, a freelance illustrator, together with Sun Jiankun, a talented scholar of Chinese culture, presents to you the exquisite full-color version of Fantastic Creatures of the Mountains and Seas. In the book, Chen will reshape your understanding of the colorful world in the Chinese classics Shan-Hai-Ching, while Sun explains to you each illustration as well as the text of Shan-Hai-Ching in simple, well-tailored yet humorous language. With 180 splendid illustrations of the fantastic mythological creatures and 110,000-word professional explanations, this book will bring you into ancient Chinese mysterious, extraordinary mythological world. All 344 high-definition pages, printed with five colors including a metallic gold, which adds metallic luster, presents magnificent, elegant and dazzling pictures, just to create for you an unparalleled world of Shan-Hai-Ching.

## About Author:

陈丝雨，自由插画师，绘本作家，作品曾入选美国插画年鉴。

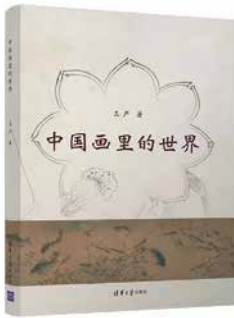
CHEN Siyu is a freelance illustrator. She has won the American Illustration competition in 2010 and her work was selected to appear in their annual book.

孙见坤，上海社会科学院研究生，著有《山海经新释之山经略解》。

SUN Jiankun is a researcher at Shanghai Academy of Social Sciences, and has been widely acclaimed for his work on interpretation of Shan-Hai-Ching.



## 中国画里的世界



## The World in Chinese Painting

作者: 王严

Author: WANG Yan

ISBN: 9787302593102

Publication Date: 2021-12-01

Page Count: 156

### About the Book:

本书是一本理解中国画之美的普及读物，以中国历史上三位传奇的皇帝画家的故事开篇，沿着美术史的发展脉络，介绍历史长河中那些熠熠生辉的名字和传世之作。难能可贵的是，作者以散文笔法谈到中国画历史上20多位代表性画家的38幅作品，将艺术作品与当时的社会生活相结合，文笔清新自然，令读者徜徉其间宛若步入画卷营造的空间，为国画之美而深深感动。

This book is aimed for the general public to understand the beauty of Chinese painting. It opens with the stories of three legendary Chinese emperors, who were also painters, and introduces the great masters and their masterpieces following the evolution of art history. The most remarkable of this book is that the author writes about 38 works of more than 20 representative painters in the history of Chinese painting in a prose style, combining art works with the social life of the time in a fresh and natural way. His writings allow readers to walk into the world of the paintings and feel deeply moved by the beauty of Chinese painting.

### About Author:

王严，高校教师，中国美术家协会会员。

WANG Yan is a college lecturer and a member of China Artists Association.

## 中国简帛书法大字典(第四部)

## Dictionary of the Chinese Ancient Calligraphy on Bamboo Slips and Silk (Volume 4)



作者: 吴巍

Author: WU Wei

ISBN: 9787302589839

Publication Date: 2021-09-01

Page Count: 1744

## About the Book:

《中国简帛书法大字典》在中国书法史上是第一部，不但把仅存的3000多个实用单字复活到8200多个单字，囊括了《新华字典》的所有文字，同时并重新考证8200多个单字的演变轨迹和源头，挑战千年隶书源于小篆的定论。提出一个源头两条脉络，西周金文为源头，篆书和隶书分别是金文的两条脉络，两个流向，最终变为两种书法体系。本书一字一页，加上拼音音节索引、部首检字表、前言、题跋等，共约6400页，初步拟定全套4册出版。本书为《中国简帛书法大字典》第四部，约1600页。

The Dictionary of the Chinese ancient calligraphy on bamboo slips and silk is a first in China's history of calligraphy that not only restores over 8,200 characters, covering all characters in the Xinhua Dictionary, from the only over 3,000 existing characters on the unearthed ancient relics, but also re-examines the origin and the evolution of the 8200 characters, challenging the widely-accepted theory that the Clerical Script originated from the Small Seal Script. It proposes that both the Clerical Script and the Seal Script derived from the Bronze Script of the Western Zhou Dynasty and eventually became two different styles of calligraphy. With each page introducing one character, the book has 6,400 pages in total counting the index by pinyin, index by components, as well as the prefaces, forewords and the postscript. The dictionary is planned to be published in four volumes. This is the fourth volume with about 1600 pages.

## About Author:

吴巍，近30年致力于失传2000多年简帛书法艺术的整理、研究和创作。

WU Wei has been engaged in the organization, research and development of Chinese ancient calligraphy on bamboo slips and silk, which has been lost for over 2,000 years, in the past three decades.

## 岁时节俗知多少

### Chinese Customs and Traditions



作者：马大勇 著；Dodolog 绘

Author: (Text) MA Dayong, (Illustration) Dodolog

ISBN: 9787302586289

Publication Date: 2021-07-01

Page Count: 296

#### About the Book:

《岁时节俗知多少》是一部介绍中国传统节日文化的普及读物，旨在介绍中国的节令之美，包括四季节日的起源、来龙去脉，注重叙述节日中蕴含的农耕文明、传统美德。年画、剪纸、赏红、龙舟、乞巧、拜月等各种美术、游艺之俗，是爱的教育、美的熏陶。图文并茂，引经据典，全面揭示了中国传统节令文化的深厚内涵。

Chinese Customs and Traditions is an introduction for the general public to the cultural customs and traditions during Chinese festivals. It aims to present the beauty of Chinese festivals in different seasons, including their origins and history, with a special focus on the agricultural civilization and traditional virtues embedded in the festivals. The book brings readers into a journey of beauty and love as it explores various art and traditions such as hanging Chinese New Year paintings, making paper-cutting works, tying red ribbons on flowers, rowing dragon boats, making needlework and worshipping the moon. With illustrations and texts, as well as quotes from Chinese classics, the book comprehensively reveals the profound connotation of traditional Chinese festival culture.

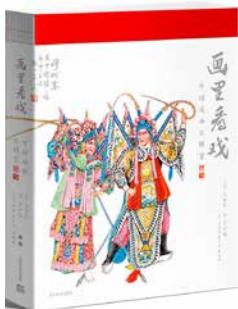
#### About Author:

马大勇，南宁市作协会员，主要从事中国文化普及读物的写作。

MA Dayong is a member of the Writer Association of Nanning, who focuses on writing books about Chinese culture.

## 画里看戏：中国戏曲百图赏

## Appreciating Chinese Opera through 200 Paintings



作者：马紫晨主编，关世俊图，马紫晨、梁小斐、郭晓迎文

Author: (Editor) MA Zichen, (Illustration) GUAN Shijun,

(Text) MA Zichen, LIANG Xiaofei, GUO Xiaoying

ISBN: 9787302594956

Publication Date: 2022-03-01

Page Count: 380

## About the Book:

该书以200幅中国戏曲工笔画核心，详细解读了画面所包含的丰富信息，如剧种、剧目、取材、剧情、人物、扮相、表演形态，以及同样题材的其他剧种、代表流派、著名演员的代表剧目等。涵盖我国20余个代表剧种，细腻传神的画面、详细透彻的解读，不仅让读者一领当代戏剧名家的风采、掌握戏曲知识，而且也对我国的戏曲文化的传承与传播起到积极作用。是当代中国传统艺术文化珍稀的视觉资料。

Centering on 200 meticulous brush paintings of Chinese opera, this book explains in detail the rich information on these paintings, including the genre of the opera, the name of the play, the origin of its basic story, its plot, characters, costumes and make-ups, the form of performance, as well as other genres with the same subject matter, the most representative styles in different genres, and the masterpiece plays of the famous artists. The delicate and vivid paintings combined with the detailed and thorough explanations, which together cover over 20 most important genres across the country, allow readers to learn the profiles of the contemporary masters and the basic knowledge of Chinese opera, which helps promote and develop this form of art. The book is also a valuable contemporary visual material of Chinese traditional art and culture.

## About Author:

关世俊，从事美术编辑、摄影等工作，酷爱京剧，曾主演《文天祥》《九更天》《岳飞》等剧目。

马紫晨，河南艺术史论家，戏剧理论家。

GUAN Shijun is an art editor, photographer and Beijing Opera aficionado, who has starred in plays such as *Wen Tianxiang*, *The Long Night (Jiu Geng Tian)*, and *Yue Fei*.

MA Zichen is a historian specialized in the art history of Henan Province and an opera theorist.

## 土山湾美术工艺遗泽——中西近现代美术工艺交流史的萌芽

Heritage of Tou-se-we Arts and Handicrafts:  
the Beginning of China-Western Exchange in  
Arts and Handicrafts in Modern Times

作者：刘丽娴

Author: LIU Lixian

ISBN: 9787302574170

Publication Date: 2021-09-01

Page Count: 216

## About the Book:

本书是西学东渐背景下土山湾美术工艺的专题研究，探讨其萌蘖、发展、辉煌、落寞、消逝的近百年历史进程（1864-1960）。尽管土山湾《道源精萃》、“百塔”、木雕人偶“世间百态”、《中国宫》等精妙之作早已享誉海外，至今却依然在国内鲜为人知。刘丽娴博士长期致力于收集、整理罕见的土山湾文献及影像，还原出一条几乎埋没于历史的中西美术工艺交流之路，也为当代中国非遗文化与设计产业的转型发展，提供了历史的镜鉴。

This book is a special study on the arts and handicrafts of Tou-se-we, exploring its emergence, development, decline and demise, in the context of the Eastward Dissemination of Western learning that lasted nearly 100 years (1864-1960). Although the masterpieces from Tou-se-we, such as The Essence of Christianity (Dao Yuan Jing Cui), the Chinese pagoda collection, the woodcarving dolls named “Hundreds Aspects of Daily Life”, and the Chinese Pavilion, have long been widely appreciated overseas, they remain little known in China. Dr. Liu Lixian, who has long been dedicated to collecting and organizing rare documents, images and videos related to Tou-se-we, has uncovered the almost forgotten history of exchange between China and the West in arts and handicrafts, providing a historical reference for the transformation and development of the non-material culture and the design industry in China today.

## About Author:

刘丽娴，副教授，长期从事中西美术工艺交流史方面的研究。

LIU Lixian is an associate professor, and she has long been engaged in studies on the history of exchange between China and the West in arts and handicrafts.

## 八仙——中国民间传说剪纸图谱

## Paper-cutting Artworks Featuring the Chinese Folklore of the Eight Immortals



作者：蒋耘中 李怀杰 魏成光 主编 于婷 周岳 张歌明 代金喜 于慧妮 张佳 安夙 孙洋  
副主编

Author: (Editor-in-chiefs) JIANG Yunzhong, LI Huaijie, WEI Chengguang;  
(Vice editor-in-chiefs) YU Ting, ZHOU Yue, ZHANG Geming, DAI Jinxi, YU  
Huini, ZHANG Jia, AN Su, SUN Yang.

ISBN: 9787302580508

Publication Date: 2021-06-01

Page Count: 176

## About the Book:

本书收录的作品主要来源于清华大学图书馆与山东艺术学院图书馆收藏的丰富的剪纸实物藏品，从中精选极具民间传统特色的民间神话传说“八仙”主题的剪纸艺术作品作为主体，同时编纂工作组历时一年多走访了山东高密、烟台等地的民间剪纸博物馆、民俗馆及地方剪纸传统手艺人收集补充了一批艺术价值很高的实物剪纸作品，在数量和质量上都有着极高的突破，这为剪纸艺术的欣赏、传承、研究提供了丰厚扎实的第一手文献资料。

The paper-cutting artworks in this book mostly come from the rich paper-cut collections featuring the Chinese folklore of the Eight Immortals with outstanding traditional Chinese folk cultural characteristics, from the libraries of Tsinghua University and Shandong College of Arts. It also includes a number of paper-cutting works with high artistic value that the editor team collected during their visits, spanning over one year, to the folk paper-cutting museums, folklore museums and local paper-cutting craftsmen in Gaomi and Yantai, Shandong Province. This book is a remarkable breakthrough in terms of the quantity and the quality of the paper-cutting works it has collected, providing rich and solid first-hand materials for the appreciation, development and research of the art of paper-cutting.

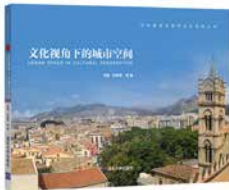
## About Author:

蒋耘中，清华大学任职，主管图书馆特藏资源建设。

JIANG Yunzhong works at Tsinghua University, and he is in charge of building up special collections for the library.

## 文化视角下的城市空间

### Urban Space in Cultural Perspective



作者：刘健、刘佳燕 等

Author: LIU Jian, LIU Jiayan, et al.

ISBN: 9787302567301

Publication Date: 2021-03-01

Page Count: 180

#### About the Book:

本书从东西方不同文化视角，就建筑、规划和景观专业的热点问题探讨，对中外优秀建筑和特色城市进行比较分析，使读者了解和掌握在东西方不同文化背景下，对相关问题的不同认识和理解，建立具有国际视野的学术思想。

This book discusses the hot issues in architecture, planning and landscape professions from different cultural perspectives of the East and the West, and provides a comparative analysis of the outstanding architecture and cities with special characteristics in China and abroad, with the aim to help readers understand and be familiar with the different ideas and opinions on those issues in different cultural contexts in the East and the West, and establish academic thinking with a global perspective.

#### About Author:

刘健，清华大学建筑学院任职。

LIU Jian works at the School of Architecture, Tsinghua University.



## 编木拱桥：技术与社会史

### Woven Timber Arch Bridges: A History of Technology and Society



作者：刘妍

Author: LIU Yan

ISBN: 9787302586746

Publication Date: 2021-09-01

Page Count: 396

#### About the Book:

本书聚焦于“编木拱桥”，一种用木材交织起拱的结构形式、在人类历史上罕见而非凡的桥梁建筑。尽管特异，编木拱桥广泛存在于不同建筑文明、历史时期中，并在各个文化语境中被视为独创或特例。这种“普世的独特性”，使它成为人类文明中的一种奇特的建筑现象。本书将探讨来自不同时间与空间的编木拱桥，讲述它们的故事与历史。上下两篇设计为五个独立的“故事”链环，分别涉及意大利、日本、中国宋代和明清以降的桥梁案例或学术史。

This book gives the spotlight on the woven timber arch bridge, an architectural structure of interwoven timber arches that are rare and extraordinary in human history. Though rare, woven timber arch bridge exists widely in different periods of time and in different cultures, and is considered unique in all cultures. Such “universal uniqueness” makes it a singular type of architecture in human civilization. The book traces the histories and stories of woven timber arch bridges from different cultures and times. The book is composed of five independent stories arranged in two parts that cover examples and the history of academic studies on woven timber arch bridges in Italy, Japan and China during the Song Dynasty and the modern times since the Ming and Qing Dynasties.

#### About Author:

刘妍，执教于高校，建筑历史学者。

LIU Yan is a college lecturer and a scholar in architecture history.

## 中国建筑史——从先秦到晚清

### History of Chinese Architecture: from Pre-Qin Period to Late Qing Dynasty



作者: 王贵祥、贺从容、刘畅

Author: WANG Guixiang, HE Congrong, LIU Chang

ISBN: 9787302600466

Publication Date: 2021-05-18

Page Count:

#### About the Book:

本书即根据同名慕课的讲义整理而成,该课程每年线上选课人数一万多人。本书强调各历史时期的建筑案例和特点,结合近30年相关领域研究成果,主要论述了中国传统木结构体系下的建筑,同时包含城市、砖石结构建筑及传统建筑理论等多方面的内容。本书涵盖了从上古、两汉、魏晋南北朝、隋唐、五代、宋、辽、金、元、明至清代的中国传统建筑。

This book is arranged based on the MOOC course of the same name that attracts more than 10,000 people enrolled online every year. On the basis of the achievements on architecture studies during the last 30 years, this book mainly introduces traditional Chinese wooden architecture, while also covering various other aspects of architecture including cities, stone buildings and traditional architectural theories, with case studies of the buildings and their characteristics in each historical period. It covers traditional Chinese architecture in the entire history of China from the Pre-Qin Period; the two Han Dynasties; the Wei, Jin and the Southern and Northern Dynasties; the Sui and Tang Dynasties; the Five Dynasties; the Song; the Liao; the Jin; the Yuan; the Ming, and finally to the Qing dynasties.

#### About Author:

王贵祥,清华大学教授,长期从事建筑历史与理论的研究与教学工作。

WANG Guixiang is Professor at Tsinghua University, who has long been engaged in the teaching and research on architecture history and theory.

贺从容,清华大学建筑学院副教授,长期从事建筑历史与理论的研究与教学工作。

HE Congrong is Associate Professor at the School of Architecture of Tsinghua University, who has long been engaged in the teaching and research on architecture history and theory.

## 乡村建筑的地区性、民族性及其当代表达

The Regionality and Ethnicity  
of Rural Building and  
Their Contemporary Expression

作者：铁雷

Author: TIE Lei

ISBN: 9787302589129

Publication Date: 2021-09-01

Page Count: 248

## About the Book:

本书将建筑地区性和民族性进行关联性研究，揭示了其内在的统一性，并针对当前城市化和旅游消费观念下乡村建设中建筑民族化和地区化表达的问题，提出了一种基于“物化”理念的设计策略。本书将建筑的民族性与地区性关联起来进行整体性研究；将建筑看做是一种动态的过程；从民族“外部”和“内部”视角同时进行建筑地区性和民族性研究。

This book is a study on the regionality and ethnicity of rural buildings that reveal their inherent unity, and propose a design strategy based on the concept of seeing architecture as physical objects to address the trend of expressing regionality and ethnicity in rural buildings amid the urbanization and the current preference of tourism consumption. The book makes a holistic study by connecting the regionality and ethnicity of architecture, views buildings as a dynamic process and studies the regionality and ethnicity of architecture as both an “outsider” and an “insider” of an ethnic group.

## About Author:

铁雷，高校教师，长期从事地域建筑与民族建筑研究与设计。

TIE Lei is a college lecturer who has long focused on the study and design of buildings with regional and ethnic characteristics.

## 这不是中国建筑史



## Not a History of Chinese Architecture

作者：钱正雄

Author: QIAN Zhengxiong

ISBN: 9787302601012

Publication Date: 2021-09-01

Page Count: 248

### About the Book:

本书以设计师的视角看中国传统建筑文化，专业又有趣，角度独辟蹊径，语言诙谐轻松，能较全面、透彻地说明看似常见而复杂的问题。以普通人的角度解读艺术，用通俗易懂的方式，介绍五十个常见又难以用三言两语解释清楚的与建筑相关的入门知识，使读者通过建筑与汉字、绘画、诗歌、历史等方面关系，了解中国历史与艺术。

This is a professional yet interesting book about traditional Chinese architecture from a designer's unique perspective. The author attempts to interpret art from a non-professional point of view and manages to explain 50 common, basic, yet difficult and complicated concepts of architecture with easy, witty and light-hearted words, in a comprehensive and thorough manner. Through this book, readers will be able to understand Chinese history and art through the relations between architecture and Chinese characters, painting, poetry, and history.

### About Author:

钱正雄，设计师，中国古建筑的爱好者，擅长用最通俗易懂的方式解读中国古建筑。

QIAN Zhengxiong is a designer and an aficionado of Chinese ancient architecture, who excels at explaining Chinese ancient architecture with simple and easy words.

## 青莲朵朵：圆明园的石刻

Stone Carvings of  
the Yuanmingyuan Collection

作者：刘阳

Author: LIU Yang

ISBN: 9787302595243

Publication Date: 2022-01-01

Page Count: 204

## About the Book:

本书系统介绍了圆明园现存御笔石刻，有的在圆明园遗址出土，有的流失在北京城大小院落内，都有较高的研究和收藏价值。这些石刻主要是乾隆、嘉庆、道光三朝皇帝的御笔，大多数常年存放在私人或单位大院内，鲜为人知，拓片更是从来没有公布过。尽管历经岁月沧桑，很多石刻御笔已经风化，字迹模糊不清，却是清代皇家石刻的精品，对研究圆明园流散石刻及清朝皇帝书法艺术有重要的参考作用。

This book presents a systemic introduction of the surviving stone carving of Chinese ancient emperors' calligraphy with high research and collecting value from the Yuanmingyuan (the Old Summer Palace) collection, some unearthed at the Yuanmingyuan site and others scattered over multiple places across Beijing. Most of the stone-carved calligraphy are handwritings of three emperors of the Qing Dynasty, namely Qianlong, Jiaqing and Daoguang. As a majority of the stone carvings have been stored in private residential compounds or in the courtyards of public institutions for years, they are rarely known to the public, neither have their rubbings ever been published. Although much of the calligraphy on the stones is blurred due to weathering through the years, this collection is the finest among the royal stone carvings of the Qing Dynasty, and serves as an important reference for the studies on the scattered stone carvings of Yuanmingyuan and the calligraphy of the Qing emperors.

## About Author:

刘阳，现就职于圆明园，多年来一直从事清代皇家园林研究。

LIU Yang is an employee at Yuanmingyuan, and he has been studying royal gardens of the Qing Dynasty for years.

## 老子散文诗英文对译

## LaoZi's Prose Poetry English Parallel Translation



作者：连小珉、达米安·弗朗西斯·皮尔森、余斐霞

Author: LIAN Xiaomin, Damian Francis Pearson, YU Feixia

ISBN: 9787302603375

Publication Date: 2021-03-31

Page Count: 235

## About the Book:

《老子散文诗英文对译》是对我社出版的《老子散文诗对译》（下称：“中文对译”）的英文对译，即是对“帛书老子”的英文翻译。“中文对译”以它全新的视角和朴素的观点已经得到社会好评，本书的“英文对译”将把“中文对译”的优势继续扩展到不懂中文而懂英文的广大人群。将“中文对译”翻译成“英文对译”有利于扩大这部中华文化经典的影响，使不懂中文的国际人士能够深入了解这部中华经典的内涵，了解东方文化的博大精深。

This book is an English translation of *Rewriting Laozi in Prose Poetry (in Chinese)* published by Tsinghua University Press, and also of the *Mawangdui Laozi. Rewriting Laozi in Prose Poetry* has been well received by Chinese readers with its new perspective and simple viewpoint. The English version is published with the aim to expand the advantage of the Chinese version to a larger group of people, i.e. English speakers who do not know Chinese. This move will help expand the influence of this Chinese cultural classic and enable foreign language speakers to gain a deeper understanding of the ideas embedded in this Chinese classic as well as the profoundness of Eastern culture.

## About Author:

达米安·弗朗西斯·皮尔森，英国乔治五世学院英文系主任，主要研究文学和地理地质学。

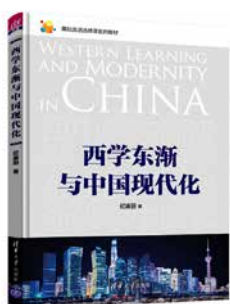
Damian Francis Pearson is Dean of the Department of English at King George V College, whose main research interests are literature and geography/geology.

余斐霞，英国兰开夏中央大学中文系主任，讲授汉语、语言翻译等课程。

YU Feixia is Director of the Confucious Institute at the University of Central Lancashire, and teaches courses of Chinese and translation.

## 西学东渐与中国现代化

### Western Learning and Modernity in China



作者：纪康丽

Author: Ji Kangli

ISBN: 9787302574460

Publication Date: 2021-09-01

Page Count: 264

#### About the Book:

本书共分 14 章，以独特的视角，遵循知识分子思想演变的轨迹，围绕晚清士大夫如何应对西方文明而进行论述，具有系统完整的特点。通过本书的学习，学生不仅能运用英语表达具有中国地域特点的文化，更能通过课堂讨论、短文和论文写作来增强批判性思维能力。

In 14 chapters, this textbook follows the evolution of the scholars' thoughts in the late Qing Dynasty and discusses how they responded to Western civilization, providing a systematic and complete introduction from a unique perspective. Through this book, students will not only be able to express Chinese culture in English, but also enhance their critical thinking skills through class discussions and essay writing.

#### About Author:

纪康丽，清华大学任教，开设演讲艺术、英语语言与文化、西学东渐等多门课程。

Ji Kangli is a lecturer at Tsinghua University, who teaches courses such as the Art of Public Speaking, English Language and Culture, and West Learning.

## 读懂中国：英语读写教程



### Reading China in English: Reading and Writing

作者：王革、李中正、伍怡然、吴于勤、夏芬、王丽虹  
Author: WANG Ge, LI Zhongzheng, WU Yiran, WU Yuqin,  
XIA Fen, WANG Lihong  
ISBN: 9787302583240  
Publication Date: 2021-08-01  
Page Count: 172

#### About the Book:

本书共设8个单元，分别围绕教育全球化、跨文化交流、中国生态、中国美食、中国教育、中国家庭、中国电影、中国网红等主题展开。每单元精选3篇文章，以单元主题为主线，让学生通过阅读思辨、书面表达和项目实施等多样化练习，培养其中国题材英语材料的翻译能力和中国元素的英语表达能力。附录部分还提供了练习答案、各单元Text A和Text B的参考译文。

The book is arranged in eight units that focus on globalization of education, cross-cultural exchange, Chinese ecology, Chinese food, Chinese education, Chinese family, Chinese movies, and Chinese influencers respectively. Each unit is composed of three selected articles surrounding the central theme and various exercises on, such as critical reading, essay writing and project implementation, so as to help students develop skills in translating English materials on China-related topics and expressing China-related concepts in English. The appendix provides answers to the exercises and translations of the Text A and B of each unit.

#### About Author:

王革，教授。

WANG Ge is a college professor.



## 英语品中国：科技篇

Read about China in English:  
Technology

作者：张钊炜、赵欣、袁方、王姗姗、郝劲梅、李俊、沈炳坤  
Author: ZHANG Fangwei, ZHAO Xin, YUAN Fang, WANG Shanshan, HAO Jingmei, LI Jun, SHEN Bingkun  
ISBN: 9787302593232  
Publication Date: 2021-11-01  
Page Count: 208

## About the Book:

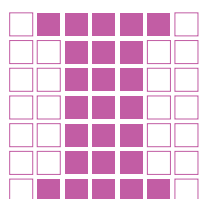
本教材精选语言地道、紧跟时代的英语文章，向学生展示中国科技故事的多彩画卷。教材紧扣时事热点，围绕科技创新，探讨5G发展、中国创造、电子支付、在线教育、中医科学、建筑设计、知识共享、社交媒体等话题，在呈现中国科技盛宴的同时，突出科技背后的中国精神。

Read about China in English: Technology is a textbook that presents students with a colorful picture of China's technology through authentic and up-to-date English articles. Following the latest trending topics of technological innovation, such as 5G development, "created in China", e-payment, online education, Chinese medical science, architectural design, knowledge sharing, and social media, the textbook not only presents a feast of Chinese technology but also highlights the underlying Chinese spirit.

## About Author:

张钊炜，副教授，北京高校青年教学名师。

ZHANG Fangwei is Associate Professor and is awarded "Young Star College Teacher" by Beijing Municipal Government.



# 信息技术

## Information Technology

## 人工智能(高中版)

### Artificial Intelligence for High School Students



作者: 姚期智

Author: Andrew Chi-Chih Yao

ISBN: 9787302563754

Publication Date: 2021-05-01

Page Count: 204

#### About the Book:

本书选取人工智能的8个核心方向,精心选择不同章节的关键知识点。力求在保证教学内容易于接受的同时,与后续高等教育的人工智能教育无缝衔接。同时,书中的每一章均配备作业题与编程练习,让同学们在练习当中加深对算法与原理的理解。

This book carefully selects the key knowledge in 8 core aspects of artificial intelligence (AI) with the aim to ensure that the content is easy enough for high school students but also articulates with the subsequent AI courses in higher education institutions. Each chapter contains exercises, for example, of programming, which allows students to deepen their understanding of the algorithms and principles.

#### About Author:

姚期智,图灵奖得主、院士、清华大学交叉信息研究院院长、教授。

Andrew Chi-Chih Yao is a Turing Award winner, academician of the Chinese Academy of Sciences, Dean and Professor of the Institute for Interdisciplinary Information Sciences of Tsinghua University.

## 人工智能伦理

### Ethics of Artificial Intelligence



作者: 于江生

Author: YU Jiangsheng

ISBN: 9787302596622

Publication Date: 2022-01-01

Page Count: 504

#### About the Book:

人工智能（AI）时代已悄然而至，然而对AI伦理学的研究却刚刚起步。与以往的技术革命不同，AI有望在多个领域取代人类，但也有伤害人类的潜在风险。为防止对AI技术的滥用，我们在复杂性变得不可控之前，必须把最糟糕的情况都预想到、分析到。本书从人工智能的关键内容（包括图灵测试、数据、知识、机器学习、自我意识等）出发，用朴素的语言讲述复杂的概念，揭示各种AI伦理问题。本书基于大量真实数据，阐述了和平、合理发展AI技术的伦理思想，对AI技术可能引发的某些社会问题（如技术失业、两性平等）也做了剖析。

The era of artificial intelligence (AI) has arrived unannounced, yet the study of AI ethics is just taking its first steps. Unlike previous technological revolutions, AI is expected to replace humans in a number of areas, but also carries the potential risk of harming them. To prevent abuse of AI technologies, we must anticipate and analyze the worst-case scenarios before the complexity becomes unmanageable. This book talks about complex concepts, including the key components of AI (the Turing test, data, knowledge, machine learning, and self-awareness, etc.), and reveals various problems concerning AI ethics in plain language. Based on a wealth of real data, the book conveys an ethical idea of peaceful and rational development of AI technology, and analyzes a number of social concerns (such as technological unemployment and gender inequality) that AI technology may trigger.

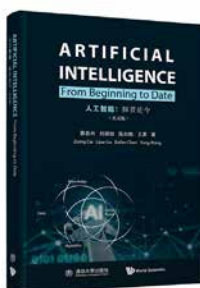
#### About Author:

于江生，博士，主要研究方向是人工智能、生物信息学等。

YU Jiangsheng, Ph.D. His main research interests are artificial intelligence and bioinformatics.

## 人工智能：探昔论今(英文版)

### Artificial Intelligence: from Beginning to Date (English version)



作者：蔡自兴、刘丽珏、陈白帆、王勇

Author: CAI Zixing, LIU Lijue, CHEN Baifan, WANG Yong

ISBN: 9787302590972

Publication Date: 2021-10-01

Page Count: 576

#### About the Book:

本书涵盖了人工智能十分广泛的主题，具有三个明显特色。首先，该书系统全面，既包括“传统”人工智能的基础理论与技术，又涉及y的基本原理与方法，包含知识表示与推理、计算智能、专家系统、机器学习、智能规划、分布式智能和自然语言理解等。其次，该书内容比较新颖，用相当多的篇幅介绍了人工智能的先进研究方法，特别是一些新技术和交叉技术的应用。再次，该书理论与实践高度融合，既有理论的阐述，又有应用实例的介绍，有助于读者深入理解人工智能理论方法及其应用开发。

This book, covering extensive topics in artificial intelligence (AI), has three distinctive features. First, it is a systematic and comprehensive work that covers both the fundamental theories and techniques of “traditional” AI as well as the basic principles and methods of computational intelligence, including knowledge representation and reasoning, computational intelligence, expert systems, machine learning, intelligent planning, distributed intelligence, and natural language understanding. Second, the book is up-to-date, with a considerably large part devoted to the introduction of advanced research methods of artificial intelligence, especially the application of some new and cross-cutting technologies. Third, the book integrates theories and practices, with both theoretical exposition and application examples, which helps readers form a deeper understanding of the theoretical methods, application and development of AI.

#### About Author:

蔡自兴，教授，曾任中国人工智能学会副理事长。

CAI Zixing is a college professor, and was Secretary General of Chinese Association for Artificial Intelligence.

## 非冯诺依曼网络计算体系

### Principles and Practice on Non-von Neumann Architecture for Network Computing



作者：沈寓实、高汉中 等

Author: SHEN Yushi, GAO Hanzhong, et al.

ISBN: 9787302567950

Publication Date: 2021-03-01

Page Count: 512

#### About the Book:

本书剖析了计算机、互联网、移动通信三大体系的内在联系、现实瓶颈和发展趋势，创造性地提出一整套重构计算和网络核心技术的理论体系。该体系的核心是扬弃传统冯诺依曼结构和互联网基础协议，以新一代异构网络计算架构实现计算、通信、存储的融合，建立人工智能时代的网络计算通用平台，智能分配带宽和计算资源。本书还指出了一条完整清晰的技术路线，包括从软硬件结合的计算架构入手、到大规模数据中心的改造，从小规模边缘节点间的融合计算、到最后实现全网统一。

This book analyzes the interconnections, bottlenecks and development trends of the three major systems, namely the computer, Internet and mobile communication systems, and creatively proposes a theoretical system for restructuring the core computing and network technologies. The core of this system lies in the abandonment of the traditional von Neumann structure and basic Internet protocols, in order to realize the integration of computing, communication and storage with a new generation of heterogeneous network computing architecture, establish a common platform for network computing in the era of artificial intelligence, and allocate bandwidth and computing resources in an intelligent way. The book also points out a complete and clear technical route, starting from a combined hardware and software computing architecture, to the transformation of large-scale data centers, to the convergence of computing among small-scale edge nodes, and finally to the unification of the whole network.

#### About Author:

沈寓实，教授，国家级特聘专家，自然科学研究员，在ICT领域有20年以上的科研和管理经验。

SHEN Yushi is a professor, a national special expert and a natural science researcher with more than 20 years of research and management experience in ICT.

## 强化学习（微课版）

## Reinforcement Learning (Online-Course Version)



作者：袁莎、白朔天、唐杰

Author: YUAN Sha, BAI Shutian, TANG Jie

ISBN: 9787302587941

Publication Date: 2021-10-01

Page Count: 300

## About the Book:

本书深入浅出地介绍了强化学习算法的基本原理和实现方法。本书首先回顾了相关预备知识，包括数学基础和机器学习基础，然后先介绍强化学习的基本概念，给出强化学习的数学框架（马尔可夫决策过程），随后介绍强化学习的求解算法，包括表格求解法（动态规划法、蒙特卡洛法和时序差分法），以及近似求解法（值函数近似法、策略梯度法和深度强化学习）。本书最后一部分为实践与前沿，实践部分基于一个相同的例子实现了强化学习领域的主流基础算法，前沿部分介绍了强化学习领域的研究进展。

This book provides an in-depth introduction in simple words to the fundamentals and implementation of reinforcement learning algorithms. It opens with a review of the relevant preparatory knowledge, including the fundamentals of mathematics and machine learning, then introduces the basic concepts of reinforcement learning, the mathematical framework of reinforcement learning (Markov decision process), and solution algorithms of reinforcement learning, including tableau methods (dynamic programming, Monte Carlo, and temporal difference methods), and approximate methods (value function approximation, policy gradient method, and deep reinforcement learning). The last chapter of the book is devoted to practice and frontiers, in which mainstream basic algorithms in reinforcement learning are implemented on one same example in the practice part, while the frontiers part offers an introduction of the research progress in reinforcement learning.

## About Author:

袁莎，清华大学博士后。

YUAN Sha is a Postdoctoral Fellow at Tsinghua University.

唐杰，IEEE Fellow，清华大学教授，研究人工智能、认知图谱等。

TANG Jie is a IEEE Fellow and Professor at Tsinghua University. His main research fields are artificial intelligence and cognitive mapping.

## 机器人学（第四版）

### Robotics (Fourth Edition)



作者：蔡自兴、谢斌

Author: CAI Zixing, XIE Bin

ISBN: 9787302598220

Publication Date: 2022-03-01

Page Count: 372

#### About the Book:

本书介绍机器人学的基本原理、关键技术及其应用。全书共12章，涉及机器人学的起源、发展、定义、特点、结构与分类，机器人学的数理基础、运动学、动力学与控制（包括位置控制、力控制和高级智能控制），机器人传感器、高层规划、轨迹规划和程序设计，以及机器人的应用和机器人学的展望等内容。全书与时俱进，全面反映国内外机器人学的进展，是一部高水平的机器人学专著。

This book is an introduction of the basic principles, key technologies and applications of robotics. It contains 12 chapters, covering the origin, development, definition, characteristics, structure and classification of robotics; the mathematical and physical fundamentals, kinematics, dynamics and control (including position control, force control and advanced intelligent control) of robotics; the sensors, high-level planning, trajectory planning and programming of robots; as well as the applications and the outlook of robotics. The book is a high-level, up-to-date and all-round monograph on robotics that presents the latest progress at home and abroad.

#### About Author:

蔡自兴，国际IEEE院士，中南大学教授，中国人工智能、机器人学等学科的学术带头人之一。

CAI Zixing is an IEEE Fellow, Professor at Central South University, and one of the academic leaders in the subjects including artificial intelligence and robotics in China.



## 面向共融机器人的自然交互——人机对话意图理解

### Natural Interaction of Tri-Co Robots: Intent Recognition in Human-Robot Conversation



作者: 徐华

Author: XU Hua

ISBN: 9787302601104

Publication Date: 2022-04-01

Page Count: 148

#### About the Book:

共融机器人是能够与作业环境、人和其他机器人自然交互、自主适应复杂动态环境并协同作业的机器人。“敏锐体贴型”的自然交互是共融服务机器人的研究热点问题之一。当前迫切需要机器人与人具有交互对话意图的理解能力。本书立足基于深度学习方法的人机理解领域，从人机对话意图理解出发，系统介绍了人机对话中的意图识别、未知意图检测和新意图发现的方法。

Coexisting-Cooperative-Cognitive Robots, or Tri-Co Robots, are those that can naturally interact and collaborate with the working environment, humans and other robots, and adapt to complex dynamic environments in an autonomous manner. The “sensitive and considerate” natural interaction is one of the hot issues in the research of Tri-Co Robots. There is an urgent need for robots to have the ability to understand the intention of interaction and dialogue with humans. This book introduces the methods of intent recognition, unknown intent detection and new intent discovery in human-robot conversation based on deep learning methods.

#### About Author:

徐华，清华大学副教授，主要从事智能机器人相关的研究工作。

XU Hua is Associate Professor at Tsinghua University, who mainly focuses on research of intelligent robots.

## 序列密码分析方法

### Cryptanalysis Techniques for Sequence Ciphers



作者: 冯登国

Author: FENG Dengguo

ISBN: 9787302575702

Publication Date: 2021-10-01

Page Count: 296

#### About the Book:

本书系统地介绍了序列密码的典型分析方法。全书共8章, 主要内容包括时间存储数据折中分析方法、相关分析方法、线性分析方法、代数分析方法、猜测确定分析方法、侧信道分析方法和和其他分析方法。本书可作为从事网络空间安全、信息安全和密码学研究的科研人员, 以及网络空间安全、信息安全和密码学专业的研究生教科书或参考资料。

This book systematically introduces the typical cryptanalysis techniques of sequence ciphers in 8 chapters, including cryptanalytic time-memory tradeoffs, correlation cryptanalysis, linear cryptanalysis, algebraic cryptanalysis, guess and determine cryptanalysis, and side channel cryptanalysis. This book can be used as a textbook or reference material for researchers or graduate students of cyberspace security, information security and cryptography.

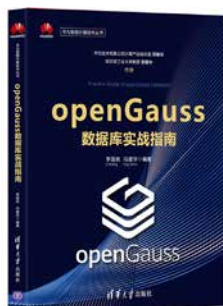
#### About Author:

冯登国, 中国科学院院士, 长期从事网络与信息安全研究工作。

FENG Dengguo is an academican of the Chinese Academy of Sciences, who has long been engaged in research of network and information security.

## openGauss数据库实战指南

## Practice Guide of openGauss Database



作者: 李国良、冯建华

Author: LI Guoliang, FENG Jianhua

ISBN: 9787302589891

Publication Date: 2021-10-01

Page Count: 320

## About the Book:

本书结合openGauss数据库原理,讲述openGauss数据库实战相关内容,并设计多种实验帮助用户理解并使用openGauss数据库。本书首先介绍数据库的基本概念、安装部署、开发调试,并设计实验帮助用户熟悉这一系列操作。接着介绍数据库设计、查询优化、维护、数据库备份与恢复及导入与导出、存储引擎、事务控制和数据库安全等。本书理论与实践并重,读者通过阅读本书并进行实践,可以较好地掌握openGauss数据库。

This book is a practice guide about openGauss database with theoretical explanations and a variety of exercises to help users understand and use openGauss database. The book opens with an introduction of the basic concepts of database, its installation, deployment, development and debugging, with a number of exercises to help users get familiar with the operations. Then it explains the design of database; query optimization; maintenance; data backup, recovery, import and export; storage engine; transaction control; and database security. This book, integrating both theories and practice, will allow readers better master openGauss database through reading and practicing.

## About Author:

李国良,清华大学教授,系副主任。

LI Guoliang is Vice Dean and Professor at Tsinghua University.

冯建华,清华大学教授,计算机科学与技术科研人员。

FENG Jianhua is Professor at Tsinghua University, and researcher of computer science and technology.

## 全光传送网架构与技术

# Architecture and Technology of All-Optical Transmission Network



作者：胡卫生，谭晶鑫

Author: HU Weisheng, TAN Jingxin

ISBN: 9787302600268

Publication Date: 2022-04-01

Page Count: 256

### About the Book:

本书全面介绍光传送网的演进过程、光传送网技术基础、组网架构和方案、热点技术及应用实践等，着重解读全光传送网涉及的OXC、OSU、Super C、光电协同等技术方案，同时对光传送网数据加密技术进行简要分析。全书共8章。第1章着重介绍光传送网发展历程；第2章介绍光传送系统；第3、4章主要介绍骨干网组网架构和方案；第5章主要介绍光传送网热点技术；第6章主要介绍光传送网的应用实践；第7章主要介绍光纤数据传输面临的安全风险和相关的应对技术；第8章主要介绍未来光传送技术的展望。

This book provides a comprehensive introduction of the evolution of optical transmission network, its technical foundations, architecture and system, trending technologies as well as applications. It gives a special focus on the technical systems in all-optical transmission network, such as OXC, OSU, Super C, and optoelectronic structures, and also provides a brief analysis of data encryption technology for optical transmission network. The book consists of 8 chapters. Chapter 1 focuses on the development of optical transmission network. Chapter 2 introduces the optical transmission system. Chapters 3 and 4 mainly explain the backbone network architecture and systems. Chapter 5 introduces the trending technologies of optical transmission network. Chapter 6 introduces the application of optical transmission network. Chapter 7 introduces the security risks faced by fiber optic data transmission and technologies to counteract the risks. Finally, the Chapter 8 provides an outlook of future optical transmission technology.

### About Author:

胡卫生，上海交通大学教授，某国家重点实验室主任。

HU Weisheng is Professor at Shanghai Jiao Tong University and Director of a State Key Laboratory.

谭晶鑫，华为光传送技术专家，致力于光传送领域产品开发与研究。

TAN Jingxin is an expert in optical transmission technology in Huawei, dedicated to product development and research in the field of optical transmission.

## 全光园区网络架构与实现

# Architecture and Implementation of All-Optical Campus Network



作者：李霆、张军、万席锋

Author: LI Ting, ZHANG Jun, WAN Xifeng

ISBN: 9787302597391

Publication Date: 2022-03-01

Page Count: 216

### About the Book:

第五代固定网络（the Fifth Generation Fixed Networks）全光园区是一个创新的园区网络解决方案，其关键创新点就是采用POL（Passive Optical LAN）技术。本书系统论述了基于POL技术的无源全光园区网络的架构、关键技术、网络规划设计及应用实践等。全书共10章。第1~4章为无源全光园区网络基本概念介绍；第5~7章主要介绍无源全光园区网络的规划原则、产品选型原则；第8章主要介绍无源全光园区网络的应用实践；第9章介绍无源全光园区网络部件使用情况；第10章主要介绍无源全光园区网络的未来展望。

The Fifth Generation Fixed Networks all-optical campus is an innovative campus network solution whose key innovation lies in the use of POL (Passive Optical LAN) technology. This book systematically discusses the architecture, key technologies, network planning, design, and application of passive all-optical campus network based on POL technology. There are 10 chapters in the book. Chapters 1 to 4 introduce the basic concept of passive all-optical campus network. Chapters 5 to 7 mainly explain the planning principles of passive all-optical campus network, product selection principles. Chapter 8 focuses on the application of passive all-optical campus network. Chapter 9 introduces the use of passive all-optical campus network components, and Chapter 10 provides an outlook of passive all-optical campus network.

### About Author:

李霆，高级工程师、中国工程勘察设计大师。

LI Ting is a senior engineer and a national engineering survey and design master.

张军，ONA绿色全光网络技术联盟首席架构师，华为光产品线政企接入首席架构师。

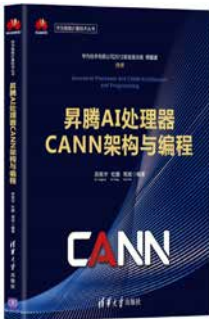
ZHANG Jun is Chief Architect of ONA Green All-Optical Network Technology Alliance, and Chief Architect of Government-Enterprise Access for Huawei Optical Product Line.

万席锋，华为技术有限公司高级技术专家，从事光网络产品设计20余年。

WAN Xifeng is a senior technical expert of Huawei Technologies Co., Ltd., who has been engaged in the design of optical network products and solution systems for more than 20 years.

## 昇腾AI处理器CANN架构与编程

### Ascend AI Processor and CANN Architecture and Programming



作者：苏统华、杜鹏、周斌

Author: SU Tonghua, DU Peng, ZHOU Bin

ISBN: 9787302601043

Publication Date: 2022-04-01

Page Count: 348

#### About the Book:

本书专注昇腾AI处理器和昇腾AI异构计算架构CANN，全书共7章。第1章介绍昇腾AI处理器硬架构。第2章介绍昇腾AI异构计算架构CANN。第3章介绍CANN自定义算子开发，以示例的方式介绍TBEDSL、TBETIK和AICPU三种算子开发方式。第4章介绍昇腾计算语言。第5章介绍基于CANN的通用AI模型训练方法。第6章介绍基于CANN的模型部署方法。第7章介绍两个典型行业应用实例。本书是昇腾AI处理器架构、昇腾AI异构计算架构与编程的官方教材。

This book focuses on Ascend AI processor and Ascend AI heterogeneous computing architecture CANN. It is arranged in 7 chapters. Chapter 1 is an introduction to the hard architecture of the Ascend AI processor, and Chapter 2, to CANN, a heterogeneous computing architecture for the Ascend AI. Chapter 3 explains CANN custom operator development, with examples of TBEDSL, TBETIK and AICPU. Chapter 4 introduces the Ascend Computing Language. Chapter 5 and 6 focus on, respectively, the CANN-based generic AI model training method, and the CANN-based model deployment method. And finally, Chapter 7 introduces two typical industrial application examples. This book is the official textbook of the Ascend AI processor architecture, and the Ascend AI heterogeneous computing architecture and programming.

#### About Author:

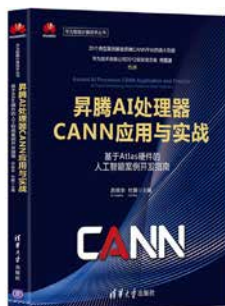
苏统华，博士、副教授，主要研究方向为模式识别、深度学习等。

SU Tonghua is an associate professor, and his main research interests are pattern recognition and deep learning.

杜鹏，华为海思昇腾CANN技术专家，主要研究方向为异构计算、计算机图形学等。

DU Peng is a Ascend CANN technical expert at Huawei, whose main research interests are heterogeneous computing and computer graphics.

## 昇腾AI处理器CANN应用与实战——基于Atlas硬件的人工智能案例开发指南

Ascend AI Processor and CANN  
Architecture and Practice: AI Cases  
Developing Guide Based on Atlas Hardware

作者：苏统华，杜鹏

Author: SU Tonghua, DU Peng

ISBN: 9787302577287

Publication Date: 2021-09-01

Page Count: 316

## About the Book:

本书是《昇腾AI处理器架构与编程》的续篇，专注于昇腾AI处理器的革命性边缘计算SoC芯片，基于Atlas开发者套件或Atlas推理卡建设应用生态。全书共20章，重点剖析若干重要领域的典型案例，内容涵盖图像分割、图像生成、图像处理、模式分类、目标检测、智能机器人和序列模式分析等。每章自成体系，较为完整地给出了案例系统的应用动机、系统架构和执行流程的设计方案，并结合代码剖析案例系统的实现过程和实际测试结果，能够帮助读者快速把昇腾AI处理器用于解决实际问题。

This book, a sequel to Ascend AI Processor Architecture and Programming, focuses on the revolutionary edge computing SoC chip of Ascend AI processor, and the building of an application ecosystem based on Atlas Developer Kit or Atlas Inference Card. The book consists of 20 chapters that cover image segmentation, image generation, image processing, pattern classification, target detection, intelligent robotics, and sequence pattern analysis, with multiple typical case studies in several important fields. Each self-contained chapter gives a complete design plan of the application motivation, system architecture and execution process of the systems in the case studies, and analyzes the implementation process and actual test results of the systems based on the codes. In this way, the book enables readers to implement the Ascend AI processor to solve actual problems.

## About Author:

苏统华，副教授，主要研究方向为模式识别、深度学习。SU Tonghua, is Associate SU Tonghua, is an associate professor, and his main research interests are pattern recognition and deep learning.

杜鹏，博士，华为技术专家，主要研究方向为异构计算、计算机图形学等。

DU Peng, is a technical expert at Huawei, whose main research interests are heterogeneous computing and computer graphics.

## 群智感知计算

## Crowd Sensing and Computing



作者：於志文、郭斌、王亮

Author: YU Zhiwen, GUO Bin, WANG Liang

ISBN: 9787302583523

Publication Date: 2021-10-01

Page Count: 256

### About the Book:

随着物联网和移动互联网技术的发展，“群智感知计算”作为一种新的感知模式应运而生。区别于传统的传感网感知方式，群智感知计算利用广泛且自然分布的持有智能设备的用户作为移动感知单元，通过群体的广泛参与、灵活移动、机会连接实现大规模、无处不在的感知过程，目前已成为物联网、移动计算等领域的学科前沿与研究热点。本书针对群智感知计算的基本概念、体系架构、任务优化分配、数据优选、质量评估、数据移交、计算平台及典型应用等进行深入的探讨。

With the development of IoT and mobile Internet technologies, “crowd sensing and computing” has emerged as a new paradigm of sensing. Unlike the traditional sensing method of sensor networks, crowd sensing and computing uses widely and naturally distributed users with smart devices as mobile sensing units to realize a large-scale and ubiquitous sensing process through extensive participation, flexible mobility, and opportunistic connectivity. It has become a frontier and a topic that attracts wide attention in the research of IoT and mobile computing, etc. This book addresses the basic concepts, architecture, task optimization allocation, data preference, quality assessment, data handover, computing platform and typical applications of crowd sensing and computing.

### About Author:

於志文，教授，某重点实验室主任。

YU Zhiwen is a professor, and Director of a Key Laboratory.



## 边缘计算安全

## Edge Computing Security



常瑞 谢耀滨 申文博 苗新亮 周亚金

Author: CHANG Rui, XIE Yaobin, SHEN Wenbo, MIAO Xinliang, ZHOU Yajin

ISBN: 9787302591849

Publication Date: 2022-02-01

Page Count: 300

## About the Book:

本书是一本探讨边缘计算安全的教材。全书分为三篇：上篇从边缘计算安全概述、边缘计算架构、边缘计算的实例开发应用等多方面对边缘计算安全涉及的基础理论和计算平台进行阐述；中篇重点阐述了边缘设备的安全技术，深入分析了边缘设备安全体系架构、边缘设备新型架构下的安全技术，以及边缘设备内核安全技术，总结梳理了边缘计算方向的关键安全问题和已有的研究成果；下篇对边缘计算系统的攻防技术进行了讨论，从攻击的视角重点剖析了边缘计算的安全威胁模型和安全分析方法。

This book is a textbook that explores the security of edge computing. It is arranged into three parts. Part I introduces the basic theories and the computing platforms of edge computing security, for example, the overview of edge computing security, edge computing architecture, and cases of edge computing development and application. Part II focuses on the technology that ensures security of edge devices, with in-depth analysis on the secure architecture of edge devices, the security technology for edge devices under the new architecture, and the security technology for the kernel of edge devices. This part also summarizes the key security issues and existing researches related to edge computing. Part III discusses the offensive and defensive technology of edge computing systems, and analyzes the security threat model and security analysis methods of edge computing from the perspective of attacks.

## About Author:

常瑞，浙江大学副教授、博士生导师。研究方向围绕嵌入式系统安全、边缘计算安全等。

CHANG Rui is Associate Professor and Doctoral Supervisor at Zhejiang University. His research interests include embedded system security, edge computing security, etc.

## 策略三十六计和算法三十六计

### 36 Stratagems of Schemes and 36 Stratagems of Algorithms



作者: 林闯

Author: LIN Chuang

ISBN: 9787302577270

Publication Date: 2021-05-01

Page Count: 220

#### About the Book:

本书给出了计算机系统设计策略三十六计和算法三十六计的研究成果,提出了计算机学科的四种基本的对立统一关系,即四个基本科学问题,包括集分定位、刚柔相摩、供需相应和串并转换。从集分定位出发,在策略三十六计中提出了架构设计十八计,包括时空转换和多种计算模式的计策;从刚柔相摩出发,在策略三十六计中提出了系统特性十八计,包括八类特性设计的计策,例如,可控性、效率性、安全性和可变性等方面的计策。供需相应和串并转换所涉及的科学问题主要体现在资源管理和任务调度的算法三十六计。

This book presents 36 stratagems of schemes and 36 stratagems of algorithms for computer system design, and proposes 4 basic relations of unity of opposites in computer science, which include: the positioning of centralization and decentralization, the interaction of hardness and softness, the balance between supply and demand and the conversion from series to parallel connection. Starting from the positioning of centralization and decentralization, the book puts forth 18 stratagems for architecture design out of the 36 stratagems of schemes, which include the stratagems of time-space transformation and various computing modes. In terms of the interaction of hardness and softness, the book proposes another 18 stratagems for system features, including the stratagems for designing eight kinds of features of computer system, such as controllability, efficiency, security and variability. The scientific problems related to the balance between supply and demand and the conversion from series to parallel connection are mainly embodied in the 36 stratagems of algorithms for resource management and task scheduling.

#### About Author:

林闯, 清华大学教授。

LIN Chuang is Professor at Tsinghua University.

## 复杂环境下语音信号处理的深度学习方法

## Deep Learning Methods for Speech Signal Processing in Complex Environment



作者：张晓雷

Author: ZHANG Xiaolei

ISBN: 9787302590002

Publication Date: 2022-01-01

Page Count: 256

## About the Book:

语音降噪处理是信号处理的重要分支领域。本书系统总结语音降噪处理的深度学习方法，尽可能涵盖该方法的前沿进展。全书共分8章。第1章是绪论；第2章介绍深度学习的基础知识和常见的深度网络模型；第3~6章集中介绍基于深度学习的语音降噪处理前端算法，其中，第3章介绍语音检测，第4章介绍单通道语音增强，第5章介绍多通道语音增强，第6章介绍多说话人语音分离；第7章和第8章分别介绍基于深度学习的语音降噪处理在声纹识别和语音识别方面的应用。

Noise reduction is an important subfield of speech signal processing. This book sums up the deep learning methods for noise reduction in speech processing, and covers the frontier progress of the methods as much as possible in 8 chapters. After the overall introduction in Chapter 1, Chapter 2 begins to introduce the basics of deep learning and common deep network models. Chapters 3-6 focus on the front-end algorithms based on deep learning for noise reduction in speech processing. To be more specific, Chapter 3 introduces speech detection; Chapter 4, single-channel speech enhancement; Chapter 5, multi-channel speech enhancement; and Chapter 6, multi-speaker speech separation. Chapters 7 and 8 introduce the applications of the deep learning-based noise reduction methods in vocal recognition and speech recognition, respectively.

## About Author:

张晓雷，西北工业大学教授，从事声信号与语音处理、机器学习、人工智能的研究工作。

ZHANG Xiaolei is Professor at Northwestern Polytechnic University. He is engaged in research on acoustic signal and speech processing, machine learning, and artificial intelligence.

## 详解FPGA：人工智能时代的驱动引擎



## An In-depth Introduction of FPGA—the Engine in the AI Era

作者：石侃

Author: SHI Kan

ISBN: 9787302576020

Publication Date: 2021-04-01

Page Count: 212

### About the Book:

FPGA（现场可编程门阵列）是一款特殊的半导体器件，它在制造出来后仍然能够被任意修改电路结构，以适应不同应用的需要。相比于其他种类的芯片，FPGA具有极强的灵活性，同时在性能、功耗和开发成本等方面达到了出色的平衡。本书详细梳理和分析了FPGA在大数据和人工智能时代的新技术、开发的新方法，以及FPGA在异构计算时代的新趋势和新方向，并重点讨论了FPGA的主要技术特点。

A Field Programmable Gate Array (FPGA) is a special semiconductor device whose circuit structure can still be configured to adapt to different applications after manufacturing. Compared with other types of chips, FPGAs are extremely flexible while achieving an excellent balance of performance, power consumption and development cost. This book reviews and analyzes in detail the new technologies and new methods of FPGA development in the era of big data and artificial intelligence, as well as the new trends and directions of FPGAs in the era of heterogeneous computing. It also discusses the main technical features of FPGAs.

### About Author:

石侃，英特尔公司FPGA研发工程师，兼任英特尔研究院的研究科学家。

SHI Kan is FPGA Design Engineer at Intel Corporation and research scientist at Intel Labs.

## 光量子存储



## Photonic Memory

作者：徐端颐

Author: XU Duanyi

ISBN: 9787302550075

Publication Date: 2021-12-01

Page Count: 712

## About the Book:

光量子存储基于光子与介质之间的物理、化学反应，试验证明，许多物质的原子发出光子在与其它物质的原子之间相互作用时，可得到多种稳定的和可逆状态，而且这些转换的过程已可以用能量密度矩阵运动方程来量化描述。本书在收集整理迄今为止此领域已取得的主要研究成果的基础上，对光子用于信息存储的必要性、可能性和存在的主要问题比较全面和系统的探讨和介绍。

Photonic memory is realized based on physical and chemical reactions between photons and media. It has been proved by experiments that stable and reversible states can be obtained in the interaction between photons emitted from the atoms of a number of matter and the atoms of other matter, and the process of these transitions can be described quantitatively using the energy density matrix equation of motion. Based on the main research results achieved so far in this field, this book provides a comprehensive and systematic discussion and introduction of the necessity, possibility and main problems of using photons for information storage.

## About Author:

徐端颐，清华大学教授，长期从事光信息存储及光学微加工技术的研究。

XU Duanyi is Professor at Tsinghua University and has long been engaged in the research of optical information storage and optical microfabrication technology.

## 非曼哈顿结构下超大规模集成电路布线理论与算法

### Theory and Algorithm for Very Large Scale Integration Routing in Non-Manhattan Architecture



作者：刘耿耿、黄兴、郭文忠

Author: LIU Genggen, HUANG Xing, GUO Wenzhong

ISBN: 9787302599449

Publication Date: 2022-04-01

Page Count: 348

#### About the Book:

本书系统讨论了非曼哈顿结构下超大规模集成电路布线设计的理论与算法，介绍了超大规模集成电路相关定义、研究现状，并提出了对未来研究方向的展望，侧重于介绍非曼哈顿结构Steiner树布线算法的构建，其中布线树考虑包括线长驱动、时延驱动、单层绕障、多层绕障、Slew约束等因素，设计了包括混合转换、多阶段转换、预处理、局部处理、基于整数线性规划和划分等诸多有效策略，从而构造多种高效的非曼哈顿结构下的布线器。本书还介绍了应用于超大规模集成电路布线问题的群智能技术。

This book systematically discusses the theory and algorithm for very large scale integration routing in non-Manhattan architecture, introduces the definition and current research progress related to very large scale integration, and presents an outlook on future research directions. It highlights the building of algorithms for Steiner tree, a non-Manhattan architecture. Taking into account the factors including wire length, timing, single-layer obstacle avoiding, multi-layer obstacle avoiding, and Slew constraints, the book proposes many effective strategies including hybrid transformation, multi-stage transformation, preprocessing, local processing, integer linear programming and partitioning to construct a variety of efficient routers in non-Manhattan architecture. This book also introduces swarm intelligence techniques for the very large scale integration routing.

#### About Author:

刘耿耿，副教授，主要从事计算智能及其应用、集成电路设计算法、机器学习等方面的研究。

LIU Genggen is an associate professor mainly engaged in research on computational intelligence and its applications, integrated circuit design algorithms, and machine learning.

## 众核处理器—原理、设计与优化

### Many-Core Processor—Principle, Design and Optimization



作者：李兆麟、王明羽、魏少军

Author: LI Zhaolin, WANG Mingyu, WEI Shaojun

ISBN: 9787302567462

Publication Date: 2021-02-01

Page Count: 144

#### About the Book:

本书着重介绍众核处理器，重点关注架构优化、存储优化、运算资源优化、通信优化以及能耗与温度优化等方面的关键技术。从计算、存储、通信三方面介绍众核处理器架构的设计与优化技术，基于存储机制、存储层次结构、共享和私有Cache以及片上网络通信机制等多方面详细介绍瓷片众核处理器架构，并提供瓷片众核处理器架构的优化方案。

This book focuses on the introduction of many-core processors, and the key techniques for optimizing their architecture, storage, computing resource, communication, energy consumption and temperature. It introduces the design and optimization techniques of the architecture of many-core processors from three aspects: computing, storage, and communication; provides a detailed introduction to the architecture of ceramic many-core processors from multiple dimensions including the storage mechanism, storage hierarchy, shared and private Cache, and network-on-chip communication mechanism; and offers optimization solutions for the architecture of ceramic many-core processors.

#### About Author:

李兆麟，清华大学教授，从事异构多核/众核处理器、智能处理器、并行编程等领域研究。

LI Zhaolin is a Professor at Tsinghua University engaged in research on heterogeneous multi-core/many-core processors, intelligent processors, and parallel programming.

## 混沌及其信息安全应用



## Chaos and Its Application in Information Security

作者：孙克辉、王会海、贺少波

Author: SUN Kehui, WANG Huihai, HE Shaobo

ISBN: 9787302575368

Publication Date: 2021-09-01

Page Count: 360

### About the Book:

本书在阐述混沌理论与应用研究进展、混沌研究分析方法和典型混沌系统模型的基础上，着重研究混沌在信息安全领域的应用，包括混沌同步控制、混沌保密通信、混沌密码学、混沌图像和音视频加密、混沌电路等。作者还总结了分数阶混沌系统的分析方法、仿真技术与研究进展。

This book gives an introduction to the research progress of chaos theory and its applications, research and analysis methods of chaos, and typical models of chaotic systems, with a special focus on the applications of chaos in information security, including synchronization control of chaos, chaotic secure communication, chaotic cryptography, chaotic image and audio/video encryption, and chaotic circuits. The authors also reviews the analytical methods, simulation techniques and research progress of fractional-order chaotic systems.

### About Author:

孙克辉，教授，中南大学物理与电子学院院长，主要从事混沌理论与应用方面的研究。

SUN Kehui is Professor and Dean of the School of Physics and Electronics, Central South University, who is mainly engaged in research on chaos theory and its applications.



## LoRa物联网通信技术



## LoRa IoT Communication Technology

作者：甘泉

Author: GAN Quan

ISBN: 9787302580843

Publication Date: 2021-06-01

Page Count: 312

### About the Book:

本书主要介绍LoRa物联网通信技术相关内容，包括LoRa的历史背景、核心技术、芯片产品、行业标准及规范、产业链生态、工程计算以及案例详解。本书以从基础到应用的方式展开，从基础的LoRa技术原理讲起，再介绍LoRa的产品和生态，最后介绍工程应用中的计算和案例分析。书中有大量的基础计算和应用案例，可以通过基础计算了解LoRa的核心参数，并通过案例中的工程计算掌握实际项目的规划和实施。

This book is an introduction to LoRa IoT communication technology, including its history, core technology, chip products, industry standards and norms, industry chain ecology, computations in engineering projects and detailed case studies. The book starts from the basic LoRa technology principles, to the LoRa products and ecology, and finally explains the calculations in engineering projects and studies actual cases. The book consists of a wealth of basic calculations and application cases, which will enable readers to understand the core parameters of LoRa through basic calculations, and master the techniques for planning and implementation of actual projects through the calculations in the cases.

### About Author:

甘泉，长期从事物联网芯片的开发研究和应用市场工作，现任职于LoRa创始公司Semtech。

GAN Quan, who has been working in IoT chip development and application marketing for years, is now working at Semtech, the founding company of LoRa.

## 我在硅谷管芯片：芯片产品线经理生存指南



## Managing Chips in the Silicon Valley: A Survival Guide for Chip Product Line Managers

作者：俞志宏

Author: YU Zhihong

ISBN: 9787302580492

Publication Date: 2021-06-01

Page Count: 292

### About the Book:

本书详细介绍了如何在芯片公司做好产品管理和市场营销，着重讲述在芯片产业中产品管理者的各方面工作，总结了全球成功的芯片公司的产品开发管理和市场营销较为普遍的运作规律和方法，包括其产品规划、开发流程、组织管理、营销实践等环节。从产品规划方面，介绍了芯片产品线经理应该如何分析市场，制定产品方向；从开发流程方面，描述了研发和管理的各种细节；从组织管理方面，详述了产品和市场组织的合理结构；从营销实践方面，介绍了芯片的销售策略。

This book provides a detailed introduction of the key to excel in product management and marketing in chip companies, covering all aspects of the duties of product managers in the chip industry. It summarizes the most common rules and methods of product development management and marketing in successful chip companies around the world, including their product planning, development process, organization management, and marketing practices. For example, in terms of product planning, the book introduces how chip product line managers should analyze the market and determine the direction for product development. Regarding development process, it describes various details related to R&D and management. With regard to organization management, it details the reasonable structure of product and marketing organizations. And finally in marketing practice, it introduces the sales strategies of chips.

### About Author:

俞志宏，曾在美国做多年研发工程师，涉及医疗电源、电动汽车等方向，现在位于硅谷 Milpitas担任主任产品线经理。

YU Zhihong, who has worked as a R&D engineer in medical power and electric vehicles in the US for years, is now a product line manager based in Milpitas in the Silicon Valley.

## 量子计算导论

Introduction to  
Quantum Computing

作者：谭晓青、宋婷婷、翁健

Author: TAN Xiaoqing, SONG Tingting, WENG Jian

ISBN: 9787302571551

Publication Date: 2021-08-01

Page Count: 256

## About the Book:

本书在全面介绍量子计算与量子信息理论中用到的量子力学、线性代数、计算复杂性理论等背景知识的基础上，着重介绍几个代表性的量子算法：Deutsch-Jozsa算法、Simon算法、BV算法、Grover算法、量子傅里叶变换、HHL算法等。同时，也介绍量子计算与量子信息实际应用所涉及的一些问题，包括量子通信中的量子密钥分发与量子随机数，以及安全量子计算协议，并简单介绍几种未来量子计算机可能的物理实现形式。

This book provides a comprehensive introduction to quantum computing and quantum information theory. Besides covering the background knowledge in, for example, quantum mechanics, linear algebra, and computational complexity theory, the book highlights several representative quantum algorithms including Deutsch-Jozsa algorithm, Simon algorithm, BV algorithm, Grover algorithm, quantum Fourier transform, and HHL algorithm. It also addresses certain issues in the application of quantum computing and quantum information, including quantum key distribution and quantum random numbers in quantum communication, and quantum computing security protocols, and briefly introduces several possible physical implementations of future quantum computers.

## About Author:

谭晓青，暨南大学教授，博士生导师，长期担任信息类课程的教学工作。

TAN Xiaoqing is Professor and Doctoral Supervisor at Jinan University, and has been teaching information courses for a long time.

## 电子信息科学与技术导引

### Introduction of Electronic Information Science and Technology



作者: 王希勤、黄翊东、李国林、葛宁、马洪兵、吴及、王昭诚、王生进

Author: WANG Xiqin, HUANG Yidong, LI Guolin, GE Ning, MA Hongbing, WU Ji, WANG Zhaocheng, WANG Shengjin

ISBN: 9787302551287

Publication Date: 2021-01-01

Page Count: 212

#### About the Book:

本书全面系统地阐述电子信息科学与技术知识体系的七个层次: 场与电荷载体、电势与电路、比特与逻辑、程序与处理器、数据与算法、数据包与网络、媒体与认知, 展示知识体系七个层次之间的内在关联性和每个层次内部的基本问题, 突出知识体系的全面性和系统性, 构建了电子信息科学与技术知识体系的核心框架, 使得电子信息学科的课程知识安排有了清晰的脉络主线, 为相关核心课程的建设提供了理论依据。

This book provides a comprehensive and systematic introduction to the 7 levels of the knowledge system of electronic information science and technology, which are: fields and charge carriers, potentials and circuits, bits and logic, programs and processors, data and algorithms, packets and networks, media and cognition. It also reveals the intrinsic correlation among the 7 levels and the fundamentals within each level, which strengthens the comprehensiveness and systematic nature of the knowledge system. By building a core framework of the knowledge system of electronic information science and technology, the book draws a clear main thread for teachers to arrange knowledge content in courses of electronic information, and provides a theoretical basis for the development of relevant core courses.

#### About Author:

王希勤, 清华大学教授, 长期从事信号处理理论、算法和系统实现方面的研究。。

WANG Xiqin is Professor at Tsinghua University. He has long been engaged in research on signal processing theory, algorithms and system implementation.

黄翊东, 清华大学学术教授, 研究方向是光电子物理及器件。

HUANG Yidong is an Academic Professor at Tsinghua University, with research interests in optoelectronic physics and devices.

## 模式识别



## Pattern Recognition

作者: 张学工 汪小我

Author: ZHANG Xuegong, WANG Xiaowo

ISBN: 9787302587750

Publication Date: 2021-09-01

Page Count: 412

### About the Book:

本书系统介绍模式识别的基本概念、理论体系、典型方法以及实际应用实例,强调基础性和实用性,同时兼顾学科发展的动向,包括了各种典型方法在R和Matlab环境下的现有程序和应用方法,并包括了对针对大数据应用的模式识别方法的讨论。

The book provides a systematic introduction to the basic concepts, theoretical systems, typical methods, and application examples of pattern recognition. Though emphasizing on the fundamentals and practicality of pattern recognition, the book also takes into account the development trends in the discipline, including introduction of existing procedures and application methods for various typical methods in R and Matlab environments, and discussions on the pattern recognition methods for big data applications.

### About Author:

张学工,清华大学教授,主要研究方向是模式识别与机器学习、生物信息学与计算生物学。

ZHANG Xuegong is Professor at Tsinghua University. His main research interests are pattern recognition and machine learning, bioinformatics and computational biology.

## 机器学习导论

## Introduction to Machine Learning



作者: 张旭东

Author: ZHANG Xudong

ISBN: 9787302594727

Publication Date: 2022-01-01

Page Count: 416

### About the Book:

本书是一部论述机器学习原理与算法的立体化教材, 兼顾机器学习基础、经典方法和深度学习方法。对组成机器学习的基础知识和基本算法做了比较细致的介绍, 对广泛应用的经典算法如线性回归、逻辑回归、朴素贝叶斯、支持向量机、决策树和集成学习等算法都给出了深入的分析, 并讨论了无监督学习的基本方法。用5章的篇幅对深度学习和深度强化学习做了相当全面的叙述, 不仅深入地讨论了反向传播算法、多层感知机、CNN网络等深度神经网络的核心知识和结构, 对于一些发展中的专题如生成对抗网络 (GAN) 和Transformer等也予以一定深度的介绍。

This book is a three-dimensional textbook on machine learning principles and algorithms, which covers machine learning fundamentals, classical methods and deep learning methods. It provides a detailed introduction to the fundamentals and basic algorithms that make up machine learning; in-depth analysis to the widely used classical algorithms such as linear regression, logistic regression, Naive Bayes, support vector machines, decision trees and integrated learning; and discussions on the basic methods of unsupervised learning. The books gives a comprehensive account of deep learning and deep reinforcement learning in 5 chapters, not only discussing in depth the core knowledge and structure of deep neural networks such as backpropagation algorithms, multilayer perceptron, and CNN networks, but also introducing in depth some developing topics such as generative adversarial networks (GAN) and Transformer.

### About Author:

张旭东, 清华大学教授, 主要研究方向为信号处理和机器学习。

ZHANG Xudong is Professor at Tsinghua University, with major research interests in signal processing and machine learning.

## 多源信息融合（第3版）

**Multisource Information Fusion  
(Third Edition)**

作者：韩崇昭、朱洪艳、段战胜

Author: HAN Chongzhao, ZHU Hongyan, DUAN Zhansheng

ISBN: 9787302579830

Publication Date: 2022-01-01

Page Count: 668

**About the Book:**

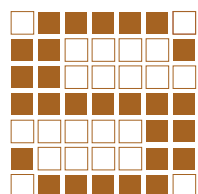
本专著介绍了多源信息融合的基本概念以及多源信息融合理论赖以发展的基础理论，如统计推断与估计理论基础、智能计算与识别理论基础等；还介绍了目标跟踪理论、检测融合、估计融合、数据关联、异步信息融合和异类信息融合；也介绍了图像融合特别是遥感图像融合，智能交通中的信息融合，以及态势评估与威胁估计等内容。此外，本专著对大数据时代信息融合新的发展做了修订和补充。

This monograph introduces the basic concepts of multisource information fusion and the underlying theories on which the multisource information fusion theory is developed, such as the theoretical foundations of statistical inference and estimation, and of intelligent computation and recognition. It also introduces target tracking theory, detection fusion, estimation fusion, data association, asynchronous information fusion, and heterogeneous information fusion; as well as image fusion, especially remote sensing image fusion, information fusion in intelligent transportation, and situational assessment and threat estimation. In addition, this monograph revises and complements the new developments of information fusion in the big data era.

**About Author:**

韩崇昭，西安交通大学教授，长期从事多传感信息融合及决策理论与决策支持系统等方向的研究。

HAN Chongzhao is Professor at Xi'an Jiaotong University. He has long been engaged in research on multi-sensor information fusion, decision theory, and decision support systems.



理工 医学  
**STEM Books**



## 智慧工业互联网

## Smart Industrial Internet



作者：李伯虎、柴旭东、侯宝存 等

Author: LI Bohu, CHAI Xudong, HOU Baocun, et al.

ISBN: 9787302593836

Publication Date: 2021-12-01

Page Count: 224

**About the Book:**

本书对“互联网+人工智能+大数据+”时代的内涵进行了解读，分析了工业云产生的背景，提出了工业云的内涵、概念模型与特征，研究了工业云的发展现状和趋势。阐述了工业云体系架构与技术体系框架以及工业云系统总体技术、工业云平台技术和工业云基础支撑技术与应用技术；分析了国内外已有的工业云平台，重点阐述了作者团队研发的工业云平台——INDICS；总结了工业云的实施方法、评估方法、运行模式和范例集；提出了工业云发展展望。

This book provides an interpretation of the era of “Internet+Artificial Intelligence+Big Data+”. It starts with a background analysis of industrial cloud, defines its meaning, conceptual model and characteristics, and studies its current development and future trend. Then it explains the system architecture and technical system framework of industrial cloud, the overall technology of industrial cloud system, the platform technology of industrial cloud, and the basic support and application technology of industrial cloud. After analyzing the existing industrial cloud platforms at home and abroad, the book gives a highlight to INDICS, the industrial cloud platform developed by the authors' team. Finally, the book summarizes the implementation method, evaluation method, operation model and examples of industrial cloud, and provides an outlook of industrial cloud development.

**About Author:**

李伯虎，中国工程院院士，长期从事系统仿真及制造业信息化方面的研究与应用。

LI Bohu is an academicien of the Chinese Academy of Engineering, who has long been engaged in the research and application of system simulation, as well as IT application in the manufacturing sector.

## 智能制造系统中的建模与仿真：系统工程与仿真的融合

### Modeling and Simulation in IMS: Fusion of SE and Simulation



作者：朱文海、郭丽琴

Author: ZHU Wenhai, GUO Liqin

ISBN: 9787302595557

Publication Date: 2021-12-01

Page Count: 224

#### About the Book:

为了更好地理解基于模型的系统工程，消除过度宣传、商业炒作引发的对MBSE的扭曲，笔者力图以通俗的文字，简要阐述数学建模、系统科学方法、系统工程、建模与仿真、虚拟样机等基础知识，旨在说明MBSE是M&S和SE深度融合的阶段产物。通过对MBSE、数字孪生等进行剖析，引导大家深刻领会MBSE的本质，共同促进MBSE在复杂系统和体系研究中的应用。本书面向广大的工程技术人员和管理人员、也可作为大学教材。

In order to better understand Model-Based System Engineering (MBSE) and debunk the myth or misunderstanding of MBSE created by excessive publicity and commercial hype, the authors strive to explain the basics of mathematical modeling, systems science methods, systems engineering (SE), modeling and simulation (M&S), and virtual prototyping in layman's terms, and prove that MBSE is a phased product of the deep integration of M&S and SE. By dissecting MBSE and digital twin, the authors lead readers to form a deep understanding of the essence of MBSE and jointly promote the application of MBSE in complex systems and system studies. This book is intended for engineers and managers. It can also be used as a university textbook.

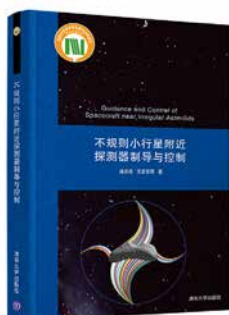
#### About Author:

朱文海，研究员，中国仿真学会理事、航天科工集团先进制造专家组副组长，主要从事飞行器结构设计，建模与仿真等技术研究与应用。

ZHU Wenhai is a researcher, the General Secretary of China Simulation Federation, and the Deputy Leader of the Advanced Manufacturing Expert Group of China Aerospace Science & Industry Corporation. He is mainly engaged in the structural design of flying vehicles, and the research and application of technologies such as modeling and simulation.

## 不规则小行星附近探测器制导与控制

### Guidance and Control of Spacecraft near Irregular Asteroids



作者：杨洪伟、宝音贺西

Author: YANG Hongwei, BAOYIN Hexi

ISBN: 9787302601371

Publication Date: 2022-04-01

Page Count: 220

#### About the Book:

小行星探测重要的科学意义和工程价值，已成为深空探测主要方向之一。本书基于小行星附近引力环境和动力学机制，针对悬停、绕飞、转移和着陆四种不同任务形式，介绍探测器制导与控制方法，实现轨道控制可行性、最优性、稳定性及安全性等目标。本书首先介绍了小行星引力场中的动力学模型，包括坐标系和动力学方程；然后针对小行星引力场中悬停、绕飞、转移以及着陆四种重要的任务形式，介绍了作者以及其他学者近年来关于受控系统动力学、最优制导、流形拼接、线性反馈控制、滑模控制等方面的研究成果。

Asteroid detection, with its great scientific significance and engineering value, has become one of the main focuses of deep space exploration. Based on the gravitational environment and dynamical mechanism around asteroids, this book introduces the guidance and control methods of space probes for four different types of missions—hovering, orbiting, transferring and landing—to ensure feasible, stable, secure and optimal orbit control. The book first introduces the dynamical model in the gravitational fields around asteroids, including the coordinate system and dynamic equations. It then introduces the research achievements of the authors and other scholars in the dynamics of controlled systems, optimal guidance, manifold mosaicking, linear feedback control, and sliding mode control for the four important missions—hovering, orbiting, transferring, and landing—of space probes in the gravitational fields around asteroids.

#### About Author:

杨洪伟，就职于南京航空航天大学航天学院。

YANG Hongwei works at School of Astronautics of Nanjing University of Aeronautics and Astronautics.

宝音贺西，清华大学教授，入选Elsevier中国高被引学者榜单。

BAOYIN Hexin is Professor at Tsinghua University. He has been on the list of the Highly Cited Chinese Researchers released by Elsevier.

## 半导体生产中的排序理论与算法

### Scheduling Theories and Algorithms in Semiconductor Production



作者：井彩霞、贾兆红

Author: JING Caixia, JIA Zhaohong

ISBN: 9787302590620

Publication Date: 2021-12-01

Page Count: 244

#### About the Book:

全书共分为六章。第一章绪论主要介绍半导体生产的相关背景和排序基本理论，为第二章的排序建模做铺垫；第二章详细阐述了重入排序、工件具有多重性的平行多功能机排序和分批排序的建模过程；第三章和第四章分别对重入排序和工件具有多重性的平行多功能机排序进行系统的介绍；由于分批排序的内容较多，所以分成两章，其中第五章介绍相同尺寸工件的情形，第六章介绍差异尺寸工件的情形。

The book is arranged in 6 chapters. Chapter 1 introduces the background of semiconductor production and the basic theories of scheduling, in order to prepare readers for the detailed explanation of the modeling of reentrant scheduling, scheduling of high multiplicity jobs on parallel multi-purpose machines, and batch scheduling in Chapter 2. Chapters 3 and 4 are systematic introductions to the first two types of scheduling, respectively, while Chapters 5 and 6 are both dedicated to batch scheduling because of its rich content. Chapter 5 focuses on batch scheduling of jobs with identical sizes, and Chapter 6, jobs with different sizes.

#### About Author:

井彩霞，天津工业大学副教授，主要从事运筹优化、排序论等的教学和科研工作。

JING Caixia is Associate Professor at Tiangong University, specializing in the teaching and research of operations research and optimization, and theories of scheduling.

## 精细陶瓷工艺学

Techniques of Fine Ceramics  
Production

作者：齐龙浩、姜忠良

Author: QI Longhao, JIANG Haoliang

ISBN: 9787302559160

Publication Date: 2021-02-01

Page Count: 432

## About the Book:

本书共分9章：1.导论；2.精细陶瓷常用原料；3.精细陶瓷的粉体制备；4.精细陶瓷粉体的特征检测与加工处理；5.精细陶瓷的成型与坯体干燥；6.精细陶瓷的烧结；7.精细陶瓷的加工和后续处理；8.特殊形体精细陶瓷的制备；9.人工晶体的制备。本书较全面地讲述了精细陶瓷的各种制备工艺方法，具有较强的科学性、系统性、先进性和实用性。

This book is divided into 9 chapters: 1. Introduction; 2. Common raw materials; 3. Powder preparation; 4. Characterization and processing; 5. Molding and drying; 6. Sintering; 7. Further processing and subsequent treatment; 8. Preparation of fine ceramics of special shape; 9. Production of intraocular lens. This book is a comprehensive, systematic, up-to-date, science-based and practical introduction of various techniques of fine ceramics production.

## About Author:

齐龙浩，清华大学副教授，长期从事无机非金属材料的研究、开发与生产工作。

QI Longhao is Associate Professor at Tsinghua University, who has long been engaged in the research, development and production of inorganic non-metallic materials.

姜忠良，清华大学教授，长期从事电工钢、非晶态材料、铁氧体等的研究与教学。

JIANG Zhongliang is Professor at Tsinghua University, who has long been engaged in the research and teaching of electrical steel, amorphous materials and ferrite.

## 智能终端陶瓷

## Ceramics for Intelligent Terminal



作者：谢志鹏

Author: XIE Zhipeng

ISBN: 9787302588566

Publication Date: 2021-10-01

Page Count: 436

## About the Book:

智能终端陶瓷是泛指应用于智能终端产品方面的各种精密陶瓷材料，目前应用最多的领域就是智能手机和智能穿戴设备；包括手机陶瓷背板、陶瓷中框、指纹识别陶瓷薄片以及手表上的陶瓷表壳、陶瓷表链、陶瓷后盖；智能手环和项链的外观陶瓷件。本书共分8章，详细介绍了智能终端陶瓷的发展与应用、粉体原料的制备、成型工艺、烧结技术、精密加工方法、材料性能分析检测技术、智能终端陶瓷结构件的外观检测与评价方法。

The term “ceramics for intelligent terminal” refers to various fine ceramics used in intelligent terminal products, most commonly, smart phones and smart wearable devices. The back plate, middle frame, fingerprint scanner on smart cell phones; the case, wristband, back cover on smart watches; and some parts for the appearance of smart bracelets and necklaces are usually made of fine ceramics. This book, divided into 8 chapters, details the development and application of ceramics on intelligent terminal products, preparation of ceramic powder, molding process, sintering techniques, precision processing methods, analysis and testing techniques for material performance, and appearance inspection and evaluation methods of ceramic structural parts on intelligent terminal products.

## About Author:

谢志鹏，清华大学教授，在陶瓷材料制备特别是结构陶瓷领域有多年的工作积累。

XIE Zhipeng is Professor at Tsinghua University. He has years of experience in the production of ceramics, especially structural ceramics.

## 天然石墨的改性与应用

# Modification and Application for Natural Graphite



作者：康飞宇

Author: KANG FEIyu

ISBN: 9787302601180

Publication Date: 2022-02-01

Page Count: 340

### About the Book:

本书基于30多年的科研工作，系统阐述了微晶石墨层间化合物插层技术，膨胀石墨和柔性石墨的膨化与压延工艺、增强技术、低硫技术和流延成型技术，石墨烯粉末制备的插层-氧化-剥离工艺和低温负压工艺，还讨论了天然石墨深加工制品在锂离子电池、吸油及环保、隐身屏蔽和燃料电池双极板中的应用。

Based on more than 30 years' experience in scientific research, the author offers a systematic introduction of the intercalation technique of microcrystalline graphite intercalation compounds; the expansion and calendaring process, the techniques of reinforcement, sulfur reduction and tap casting of expanded and flexible graphite; the intercalation-oxidation-exfoliation process and the process for low-temperature and negative-pressure preparation of graphene powder. The author also discusses the applications of deep-processing products of natural graphite in lithium-ion batteries, oil absorption and environmental protection, cloaking and shielding, as well as in bipolar plates for fuel cells.

### About Author:

康飞宇，清华大学教授、深圳研究生院院长。

KANG Feiyu is Professor at Tsinghua University, and Dean of the Graduate School at Shenzhen of Tsinghua University.

## 直觉模糊时间序列分析

## Intuitionistic Fuzzy Time Series Analysis



作者：范晓诗、王亚男、张雪超、雷阳

Author: FAN Xiaoshi, WANG Yanan,  
ZHANG Xuechao, LEI Yang

ISBN: 9787302566298

Publication Date: 2021-06-01 Page Count: 232

**About the Book:**

本书系统介绍直觉模糊时间序列分析理论和智能信息处理方法，尤其是在网络信息安全领域的应用。第1章介绍直觉模糊集、时间序列预测、直觉模糊时间序列等。第2章介绍基于多重直觉模糊推理的一阶一元IFTS预测模型。第3章介绍基于多维直觉模糊推理的高阶IFTS预测模型。第4章介绍启发式变阶IFTS预测模型。第5章介绍自适应划分IFTS预测模型。第6章介绍基于DTW的长期IFTS预测模型。第7章介绍基于基于VQ和曲线相似度测量的长期IFTS预测模型。第8章介绍基于IFTS分析的网络流量预测。第9章介绍IFTS在网络异常检测中的应用。第10章介绍SIFE在网络漏洞评估中的应用。

This book systematically introduces the theory of intuitionistic fuzzy time series (IFTS) analysis and the methods for intelligent information processing, especially in the field of network information security. Chapter 1 is an introduction to intuitionistic fuzzy sets, time series forecasting, and IFTS. Chapter 2 focuses on first-order IFTS forecasting models based on multiple intuitionistic fuzzy reasoning, and Chapter 3, on higher-order IFTS forecasting models based on multidimensional intuitionistic fuzzy reasoning. Chapter 4 and Chapter 5 explain, respectively, the heuristic variable-order IFTS forecasting model, and the adaptive partition IFTS forecasting model. Chapter 6 introduces a long-term IFTS forecasting model based on DTW. Chapter 7 is dedicated to the long-term IFTS forecasting model based on VQ and curve similarity measurement. Chapter 8 focuses on network traffic forecasting based on IFTS analysis. Finally, Chapter 9 and Chapter 10 discuss the application of IFTS in network anomaly detection, and the application of SIFE in network vulnerability assessment.

**About Author:**

范晓诗，讲师，研究方向为网络信息安全和智能信息处理。

FAN Xiaoshi is a college lecturer whose main research interests are network information security and intelligent information processing.



## 基于异构数据融合的回转窑熟料质量软测量



### Soft Sensing Methods based on Heterogeneous Data Fusion for the Measurement of Clinker Quality Parameters in Cement Rotary Kilns

作者：李帷韬、汤健、丁美双、贾美英、朱红鹃

Author: LI Weitao, TANG Jian, DING Meishuang, JIA Meiying, ZHU Hongjuan

ISBN: 9787302566304

Publication Date: 2021-06-01 Page Count: 316

#### About the Book:

以水泥回转窑为研究对象，以提高烧成状态识别和熟料质量指标软测量精度为目标，开展了基于图像处理和机器学习的烧成状态识别和熟料质量指标软测量的研究：①提出了一种压缩Gabor滤波器组设计方法对具有不同纹理特性的火焰图像感兴趣区域进行滤波预处理，和一种基于多源火焰图像特征的烧成状态融合识别方法。②提出了一种基于KPLS的压缩过程数据特征向量量子集提取方法，给出了一种基于全景信息的烧成状态融合识别方法。③提出了一种基于全景信息的熟料质量指标f-CaO含量软测量方法。

In order to enhance the accuracy of burning state recognition and the precision of the soft sensing method for the measurement of clinker quality parameters in cement rotary kilns, the authors have conducted researches based on image processing and machine learning, and propose several solutions: first, a compact Gabor filter bank designing method to filter the regions of interest of flame images with different texture characteristics, and a fusion burning state recognition method based on multi-source flame image characteristics; second, a KPLS-based feature vector extraction method of the data during the compact process, and a fusion burning state recognition method based on panoramic information; and third, a soft sensing method for the measurement of f-CaO content, a clinker quality parameter, based on the panoramic information.

#### About Author:

李帷韬，副教授，主要研究方向为图像处理、模式识别和人工智能。

LI Weitao is an associate professor, whose main research interests include image processing, pattern recognition and artificial intelligence.

## LS-DYNA有限元建模、分析和优化设计

### Finite Element Modeling, Analysis and Optimization Design Using LS-DYNA



作者: 辛春亮、朱星宇、王凯、时党勇、刘安阳

Author: XIN Chunliang, ZHU Xingyu,  
WANG Kai, SHI Danyong, LIU Anyang

ISBN: 9787302597025

Publication Date: 2022-01-01 Page Count: 528

#### About the Book:

本书分为四大部分, 分别介绍了ANSYS LST公司的4款主打软件: LS-PrePost、LS-DYNA、LS-OPT和LS-TaSC。书中结合多位ANSYS LST公司技术专家的成果和作者多年在相关领域的经验, 详细阐述这4款软件的使用方法, 全书包括LS-PrePost几何建模、网格划分、有限元建模、后处理方法、二次开发, LS-DYNA基本功能、各类算法、关键字介绍, LS-OPT和LS-TaSC联合LS-DYNA优化设计等, 并给出了相关算例详解, 以引导读者掌握解决工程实际问题的能力。

The book, arranged in 4 parts, presents the 4 principal software of ANSYS LST: LS-PrePost, LS-DYNA, LS-OPT and LS-TaSC. Based on the achievements of several technical experts of ANSYS LST and the authors' long-time experience in the field, the book provides detailed user guide of these 4 software, including the introductions to the geometric modeling, meshing, finite element modeling, post-processing, and secondary development methods using LS-PrePost; the basic functions, various algorithms, and introduction of keywords of LS-DYNA; and the optimization design methods using LS-OPT, LS-TaSC and LS-DYNA, etc. The book also offers exercises and detailed explanations to equip readers with the ability to solve practical engineering problems.

#### About Author:

辛春亮, 研究员, 荣获多项国家和省部级科技奖。

XIN Chunliang is a researcher and recipients of multiple national, provincial and ministerial-level awards in science and technology.

## 微型扬声器设计与仿真

## Design and Simulation of Mini Loudspeaker



作者: 韦煜

Author: WEI Yu

ISBN: 9787302600749

Publication Date: 2022-04-01

Page Count: 348

## About the Book:

微型扬声器的设计过程一般可分为: 架构设计、结构设计和振膜设计。本书首先介绍一些微型扬声器和声学指标的基础知识, 然后讲述了扬声器架构设计和公差分析的相关知识, 接着讲述了用Pro/E设计两款典型振膜的画法。仿真方面讲述了用Micro-Cap软件进行扬声器整体声学性能仿真, 用Comsol软件进行BL曲线、Zb曲线和SPL曲线仿真, 以及分别用Abaqus和Comsol进行扬声器振膜KMS曲线仿真的方法。

The design process of mini loudspeaker can be generally divided into: architecture design, structure design and cone design. This book first presents some basics of mini loudspeaker and its acoustic indicators. Then it introduces the architecture design and tolerance analysis, as well as the drawing method of 2 typical cone designs with Pro/E. In terms of simulation, the book introduces several methods, including simulating the overall acoustic performance with Micro-Cap; the BL curve, Zb curve and SPL curve with Comsol; and the KMS curve of the cone with Abaqus and Comsol.

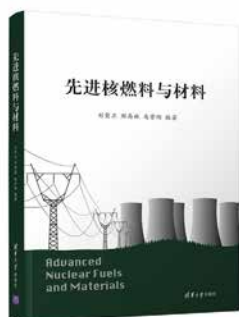
## About Author:

韦煜, 高级工程师, 先后参与过苹果、三星等品牌设备的扬声器设计。

WEI Yu is a senior engineer. He has designed loudspeakers for brands such as Apple and Samsung.

## 先进核燃料与材料

# Advanced Nuclear Fuels and Materials



作者: 刘荣正、刘马林、马景陶

Author: LIU Rongzheng, LIU Malin, MA Jingtao

ISBN: 9787302601579

Publication Date: 2022-04-01

Page Count: 380

### About the Book:

本书主要介绍目前世界商用反应堆用核燃料的发展历程及现状, 先进裂变反应堆及聚变堆等堆型用的燃料结构及其辐照性能, 并展示先进核燃料与关键核能材料的研究进展, 同时结合核用材料阐述了计算材料学、纳米材料等在核燃料领域的应用。系统论述核燃料知识为本书的一大特色。本书的另一特色为部分内容为近5年内相关领域的进展。

This book first introduces the development and current status of nuclear fuels for commercial reactors around the world, the composition and irradiation performance of fuels for advanced fission reactors and fusion reactors. Then it presents some research progress of advanced nuclear fuels and key nuclear materials, and explains the application of computational materials science and nanomaterials in nuclear fuels and in nuclear materials. The major features of this book are that it discusses nuclear fuels in a systematic way, and that it includes the research progress in the past five years.

### About Author:

刘荣正, 清华大学副教授, 从事新型核燃料的研究工作。

LIU Rongzheng is Associate Professor at Tsinghua University. His main research focus is new nuclear fuels.

## 核电子学基础

## Basic Nuclear Electronics



作者：霍雷、冯启春、马永和

Author: HUO Lei, FENG Qichun, MA Yonghe

ISBN: 9787302592129

Publication Date: 2022-01-01

Page Count: 376

### About the Book:

本书以北京核仪器厂生产的科研教学用核仪器和NIM插件为基础，以能谱分析和强度测量为主线编写。内容涵盖辐射信号的产生、接收、预处理、数据分析及结果显示、核辐射探测器的非电量转换、信号预处理、核辐射的能量、强度、成分、含量的测量与分析，以及这些技术在各个工程技术领域的应用。

This book mainly introduces methods to analyze energy spectrum and measure intensity using the nuclear instruments for scientific research and teaching purpose and NIM plug-ins produced by Beijing Nuclear Instrument Factory. It covers the generation, reception, pre-processing, data analysis and result display of radiation signals; non-electricity conversion of nuclear radiation detectors; signal pre-processing; measurement and analysis of energy, intensity, composition and content of nuclear radiation; as well as the application of these techniques in all kinds of engineering and technological fields.

### About Author:

霍雷，教授，博士生导师，研究领域为中高能核物理。

HUO Lei is Professor and Doctoral Supervisor, with research interests in medium and high energy nuclear physics.

## 数学船型构建及优化设计

# Mathematical Hull Form Building and Design Optimization



作者：唐晓、齐翔、齐欢

Author: TANG Xiao, QI Xiang, QI Huan

ISBN: 9787302587514

Publication Date: 2021-08-01

Page Count: 224

### About the Book:

本书采用纵向函数法、横向函数法和垂向函数法，即采用数学方程表达各剖线族，同时将生成各剖线的参数用一些连续函数表示，从而构建数学船型。由此也可以方便地生成横剖面面积曲线、设计水线、纵中剖面轮廓线、龙骨半宽线，再生成各横剖线。而横剖面面积曲线、设计水线，则可以用船舶长度、宽度、吃水、方形系数、水线面面积系数、中截面系数、浮心纵向位置等作参数，表达成数学方程。这种方法与以往传统船舶设计的方法比较接近。

This book defines all kinds of hull lines with mathematical equations, using the longitudinal function method, transverse function method and vertical function method, and uses continuous functions to express the parameters for generating hull lines, so as to build mathematical hull forms. These methods can also easily generate the area curve for the transverse section, the designed waterline, the contour line of the longitudinal section in center plane, keel half siding line, and all kinds of body lines. The area curve for the transverse section and the designed waterline can be expressed in mathematical equations using the length, width, draft, block coefficient, coefficient of areas of waterplanes, coefficient of midship section, and longitudinal position of the center of buoyancy of ships as parameters. This method is closer to the traditional ship design method.

### About Author:

唐晓，副教授，研究方向为算法设计、云计算。

TANG Xiao is an associate professor, with main research interests in algorithm design and cloud computing.

## 激光清洗技术与应用

## Laser Cleaning and Its Applications



作者：宋峰、林学春

Author: SONG Feng, LIN Xuechun

ISBN: 9787302579229

Publication Date: 2021-11-01

Page Count: 288

## About the Book:

激光清洗是采用激光作为媒介，通过光与物质的相互作用，达到去除污染物的目的。常规的物理清洗方法中，机械方法无法满足高清洁度的要求，超声波清洗法尽管清洗效果不错，但对亚微米级污粒无能为力，而清洗槽的尺寸又限制了加工零件的范围和复杂程度；化学清洗方法则容易导致环境污染。激光清洗是一种新兴的表面清洁技术，更符合当前对于环境保护的要求。本书分为十章，前四章介绍了激光清洗的概念、基本原理、激光清洗设备，后六章分别介绍了激光清洗在电子元器件、除锈、脱漆、文物、模具等领域的应用。

Laser cleaning is using laser as a medium to remove contaminants through the interaction between light and the contaminants. Among the conventional physical cleaning methods, it is impossible to achieve high cleanliness with mechanical methods; although with the ultrasonic cleaning method we can obtain satisfactory cleaning effect, it cannot remove sub-micron dirt particles, and the size of the cleaning tank limits the type and complexity of the processed parts; and chemical cleaning methods can easily lead to environmental pollution. Laser cleaning is an emerging surface cleaning technology, more in line with the current requirements for environment protection. The first 4 chapters of the total 10 of this book introduces the definition of laser cleaning, how it works, and laser cleaning instruments. The other 6 chapters introduces the application of laser cleaning in electronic components, rust removal, paint removal, cultural relics and molds, etc.

## About Author:

宋峰，南开大学教授，多年从事激光清洗研究工作。

SONG Feng is Professor at Nankai University with years of research experience in laser cleaning.

## 脉冲噪声信道差错控制编码

### Error Control Coding over Impulse Noise Channels



作者: 刘荣科、戴彬、赵岭、侯毅

Author: LIU Rongke, DAI Bin, ZHAO Ling, HOU Yi

ISBN: 9787302583400

Publication Date: 2021-08-01

Page Count: 212

#### About the Book:

本书主要从脉冲噪声信道特点出发,介绍了脉冲信道下差错控制编码研究成果。全书总共分为8章,分别阐述了脉冲噪声信道、差错控制编码概述、脉冲噪声信道下的编译码方法、联合信道估计与译码、深度学习译码以及高速译码结构等,为脉冲噪声信道的编码设计提供理论基础。此外本书还重点介绍了LDPC码在脉冲信道中的研究。

This book introduces the research results of error control coding in impulsive noise channels based on the characteristics of impulsive noise channels. In 8 chapters, the book provides an introduction to the impulsive noise channel, error control coding, coding and decoding methods in impulsive noise channels, joint channel estimation and decoding, deep learning decoding and high-speed decoding structure, providing a theoretical basis for the coding design of impulsive noise channels. It also highlights the research of LDPC codes in impulsive channels.

#### About Author:

刘荣科,北京航空航天大学教授。

LIU Rongke is Professor at Beihang University.



## 光子天线的理论与关键技术

### Theory and Key Technology of Photonic Antenna



作者：余建国

Author: YU Jianguo

ISBN: 9787302583783

Publication Date: 2021-08-01

Page Count: 244

#### About the Book:

本书通过理论推导、仿真设计、测试验证等方式证明了光子天线的可行性。介绍了三大类共9款结构新颖的多频宽带、高辐射、小型化天线和回波损耗、方向图、增益和效率等相关性能参数的测试结果。针对高频微波、毫米波、太赫兹波传输距离受限的问题，介绍采用基于射频拉远的光载无线通信（Radio over Fiber, RoF）技术，在光载无线通信系统的接收端采用相干探测的方式实现对光信号的线性探测，采用数字信号处理（Digital Signal Processing, DSP）技术补偿信号的传输损伤。针对光纤传输的桥接和补环的应用需求，介绍了采用光纤无线一体化的传输方案。

This book demonstrates the feasibility of photonic antennas through theoretical derivation, simulations, and tests. It introduces a total of 9 miniaturized antennas of 3 major categories with multi-band broadband, high radiation and novel structures, and presents the test results of their related performance parameters including the return loss, directional map, gain and efficiency. In order to address the problem of limited transmission distance of high-frequency microwave, millimeter wave, and terahertz wave, the book introduces the Radio over Fiber (RoF) technology based on radio remote, uses coherent detection at the receiving end of the RoF system to achieve linear detection of optical signals, and uses the digital signal processing (DSP) technology to compensate the transmission impairment of the signal. The book also introduces a fiber-wireless integrated transmission solution to meet the demand of bridging and repairing rings in fiber optic transmission.

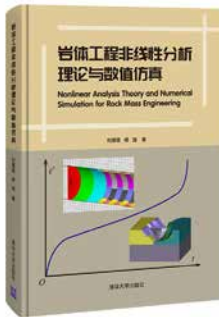
#### About Author:

余建国，北京邮电大学教授，长期从事微波、毫米波、太赫兹波、光波的研究。

YU Jianguo is Professor of Beijing University of Posts and Communication, who has long been engaged in the research of microwave, millimeter wave, terahertz wave, and optical wave.

## 岩体工程非线性分析理论与数值仿真

# Nonlinear Analysis Theory and Numerical Simulation for Rock Mass Engineering



作者：刘耀儒、杨强

Author: LIU Yaoru, YANG Qiang

ISBN: 9787302576792

Publication Date: 2021-06-01

Page Count: 372

### About the Book:

本书系统介绍了作者近些年来在岩体工程稳定性和加固措施评价方面的研究成果以及在国内重大工程中的应用。主要针对岩体工程的整体稳定性分析、加固措施评价和优化、长期安全性分析、动力情况下的安全性分析、水对岩体结构的影响相关的理论模型和分析方法进行了叙述，还对锦屏一级、拉西瓦、溪洛渡等重大工程的安全性数值仿真进行了详细介绍。

This book systematically introduces the authors' research achievements in recent years in the evaluation of stability and reinforcement measures of rock mass engineering projects and their applications in major domestic projects. It mainly presents the theoretical models and analysis methods related to the overall stability analysis, evaluation and optimization of reinforcement measures, long-term safety analysis, safety analysis under dynamic conditions, and the influence of water on rock mass. It also provides a detailed introduction to the numerical simulation of the safety of major domestic projects such as Jinping-I, Laxiwa and Xiluodu Dams.

### About Author:

刘耀儒，清华大学教授，研究领域为水工结构和岩石力学。

LIU Yaoru is Professor of Tsinghua University, with research interests in hydraulic structures and rock mechanics.

## 动力荷载下混凝土的性能

## Performance of Concrete under Dynamic Loading



作者: 李庆斌、郑丹、王海龙

Author: LI Qingbin, ZHENG Dan, WANG Hailong

ISBN: 9787302595014

Publication Date: 2022-01-01

Page Count: 212

### About the Book:

为保障大型混凝土结构在地震等动力荷载作用下的安全性耐久性,急需准确地认识混凝土材料在动力荷载下的力学特性,提供准确的材料力学参数和破坏准则,并以此为依据进行混凝土结构设计和安全性评价。本书共六章,内容包括混凝土的基本特性、破坏机理和国内外关于动力荷载下混凝土性能的研究现状;动力荷载作用下混凝土性能试验结果;动力荷载作用下混凝土的强度变化机理与分析模型;动力荷载作用下混凝土的本构模型;真实水荷载下的混凝土性能以及动力荷载作用下的混凝土性能影响因素。

In order to ensure the safety and durability of large concrete structures subjected to dynamic loading such as earthquakes, it is urgent to understand precisely the mechanical properties of concrete materials under dynamic loading, to provide accurate mechanical parameters and failure criteria of the materials, and to use them as the basis to evaluate the design and safety of concrete structures. In 6 chapters, this book first introduces the basic properties of concrete, its failure mechanism, the current research progress at home and abroad, and the test results of the performance of concrete under dynamic loading. Then it presents the mechanism of strength change of concrete under dynamic loading, related analysis models, and the constitutive model of concrete under dynamic loading. Finally, it analyzes the factors that affect the performance of concrete under real water loading and under dynamic loading.

### About Author:

李庆斌, 清华大学教授, 主要从事水工结构工程、高混凝土坝结构、大体积混凝土材料断裂等方面的研究。

LI Qingbin is Professor at Tsinghua University, who is mainly engaged in research on hydraulic structure engineering, high concrete dam structure, and fracture of concrete materials of large volumes.

## 非规则颗粒形态表征与离散元模拟方法

# Morphological Characterization and Discrete Element Modeling of Irregular-Shaped Particles



作者：苏栋、王翔

Author: SU Dong, WANG Xiang

ISBN: 9787302600930

Publication Date: 2022-03-01

Page Count: 240

### About the Book:

近年来，人们对非规则颗粒形态表征的研究经历了从定性到定量、从星形颗粒到非星形颗粒、从单一形状指标评价到整体形态重构与评价的过程；在非规则颗粒的离散元研究方面，则从间接模拟几何形态和接触作用向直接模拟转变。在这一发展过程中，基于傅里叶级数和球谐函数的计算几何方法的引入具有重要意义。本书较系统地介绍了非规则颗粒形态表征与离散元模拟方法的研究进展。全书共分为6章，包括：引言；非规则颗粒形态获取；非规则颗粒几何形态重构；非规则颗粒形态评价；非规则颗粒随机生成；非规则颗粒离散元模拟方法。

In recent years, the research on the morphological characterization of irregular-shaped particles has gone through an evolution from qualitative to quantitative study, from focusing on star-shaped particles to non-star-shaped particles, from evaluation on one single shape to reconstruction and evaluation on the overall morphology. Regarding the research on the discrete element study of irregular-shaped particles, there is a shift from indirect simulation of the geometric shapes and contact action to direct simulation. During this development, the introduction of computational geometric methods based on Fourier series and spherical harmonic functions is of great significance. This book presents the research progress on the morphological characterization and discrete element modeling of irregular-shaped particles in a systematic way. The 6 chapters of this book are: introduction; acquisition of the shape of irregular-shaped particles; reconstruction of the geometric shape of irregular-shaped particles; evaluation of the shape of irregular-shaped particles; random generation of the shape of irregular-shaped particles; and discrete element modeling of irregular-shaped particles.

### About Author:

苏栋，岩土工程领域专家，深圳大学教授，主要从事土体的宏观观力学特性等方面的研究。

SU Dong is an expert in geotechnical engineering and a professor at Shenzhen University. He is mainly engaged in research on the macroscopic and microscopic mechanical properties of soils.

## 广义协变导数与平坦时空的协变形式不变性

Generalized Covariant Derivative  
and the Form Invariance of the  
Covariance in Flat Time and Space

作者：殷雅俊

Author: YIN Yajun

ISBN: 9787302587538

Publication Date: 2021-09-01

Page Count: 312

## About the Book:

张量的微分学是不协变的，Ricci借助协变性思想，将其发展成为协变的微分学。然而，协变微分学是非公理化的，本著作通过空间域上的协变形式不变性公设，将Ricci的经典协变微分学扩展成了公理化的广义协变微分学。类似地，张量的变分学是不协变的，本著作将其发展成协变的变分学，并借助时间域上的协变形式不变性公设，将协变变分学发展成了公理化的广义协变变分学。

The differentiation of tensor is non-covariant, and Gregorio Ricci-Curbastro developed it into a covariant differentiation with the help of the covariance concept. Yet, the covariant differentiation is non-axiomatized. This work develops Ricci's classical covariant differentiation into an axiomatized generalized covariant differentiation relying on the postulate of the invariance of form of the covariance in space. Similarly, since the variation of tensor is non-covariant, this work develops it into a covariant variation, and, then further into an axiomatized generalized covariant variation relying on the postulate of the invariance of form of the covariance in time.

## About Author:

殷雅俊，清华大学教授，研究方向为生物微纳米力学与几何。

YIN Yajun is Professor at Tsinghua University, whose main research interests are bio, micro and nano-mechanics and geometry.

## 伽罗瓦群论之美——高次方程不可根式求解证明赏析

### The Beauty of Galois Group Theory—Appreciating the Proof of the Insolubility of Higher Degree Equations



作者：盛新庆

Author: SHENG Xinqing

ISBN: 9787302578024

Publication Date: 2021-06-01

Page Count: 132

#### About the Book:

本书试图用通俗的语言清晰、完整地阐释求解高次方程不可根式的秘密，并通过与绘画、诗歌等艺术创作进行比较，进一步揭示群论的力量之源、思想的特质和力量，以及创造力之源。本书旨在对伽罗瓦群论的力量进行透彻且完美的阐释，深入剖析人类的创造，探索数学与艺术的共源性。全书逻辑清晰，结构明了，共分为20章。

This book attempts to explain the secrets of the insolubility of higher degree equations in a clear and complete way and in layman's terms. Then by comparing group theory and artistic creation including painting and poetry, the book further reveals the source of power of group theory, its qualities and power of thought, as well as the source of creativity. This book aims to provide a thorough and perfect explanation of the power of Galois group theory, analyze in-depth human's creativity, and explore the common source of mathematics and art. The book is logically and clearly structured in 20 chapters.

#### About Author:

盛新庆，北京理工大学教授。

SHENG Xinqing is Professor of Beijing Institute of Technology.

## 英汉图像工程辞典（第3版）

## An English-Chinese Dictionary of Image Engineering (Third Edition)



作者：章毓晋

Author: ZHANG Yujin

ISBN: 9787302565147

Publication Date: 2021-08-01

Page Count: 1696

## About the Book:

本书是对图像工程学科中最基本和最常用的10000多个概念和术语进行定义、介绍、注释和解读的辞典。该学科领域的入门者将可得到整个图像工程的整体概貌以及基础知识。该学科领域的教授者将可获得完整的图像工程体系。该学科领域的工作者将可跟踪和了解图像工程的新进展。本书对每个词目，均开始先给出严谨概括的定义，进而逐步解释和分析；对所涉及的技术方法，配合图表和公式给出了原理和步骤。

This dictionary provides the definition, introduction, annotation and interpretation of over 10,000 of the most basic and commonly used concepts and terms in image engineering. From this dictionary, beginners will be able to obtain an overview and learn the basics of image engineering, teachers will be able to obtain a complete knowledge system of the subject, and other people working in the field will be able to follow and understand the latest advances in image engineering. For each term, the dictionary provides a rigorous and general definition, followed by step-by-step explanations and analysis. For the technical methods involved in the terms, it explains the principles and steps with diagrams and formulas.

## About Author:

章毓晋，清华大学教授，主要研究方向为图像工程。

ZHANG Yujin is Professor at Tsinghua University. His main interest is image engineering.

## 现代肝癌诊断治疗学（第2版）

### Modern Diagnosis and Treatment of Liver Cancer (Second Edition)



作者：芮静安、吴健雄、李志伟

Author: RUI Jingan, WU Jianxiong, LI Zhiwei

ISBN: 9787302466178

Publication Date: 2021-01-01

Page Count: 780

#### About the Book:

这是一本关于肝癌的专著。它不仅详尽介绍了肝癌诊断与治疗的基础理论，如原发性肝癌相关的解剖学、分子细胞生物学、流行病学、病因学及病理学，而且重点阐述了肝癌临床诊治的新进展。另外，本书对肝功能检测及评价、影像学，以外科切除为主的综合治疗和局部疗法，均有深入的论述。对于各种类型的肝切除术、介入治疗、肝移植、放射治疗、核素治疗、化学抗癌药物治疗和中医中药治疗，以及肝癌的复发与转移，也作了详细的论述。

This monograph on liver cancer not only introduces in detail the basic theories of diagnosis and treatment of liver cancer, such as the anatomy, molecular cell biology, epidemiology, etiology and pathology of primary liver cancer, but also focuses on the new advances in clinical diagnosis and treatment of liver cancer. It then discusses in-depth liver function testing, evaluation and imaging, as well as comprehensive treatment and local therapies based on surgical resection. It also includes detailed discussions on various types of hepatectomy, interventional therapy, liver transplantation, radiation therapy, radionuclide therapy, chemical anticancer drug therapy and traditional Chinese medicine therapy, as well as recurrence and metastasis of liver cancer.

#### About Author:

芮静安，协和医院主任医师，教授，中国现代医学治疗肝癌第一人。

RUI Jingan was Chief Physician and Professor at Peking Union Medical College Hospital, and the first person in China to treat liver cancer with modern medicine.



## 冠状病毒家族肺炎病理与影像

### Pathology and Imaging of Pneumonia Caused by the Coronavirus Family



作者：李宏军、陆普选、马迎民

Author: LI Hongjun, LU Puxuan, MA Yingmin

ISBN: 9787302578918

Publication Date: 2021-06-01

Page Count: 220

#### About the Book:

本书分为四篇十八章，即基础和临床、影像学诊断与鉴别诊断、诊治与预防和消毒与防护4篇，内容涵盖病原学、流行病学、病理、临床诊断与治疗、影像、预防及预后的经验及研究成果，是一本较系统、全面的叙述冠状病毒感染所致疾病的专著。本书为国内外首部同时包括SARS、MERS、COVID-19 这三种由冠状病毒感染所致疾病的影像学专著。

This book is divided into 4 parts and 18 chapters. The 4 parts are entitled: basic information and clinical picture; imaging and differential diagnostics; diagnosis, treatment and prevention; as well as disinfection and prevention. Covering the experience and research results in the etiology, epidemiology, pathology, clinical diagnosis and treatment, imaging, prevention and prognosis of coronavirus, this book is a systematic and comprehensive introduction to the diseases caused by coronavirus, and the first monograph in China and the world that includes the imaging of SARS, MERS, and COVID-19, three diseases caused by coronavirus all at the same time.

#### About Author:

李宏军，教授，首医附属北京佑安医院影像中心主任，从事感染与炎症影像诊断。

LI Hongjun is a professor and the Director of the Imaging Center of Beijing Youan Hospital of Capital Medical University. He specializes in diagnostic imaging of infection and inflammation.

## 全内镜脊柱外科学(英文版)

### Full-endoscopic Spine Surgery (English Version)



作者: 李振宙、塞巴斯蒂安·吕滕

Author: LI Zhenzhou, Sebastian Ruetten

ISBN: 9787302569718

Publication Date: 2021-03-01

Page Count: 560

#### About the Book:

本书主要介绍经皮脊柱内镜手术的一些学科内容,包括脊柱解剖\脊柱疾病\脊柱相关手术过程和手术技巧。本书的设置能让读者有效缩短在经皮脊柱内镜技术方面的学习曲线。

This book is an introduction to the percutaneous endoscopic spinal surgery, including the procedures and techniques of spinal anatomy and other surgeries to treat spinal disorders. The book will enable readers to effectively shorten the learning curve in percutaneous endoscopic spinal techniques.

#### About Author:

李振宙, 解放军总医院第一附属医院脊柱外科主任医师。

LI Zhenzhou is Chief Physician at the Department of Spine Surgery of the First Affiliated Hospital of China PLA General Hospital.

## 智能中医信息处理技术与应用（英文版）

### Intelligent Information Processing Technology and Application of Traditional Chinese Medicine (English Version)



作者：阿孜古丽·吾拉木、谢永红、张德政  
Author: WULAMU Aziguli, XIE Yonghong,  
ZHANG Dezheng

ISBN: 9787302582861

Publication Date: 2021-08-01 Page Count: 212

#### About the Book:

中医作为中华民族的瑰宝，被国人和世界所认同。数据挖掘、知识表示、自然语言处理、知识获取、推荐算法等技术已经成为计算机技术与中医领域结合的技术核心。作者团队在中医领域进行了10余年的应用研究，对名老中医经验传承、中医基础理论及中国象科学观等有较深入的理解和认识，形成了一系列的中医数据处理、知识获取、知识库构建及智能辅助诊断的相关技术。本书聚集中医医案数据处理技术、中药数据处理技术、基于中医数据的知识获取技术、基于中医文献的知识获取技术以及中医知识在智能辅助诊断系统中的应用。

The past decades have witnessed the rapid advancements of computational intelligence techniques, including big data, machine learning, and knowledge engineering, in both industrial and academic communities. Specifically, with the diffusion of some computing paradigms such as natural language processing, knowledge graph, reasoning decision, it promotes the computer-assisted diagnosis and treatment in Traditional Chinese Medicine (TCM). Through the integration of our research achievements in the field of intelligent information processing on TCM over the last decade, this book introduces the data processing technologies in TCM medical records and TCM medication, the medical records-based knowledge acquisition, the text-based knowledge acquisition, and the applications of TCM knowledge.

#### About Author:

阿孜古丽·吾拉木，北京科技大学教授，主要研究方向为知识图谱、深度学习等。

WULAMU Aziguli is Professor at University of Science and Technology Beijing. Her main research interests include knowledge graph and deep learning.

## 中药基础理论(英文版)

# Traditional Chinese Medicine (English Version)



作者: 秦培武、马岚、于冬梅

Author: QIN Peiwu, MA Lan, YU Dongmei

ISBN: 9787302591122

Publication Date: 2021-11-01

Page Count: 148

### About the Book:

本书籍主要介绍中医哲学基础、中医基础理论,系统概括了中药诞生的理论基础、发展历史、未来发展趋势。总结了中药在中国历史发展过程中发挥的重要作用,在疾病修复带来的巨大效果,在未来科技面前的应用前景。中药诞生于哲学,随着中国文化的发展而蓬勃发展至今,给无数患者带来了福音。本书籍也系统介绍了中药基础理论的具体应用场景,如望闻问切等诊断手段,经脉、穴位等具体位置;同时,也概括了中药与虚拟现实、人工智能相结合发挥出的强大效果。

This book introduces the philosophical foundation and the basic theories of Traditional Chinese Medicine (TCM), which outlines, in a systematic way, its theoretical basis, history, and future development trend. It summarizes TCM's important role in Chinese history, its great effect in treating diseases, and its application prospect in the face of future technology. Originated from Chinese ancient philosophy, TCM has flourished with the development of Chinese culture to date, bringing good health to countless patients. This book also systematically introduces the application scenarios of TCM's basic theories; the four methods of diagnosis including observation, auscultation and olfaction, inquiry, and pulse feeling and palpation; and the positions of meridians and acupoints. In the end of the book, it outlines the more powerful effects that TCM will bring about when it is assisted with virtual reality and artificial intelligence.

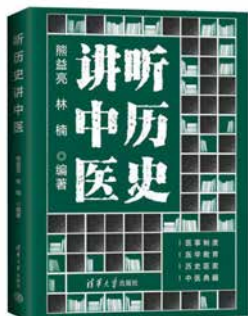
### About Author:

秦培武,清华大学助理教授,研究领域是光学成像、生物医学及中医图像处理。

QIN Peiwu is Assistant Professor at Tsinghua University. His research interests are optical imaging, biomedicine and TCM image processing.

## 听历史讲中医

## History of Traditional Chinese Medicine



作者：熊益亮、林楠

Author: XIONG Yiliang, LIN Nan

ISBN: 9787302583035

Publication Date: 2021-04-15

Page Count: 360

## About the Book:

中医是中国传统文化的重要组成部分。传统史籍中记载了大量的中医学史料，因而使得中医学与史学之间存在着密切的联系。对史籍中的中医历史发展文献进行系统的整理和研究，对探究史学与中医学的关系有着重要的作用，有利于中医的传承与发展。本书首次对我国古代重要史籍，比如二十六史、通志类史著、通考类史著等作品中的中医药文献资料进行整理与研究，为读者呈现出了古代各个历史时期的中医药文化的发展脉络。

Traditional Chinese Medicine (TCM) is an important part of traditional Chinese culture. There are a wealth of records about TCM in Chinese historical documents, creating a close link between TCM and historical studies. It is highly important for the exploration of the relationship between TCM and historical studies, and beneficial to the inheritance and development of TCM, to systematically sort out and study the historical records regarding the development of TCM among historical documents. This book is the first in organizing and studying the literature on TCM in the most important books in ancient China, including the Twenty-Six Histories, the general chronicles of Chinese history and the general compilations of the policies, systems and laws in ancient dynasties. In this way, the book presents readers with the development of TCM in all time periods of ancient times.

## About Author:

熊益亮，北京中医药大学讲师，从事中医药文献及中国传统文化的研究教学。

XIONG Yiliang is Lecturer at Beijing University of Chinese Medicine. He specializes in the research and teaching of TCM literature and traditional Chinese culture.

林楠，福建中医药大学教授。

LIN Nan is Professor of Fujian University of Traditional Chinese Medicine.

## 医学遗传学（英文版）（留学生与双语教学用）

### Medical Genetics (English Version for International Students or Students of Bilingual Education Programs)



作者：夏米西努尔·伊力克、汤华、温得中

Author: YILIKE Xiamixinuer, TANG Hua, WEN Dezhong

ISBN: 9787302568841

Publication Date: 2021-07-01 Page Count: 168

#### About the Book:

本书共分14个部分，其中包括11章，包括绪论、孟德尔遗传定律、遗传学基础、单基因病、线粒体病、多因子遗传、人类染色体、染色体疾病、生物化学遗传学、遗传病诊断、遗传病治疗以及医学遗传学总复习、模拟试题、《医学遗传学实验指导》和《医学遗传学实验报告》。每一章包括教学目的、教学要求、要点、内容、名词解释、填空、判断、选择题、简答题及其答案。

The textbook is arranged in 14 parts, including 11 chapters, model tests, medical genetics laboratory guide, and medical genetics laboratory report. The 11 chapters are the introduction, Mendel's Law of Inheritance, fundamentals of genetics, single gene disorders, mitochondrial disorders, multifactorial inheritance, human chromosomes, chromosomal disorders, biochemical genetics, diagnosis of genetic diseases, treatment of genetic diseases, and overall review of medical genetics. Each chapter consists of the teaching objectives and requirements, key points, content, term explanations, and exercises of various types including fill-in-the-blank, true-or-false, multiple-choice and short answer questions and their answers.

#### About Author:

夏米西努尔·伊力克，教授、新疆自然科学专家，从事留学生教学。

YILIKE Xiamixinuer is a professor and natural science expert in Xinjiang with rich experience in teaching international students.

## 医学有机化学（英文版）（留学生与双语教学用）

### Medical Organic Chemistry (English Version for International Students or Students of Bilingual Education Programs)



作者：吕伟、孙艳华

Author: LV Wei, SUN Yanhua

ISBN: 9787302577843

Publication Date: 2021-08-01

Page Count: 160

#### About the Book:

本书包括有机化学的烷烃、烯烃、炔烃和芳香烃等烃类，含氧化合物的醇、酚、醚、醛、酮、羧酸类和羧酸类的衍生物，含氮化合物的胺类和酰胺类。同时，用独立章节介绍有机化合物的同分异构体现象，尤其是光学异构现象；最后介绍了四大类与生物体组成密切相关的化合物——糖类、蛋白质、脂类和核酸。

The book introduces hydrocarbons including alkanes, alkenes, alkynes and aromatic hydrocarbons; oxygen compounds such as alcohols, phenols, ethers, aldehydes, ketones, carboxylic acids and derivatives of carboxylic acids; and nitrogen compounds including amines and amides in organic chemistry. It uses a chapter to elaborate on the isomerism, especially the optical isomerism, in organic compounds. In the final chapters, the book presents the four major classes of compounds closely related to the composition of living organisms—sugars, proteins, lipids and nucleic acids.

#### About Author:

吕伟，天津医科大学教授，长期从事留学生有机化学教学工作。

LV Wei is Professor of Tianjin Medical University, with long-time experience in teaching international students organic chemistry.

## 医学基础化学（英文版）（留学生与双语教学用）

### Medical Basic Chemistry (English Version for International Students or Students of Bilingual Education Programs)



作者：陈正华、曹海燕、乔华

Author: CHEN Zhenghua, CAO Haiyan, QIAO Hua

ISBN: 9787302577850

Publication Date: 2021-08-01

Page Count: 156

#### About the Book:

医用基础化学是一门公共基础课，主要介绍与医学有关的化学知识。学习该课程有利于后续课程的学习，能为学生将来的医学研究和临床工作打下坚实的基础。编者根据医学生的专业特点和需求，结合留学生的语言水平和学识基础，由浅入深地系统介绍化学基础知识。本书通过讲述化学在医学研究和临床中的应用，以期弥补其它教材的不足。

Medical basic chemistry is a basic course focusing on the basics of medical chemistry for students of all medical majors. It is a foundational course for students' future studies, medical research and clinical work. Based on the characteristics and requirements of medical majors, as well as international students' language and knowledge of related subjects, the editors explain the basics of chemistry in a gradual and systematic way. The textbook also introduces the application of chemistry in medical research and clinical practice with the aim to make up for the shortcomings of other textbooks.

#### About Author:

陈正华，天津医科大学副教授，从事医用化学本科生、留学生教学，具有多年的英文授课经验。

CHEN Zhenghua is Associate Professor of Tianjin Medical University, with years of experience teaching undergraduate and international students of medical chemistry in English.



## 医学基础化学实验与学习指导（英文版）（留学生与双语教学用）



### Laboratory Experiments and Study Guide to Accompany Medical Basic Chemistry (English Version for International Students or Students of Bilingual Education Programs)

作者：刘睿、陈正华

Author: LIU Rui, CHEN Zhenghua

ISBN: 9787302590286

Publication Date: 2021-09-01

Page Count: 132

#### About the Book:

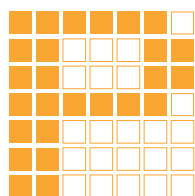
About the Book: 本书是一门公共基础课的实验教材，主要介绍与医学有关的化学实验知识。编者根据医学生的专业特点、需求，结合留学生的语言特点和自身学识基础，由浅入深系统的介绍化学基础实验知识，同时讲述化学在医学研究和临床中的应用技术。

This is a textbook focused on the basic knowledge of medical chemistry experiments for students of all medical majors. Based on the characteristics and requirements of medical majors, as well as international students' language and knowledge of related subjects, the editors explain the basics of chemistry experiments in a gradual and systematic way, and introduce the application of chemistry in medical research and clinical practice.

#### About Author:

刘睿，天津医科大学副教授，自2000年参与来华留学生英语授课工作。

LIU Rui is Associate Professor at Tianjin Medical University, who has been teaching international students in English since 2000.



**科普 少儿**  
**Popular Science and**  
**Children's Books**

## 一只早飞千年的鸟：中国古代气象观测与测量科技



## An Early Bird: the Meteorological Observation and Measurement Technologies in Ancient China

作者：黄卫 著 黄缨童 绘

Author: (Text) HUANG Wei,

(Illustration) HUANG Yingtong

ISBN: 9787302594925

Publication Date: 2022-01-01 Page Count: 252

## About the Book:

本书以讲述中国古代气候观测和测量科技在世界气象科技史上的先进性为主，并观想当时的历史及人物背景，以视觉系统设计科技信息图展现测风神器“相风铜乌”，古代测量雨量的工具天池盆、圆罍，从“琴弦测湿”到“挂炭天平”再到“鹿筋吸湿”等各种观测和测量风、雨、雷电、温度、湿度和古气象台等的装置和科技。

This book mainly introduces the world-leading meteorological observation and measurement technologies in China in ancient times. The authors, after studying and visualizing the historical background and the profile of related characters, draw infographics, with vision systems, to illustrate all kinds of ancient technologies and instruments to measure wind, rain, thunder, temperature, and humidity, as well as ancient weather stations. The examples include the weather vane “Xiang Feng Tong Wu” (“Bronze Wind-indicating Crow”); the rain gauges “Tianchi Pen” (“Tianchi Basin”) and “Yuan Ying” (“Round Jar”); and the humidity-measuring techniques, such as observing the tightness of strings of musical instruments, weighing charcoal on a balance, and watching the changes of dry deer tendons when they absorb moisture in the atmosphere.

## About Author:

黄卫，中国科普作家协会会员，获评第五届中国科普作家协会优秀科普作品奖（图书类）银奖。

HUANG Wei is a member of China Science Writers Association (CSWA) and won the Silver Medal in the Fifth Outstanding Popular Science Work Award of CSWA.

## 中国味道:香料与调料的博物学

### Aromas of China: A Natural History of Spices and Condiments



作者: 周文翰

Author: ZHOU Wenhan

ISBN: 9787302604303

Publication Date: 2021-10-01

Page Count: 262

#### About the Book:

本书带领读者进入香料、调料构成的色香味世界,介绍在中国文化中以及世界文明史上扮演过重要角色的神奇香料,并讲述了香料之路上的传奇故事。檀香、沉香、花椒、胡椒……这些散发出氤氲的气味、让人沉迷的物质曾深刻地影响了人类的行为,从对祖先的敬拜、食物的调制到两性的取悦、疾病的治疗,不一而足。人们曾为获取它们付出巨量的金钱、精力乃至生命,兴起众多城邦和海港,开启地理大发现的航程。香料的生产、加工、运输、销售和消费等诸多环节也上演了许多人间戏剧。香料的历史也是人类文明史的一个侧面。

This book takes readers into the world of spices and condiments, where they can read introduction of the magical spices that have played such an important role in Chinese culture and in the history of global civilization, and stories that once happened on the “Spice Road”. Spices such as sandalwood, Chinese eaglewood, pepper, and Sichuan pepper, which give off warm and sensuous aroma, have profoundly influenced human behavior, from worshipping ancestors, cooking food, to arousing sexual desire, and healing illness. To acquire them, humans have paid a fortune, a great deal of energy, and even life; built city states and seaports; and set out on the voyages of the great geographical discoveries. There are plentiful dramatic stories in the production, processing, transportation, sale, and consumption of spices too. The history of spices is in fact a profile of human civilization.

#### About Author:

周文翰,作家、艺术和建筑评论家、博物学家。

ZHOU Wenhan is a writer, an art and architecture critic and a naturalist.

## 脑洞大开的哲学简史



## A Mind-blowing Brief History of Philosophy

作者：七格

Author: Qi Ge

ISBN: 9787302567745

Publication Date: 2021-01-01

Page Count: 248

## About the Book:

哲学一直给人一种远在云端的感觉，很多人对哲学总有刻板印象，认为哲学太过玄奥，读不读哲学对自己没有多少影响。但其实这种高高在上的哲学是被经院化和学科化了的，这是对哲学原来面貌的最大扭曲！七格说，哲学与我们的距离并不遥远。哲学家可以很有趣，哲学可以很“普遍”。哲学其实与我们的生活息息相关，它可以启发我们从不同的角度看待生活中的问题。本书带你走近60位哲学先贤，了解他们的人生经历和哲学思想。

To many people, philosophy is all Greek. A common stereotype or misconception is that philosophy is so abstruse and abstract that grasping it or not make little difference to ordinary people. This view of philosophy as something out of touch with people's daily lives emerges because philosophy has been turned into a mere academic subject or school discipline. It is in fact the biggest misunderstanding of the true nature of philosophy. Qi Ge, the author, believes that philosophy is not distant from life. Philosophers can be interesting, and philosophy can be "ubiquitous". Philosophy is truly relevant to our lives. It can inspire us to look at real life issues from different angles. This book will introduce you to 60 philosophers, their life stories and philosophies.

## About Author:

七格，作家、编剧、业余插画师，擅长以讲故事的方式评述哲学史、解读大师观点。

QI Ge is a writer, screenwriter and amateur illustrator, who is good at commenting on the history of philosophy and interpreting the views of the great philosophy masters in a story-telling way.

## 与鹤共舞：丹顶鹤的隐秘世界

### Dance with Red-crowned Cranes: the Secret World of Red-crowned Cranes



作者：王克举

Author: WANG Keju

ISBN: 9787302586067

Publication Date: 2021-07-01

Page Count: 148

#### About the Book:

本书是作者跟踪拍摄丹顶鹤7年的研究成果。其中精选150多个镜头，讲述了两只丹顶鹤从相知相恋，到共同组建家庭，直至生离死别的凄美爱情故事。情节起伏跌宕，既有浪漫的献花，也有激烈的争斗、不幸的伤残、未知的命运……在讲述故事的同时，作者全面介绍了丹顶鹤觅食、栖息、求偶、营巢、育雏、迁徙以至死亡的科普知识，并科学解读了“黄鹤”的由来、“鹤顶红”与毒药。

The book is a collection of 150 photos of red-crowned cranes that the author took during the span of 7 years. Through these carefully-selected photos, he tells the tragic love story of two red-crowned cranes, from the moment they met each other, fell in love, started a family, till the end when death did them apart. There were many ups and downs in their lives, which included romantic flower sending, and also fierce fights, unfortunate wounds, and unknown fates...While telling the story, the author introduces the entire life cycle of red-crowned cranes, including how they search for food, roost, court mates, build nests, nurture children, migrate and die. He also explains the origin of the legends about “yellow crane”, and the famous poison in ancient China—“He Ding Hong”, literally translated as “Crane Crown Red”, a nickname for arsenic trioxide.

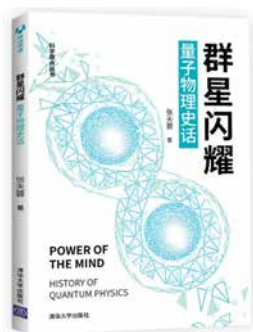
#### About Author:

王克举，中国知名的环保人士、黑龙江扎龙梦鹤苑鹤类保护宣教中心主任。

WANG Keju is a well known Chinese environmentalist and Director of the Protection and Education Center of Cranes, Mengheyuan Park, Zhalong Natural Reserve, Heilongjiang Province.

## 群星闪耀：量子物理史话

## Power of the Mind: History of Quantum Physics



作者：张天蓉

Author: ZHANG Tianrong

ISBN: 9787302565048

Publication Date: 2021-08-01

Page Count: 196

## About the Book:

量子力学的建立及发展过程不愧为一个奇迹，其历时之久、人物之众、概念之深、争论之剧，都是科学史上前所未有的。作者以章回体结构、非常生动的语言，描述了科学家们如何颠覆性地从无到有，创建量子物理学的过程，读起来让人欲罢不能。读者从本书中不仅可以了解到量子力学诞生和发展的来龙去脉，也能学到量子力学的基本概念和知识，并从众多科学家们创建和发展量子力学的思考过程中，体会科学精神，明白科学方法，同时了解科学研究之艰辛，学会像物理学家们一样思考。

The establishment and development of quantum mechanics is without doubt a miracle. The time it lasted, the number of people it involved, the profoundness of its concepts and the intensity of disagreement it caused are unparalleled in the history of science. Imitating the Zhanguhiti Style of classic Chinese novels, a style in which each chapter is headed by a couplet giving the gist of its contents, the author narrates in vivid and compelling language how scientists made such a disruptive breakthrough creating quantum physics from scratch. From this book, readers will not only understand the birth and development, but also learn the basic concepts and knowledge of quantum mechanics. Also, from the scientists' thinking process while they were creating and developing quantum mechanics, readers would be able to understand the scientific spirit, methods, and the difficulties of conducting scientific research. Readers can also learn how to think like a physicist.

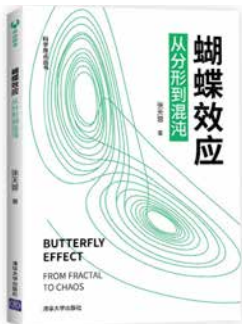
## About Author:

张天蓉，科普作家，博士，研究方向黑洞辐射、费曼路径积分等。

ZHANG Tianrong is a science writer, Ph.D. in theoretical physics with research interests in black hole radiation and Feynman path integrals.

## 蝴蝶效应：从分形到混沌

### Butterfly Effect: from Fractal to Chaos



作者：张天蓉

Author: ZHANG Tianrong

ISBN: 9787302567318

Publication Date: 2022-02-01

Page Count: 208

#### About the Book:

有人将分形和混沌理论誉为继相对论和量子力学之后的20世纪物理学的第三次革命。本书首先描述了各种分形的基础知识和特性，包括线性迭代产生的分形，以及非线性迭代产生的曼德勃罗集、朱利亚集等。然后，遵循混沌现象发展的历史，通过讲述庞加莱的三体问题、洛伦茨的蝴蝶效应等，将读者带进神奇混沌理论的天地中。再进一步通过对一个简单混沌系统—逻辑斯蒂映射的探讨，详细介绍分岔理论、稳定性、及费根鲍姆普适常数等概念。本书后半部分，介绍了分形和混沌在各个领域的应用及前景。

The theory of fractals and chaos has been hailed as the third revolution in physics in the 20th century after relativity and quantum mechanics. This book begins with an introduction of the basic knowledge and characteristics of different fractals, including the fractals generated by linear iteration, as well as the non-linear iteration of the Mandelbrot set, Julia set and so on. Then, following the development history of chaotic phenomena, the book brings readers into a magical world of the theory of chaos, in which it first explains Poincaré's three-body problem and Lorentz's butterfly effect, and then, through the discussion of a simple chaotic system—the Logistic map, it introduces in detail the concepts of bifurcation theory, stability and Feigenbaum universal constant. In the final part, the book lists the application and analyzes the prospects of the theory of fractals and chaos in different fields.

#### About Author:

张天蓉，科普作家，博士，研究方向黑洞辐射、费曼路径积分等。

ZHANG Tianrong is a science writer, Ph.D. in theoretical physics with research interests in black hole radiation and Feynman path integrals.



## 九天揽月：太空探索史话

## The Great Adventure: History of Space Exploration



作者：张天蓉

Author: ZHANG Tianrong

ISBN: 9787302572893

Publication Date: 2021-10-01

Page Count: 232

## About the Book:

本书展示在探索太空这场征途中人类都做了哪些了不起的事情，人类文明有哪些改变。通过介绍妙趣横生和震撼人心的故事，使读者认识人类航天的历史脉络，从古代的飞天传奇到大国之间的太空探索竞赛，同时也让读者理解探索太空对人类、国家和个人的现实意义。作者不只是停留在航天知识和历史，带读者走进更宽广的物理和宇宙图景，让读者了解：人类对星辰大海有何更深入的理解？如何重新解读太阳系和银河系，如何认知那些遥远的神秘天体？太空探索如何改变人类的生活和思维方式？

The book presents the extraordinary endeavour that humans have made for the great adventure of space exploration, and how human civilization has changed in this quest. Through intriguing and moving stories, the author helps readers get to know the history of human's space exploration, from the ancient legend of flying apsaras to the space competition among great powers, and at the meanwhile, understand the practical significance of space exploration to human beings, countries and individuals. The author does not limit herself to introduction of the knowledge and history of space, but takes readers into a broader physical and cosmological world, so that they can understand: What have we humans recently learnt about the stars and the universe? How do we reinterpret the Solar System and the Milky Way? How do we identify mysterious distant celestial objects? How does space exploration change the way we live and think?

## About Author:

张天蓉，科普作家，博士，研究方向黑洞辐射、费曼路径积分等。

ZHANG Tianrong is a science writer, Ph.D. in theoretical physics with research interests in black hole radiation and Feynman path integrals.

## 时空本质：相对论的故事

### Space and Time: the Story of Relativity



作者：张天蓉

Author: ZHANG Tianrong

ISBN: 9787302572909

Publication Date: 2021-08-01

Page Count: 196

#### About the Book:

“世界上可能只有12个人能够看懂相对论，”爱因斯坦曾说。但本书可让每一个人都能看懂相对论。本书从理论物理的发展历史出发，为我们讲述爱因斯坦和他的相对论；从牛顿力学等经典理论碰到的困难引出爱因斯坦建立相对论的思考和历史过程。并着眼于追寻自然和宇宙的本质问题，包括在科研前线的科学家正在思考、解决的问题。此外，你也可以读到相对论的应用，与相对论相关的天文学、宇宙学方面的前沿。全书使读者在读懂相对论时也体会到“认识自然规律、探索大自然造物秘密”的科学方法，激发人们对理想和美的追求。

“Perhaps only 12 people in the world can understand relativity,” said Albert Einstein. Yet this book is attempting to make relativity accessible to everyone. Opening with the history of theoretical physics, the author introduces to you Albert Einstein, his theory of relativity, and his thinking process while establishing the theory and the historical background, from the problems in classical theories such as Newtonian mechanics. The author also highlights the most essential questions of the nature and the universe, including a number of problems that frontline scientists have been thinking and solving lately. You will also read about the application of relativity, and the astronomical, cosmological frontiers regarding relativity. Besides understanding the theory of relativity, this book will share with you the scientific methods to understand the laws of nature and explore the secrets of how nature creates everything, thus inspiring you to pursue ideals and beauty.

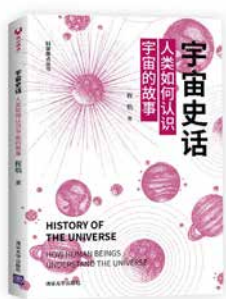
#### About Author:

张天蓉，科普作家，博士，研究方向黑洞辐射、费曼路径积分等。

ZHANG Tianrong is a science writer, Ph.D. in theoretical physics with research interests in black hole radiation and Feynman path integrals.

## 宇宙史话：人类如何认识宇宙的故事

## History of the Universe: How Human Beings Understand the Universe



作者：程鄂

Author: CHENG E

ISBN: 9787302567523

Publication Date: 2022-02-01

Page Count: 336

## About the Book:

本书蕴含着两个互相独立又错综交合的历史故事。其一是作为客观世界的宇宙，它有一个时间上的起点，有自己的演化历史，经历了大爆炸、暴胀、膨胀及加速膨胀等过程。其二是人类通过几百年的仰望星空，几代天文学家、物理学家的不懈努力，最终认识宇宙的结构及变迁的经过。在这之后的历史中，不仅有哥白尼、伽利略、爱因斯坦、哈勃等耳熟能详的明星，更有诸如弗里德曼、勒维特、勒梅特、伽莫夫、胡马森、兹威基、霍伊尔等许多被忽略的角色。他们独特的背景、性格、经历构成了人类认识宇宙的历史。

The book contains two separate yet intertwined historical stories. One is about the history of the universe. As the objective world, the universe has a starting point in time, has its own history of evolution, and has experienced the Big Bang, inflation, expansion and accelerated expansion. The second is the history of human beings' understanding of the universe. Looking up at the sky for hundreds of years, human beings, through the tireless efforts of several generations of astronomers and physicists, finally understand the structure of the universe and how it has evolved. Among those great scientists, there are well known ones such as Copernicus, Galileo, Einstein, and Hubble, and also many overlooked figures such as Friedman, Levitt, Lemaitre, Gamow, Humason, Zwicky, and Hoyle. Their unique background, character and experience constitute the history of human beings' understanding of the universe.

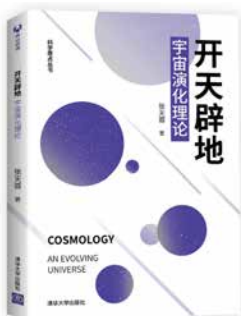
## About Author:

程鄂，博士，曾先后从事科研工作、软件开发等，现为科普、历史作家。

Cheng E, Ph.D. He used to work as scientific researcher and software developer, and is now a science and history writer.

## 开天辟地：宇宙演化理论

### Cosmology: An Evolving Universe



作者：张天蓉

Author: ZHANG Tianrong

ISBN: 9787302576051

Publication Date: 2022-05-01

Page Count: 280

#### About the Book:

本书从太阳系开始，在第一章中介绍了行星、恒星、星系等天体物理的一些基本知识。第二章介绍牛顿的宇宙图景。第三章介绍无穷的概念引起的数学和物理中的佯谬，激发读者对物理理论的哲学思考。第四章则让读者认识两个相对论的基本思想。第五章的目的让读者更深入地了解引力波。作者从天文学中的距离测量谈起，使读者了解天文学中测量技术之困难，然后，介绍引力波强度之微弱，进一步将它的各种性质与电磁波相比较，使大家认识到探测引力波的困难和重大意义。第六章则对黑洞的基本物理性质及分类进行探讨。

Opening with the Solar System, the book introduces the basic astrophysics of planets, stars, and galaxies in the first chapter, and Newton's view of the universe in the second. In the third chapter, it presents the paradox in mathematics and physics derived from the concept of infinity, which will inspire readers' philosophical thinking on the theories of physics. In the fourth chapter, the book explains the fundamental ideas of the two theories of relativity. In the next chapter, the book aims to give readers a deeper understanding of gravitational waves, starting with the distance measurement in astronomy to allow readers to understand how difficult it is, and then moving to the weakness and other properties of gravitational waves in comparison with electromagnetic waves, to illustrate the difficulty and significance of detecting gravitational waves. Finally, in the chapter six, the book discusses the basic physical properties and classification of black holes.

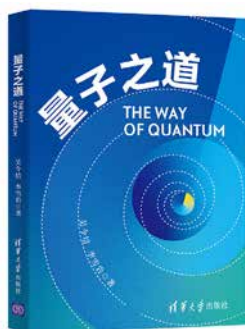
#### About Author:

张天蓉，科普作家，博士，研究方向黑洞辐射、费曼路径积分等。

ZHANG Tianrong is a science writer, Ph.D. in theoretical physics with research interests in black hole radiation and Feynman path integrals.

## 量子之道

## The Way of Quantum



作者：吴今培、李雪岩

Author: WU Jinpei, LI Xueyan

ISBN: 9787302590460

Publication Date: 2021-09-01

Page Count: 240

**About the Book:**

量子究竟是什么？应当如何理解量子理论？大多数读者无不感到困惑。本书用平实易懂的语言介绍了贯穿整个20世纪的量子思想革命，向读者完整地展示了大自然神秘的量子本性。内容涵盖量子世界神奇在哪里？量子力学是怎样产生的？大自然的真实面貌是什么？为什么量子力学颠覆了人类认知？双缝干涉实验为什么揭示了量子力学最深刻的奥秘？以及量子计算机、量子通信、量子人工智能等量子最激动人心的新应用。

What is quantum? How should we understand the quantum theory? Most readers don't have the answers. This book provides an introduction of the Quantum Revolution spanning the 20th century in simple and plain language, providing readers with a complete picture of the mysterious quantum nature of nature. It answers the questions including: Why is the quantum universe a magical world? How did quantum mechanics come about? What is nature really like? Why does quantum mechanics blow our mind? Why does the double-slit interference experiment reveal the most profound mystery of quantum mechanics? The book also shows exciting new applications of quantum theories in quantum computers, quantum communications, quantum artificial intelligence and so on.

**About Author:**

吴今培，教授，主要研究方向：智能系统与技术，系统理论与复杂性研究。

WU Jinpei is a professor who mainly studies intelligent system and technology, system theory and complexity research.

## 物含妙理总堪寻：从爱因斯坦到霍金(修订版)

### The Quest of Truth: from A. Einstein to S.W. Hawking (Revised Version)



作者：赵峥

Author: ZHAO Zheng

ISBN: 9787302594604

Publication Date: 2021-12-01

Page Count: 304

#### About the Book:

本书来源于作者长期以来开设的一个科普讲座“从爱因斯坦到霍金的宇宙”，作者用生动的演讲语言，文理交融、科普性地介绍自然科学，特别是物理学和天文学的基础知识和研究前沿，以及科学研究的曲折经历。内容包括爱因斯坦与相对论、弯曲的时空，量子论的创建与争论、原子弹与核能的和平利用、黑洞、引力波和宇宙的演化等天文学的若干知识。

The book is based on a long-running popular science lecture named From Einstein to Hawking's Universe. In the book, the author gives a vivid introduction, in layman's words with scientific facts and elegant narration, of the basic knowledge and research frontiers of natural science, particularly physics and astronomy, as well as the winding path of scientific studies. It covers Einstein and his theories of relativity and of curved space-time, the creation and debate of quantum theory, the peaceful use of atomic bombs and nuclear energy, black holes, gravitational waves and the evolution of the universe.

#### About Author:

赵峥，教授，长期从事理论物理的教学与研究。

ZHAO Zheng is a professor, and he has been engaged in the teaching and research of theoretical physics for a long time.

## 看不见的星：黑洞与时间之河(修订版)

## Invisible Star: the Black Hole and the River of Time (Revised Edition)



作者：赵峥

Author: ZHAO Zheng

ISBN: 9787302595175

Publication Date: 2021-12-01

Page Count: 232

## About the Book:

本书用尽可能通俗的语言和高级科普性的形式，介绍广义相对论、黑洞、引力波和时空理论的基本知识与研究前沿，介绍霍金、彭罗斯等人的贡献，特别是一般书中极少见到的奇点疑难和时间理论的来龙去脉及数理知识。本书是这一领域从科普到专业研究之间的桥梁。本书目标是增加公众的科学知识，提高公众的科学素养，培养青年学子的科研能力和创新能力。介绍与近年来诺贝尔物理奖有关的时空理论问题。

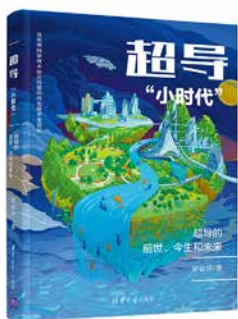
This book attempts to explain to the general public the basic knowledge and research frontiers of general relativity, black holes, gravitational waves and space-time theory; the contributions of Hawking, Penrose and other scientists; and, in particular, the history and the math of the singularity problem as well as the theories of time, which are rarely explained in most published books, in the most simple language yet in a high quality way. This book is in fact a bridge between popular science and professional studies, with the aim to increase the public's scientific knowledge, improve their scientific literacy, and cultivate the scientific research ability and innovation ability of young students. It also introduces the theories of space and time, which are related to the studies of the Nobel Prize Winners in Physics in recent years.

## About Author:

赵峥，教授，长期从事理论物理的教学与研究。

ZHAO Zheng is a professor, and he has been engaged in the teaching and research of theoretical physics for a long time.

## 超导“小时代”：超导的前世、今生和未来



## The Era of Superconductivity: the Past, Present and Future of Superconductivity

作者：罗会仟

Author: LUO Huiqian

ISBN: 9787302596042

Publication Date: 2022-01-01

Page Count: 364

### About the Book:

超导是凝聚态物质里电子体系的一种宏观量子凝聚现象，涉及凝聚态物理中的基本概念和最前沿问题。超导材料具有零电阻和完全抗磁性等一系列神奇的特性，在能源、科研、医疗、通讯等各个领域均有重要用途。在本书中，作者将用诙谐幽默且时髦新颖的语言，和我们一起回忆，那些年科学家一起追寻的超导体，还有超导历史上的那些人和那些事儿。

Superconductivity is a macroscopic quantum condensation phenomenon of electrons in condensed matter, which involves the fundamental concepts and frontier issues in condensed matter physics. Superconducting materials have a series of magical properties such as zero resistance and complete diamagnetism, and have important applications in scientific research and various sectors including energy, medicine, and communications. In this book, the author will review with us, in witty and funky language, the history of the discovery of superconductors, and the people and events in that history over the years.

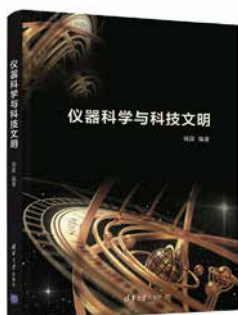
### About Author:

罗会仟，中国科学院物理研究所副研究员，科普作家。

LUO Huiqian is Associate Researcher at the Institute of Physics of Chinese Academy of Science and a science writer.



## 仪器科学与科技文明

The Science and Technology of  
Scientific Instruments

作者：钱政

Author: QIAN Zheng

ISBN: 9787302598404

Publication Date: 2022-01-01

Page Count: 320

## About the Book:

人类认识世界是从测量开始，人类科技文明的发展历史就是一部仪器科学的发展历史。全书共分10章，第1章介绍了仪器科学与科技文明的基本概念；第2章对中西方科技文明的发展历史进行了概述；第3章和第4章旨在展示基础科学研究中，仪器科学发挥出的举足轻重的作用；第5章到第8章从工程科技的角度来感悟仪器科学的重要作用；第9章描述日常生活中无处不在的仪器是如何深刻影响了我们的生活；最后一章则尝试回答三个问题：仪器科学为什么无处不在？仪器科学为什么不露锋芒？仪器科学为什么未来可期？

Humans' understanding of the world started from measurement. The history of human science and technology is in fact the history of the development of instrument science. Arranged in 10 chapters, the book opens with the basic concepts of instrument science and technology in the first chapter. In Chapter 2, the book summarizes the history of science and technology in China and in the western world. Chapter 3 and Chapter 4 are aimed at demonstrating the important role played by instrument science in basic science research, while Chapter 5 to 8 highlight the importance from the perspective of engineering science and technology. Chapter 9 describes how the ubiquitous instruments in daily life profoundly affect our lives. Finally, the last chapter attempts to answer three questions: Why is instrument science everywhere? Why is instrument science not attracting more popularity? Why is instrument science promising?

## About Author:

钱政，教授，北京航空航天大学任职。

QIAN Zheng is a professor at Beihang University.

## 薛定谔的猫：漫画大科学家的小萌宠

### Schrödinger's Cat: the Animals of Great Scientists in Comics



作者：郝志峰 超模君

Author: HAO Zhifeng, CHAO Mojun

ISBN: 9787302580539

Publication Date: 2021-06-01

Page Count: 260

#### About the Book:

本书通过漫画大科学家的10位小萌宠——薛定谔的猫、凯库勒的衔尾蛇、巴甫洛夫的狗、芝诺的乌龟、塔勒布的黑天鹅、拉普拉斯兽、洛伦茨的蝴蝶、麦克斯韦妖、斐波那契的兔子、博雷尔的猴子，一起逛漫画版科学动物园，乐着乐着就学会了不止10种物理、数学、化学、心理学、生物学等科学知识和技能。

This comic book presents 10 animals related to 10 great scientists: Schrödinger's cat, Kekule's ouroboros, Pavlov's dog, Zeno's tortoise, Taleb's black swan, Laplace's beast, Lorentz's butterfly, Maxwell's demon, Fibonacci's rabbit, and Borrell's monkey. Wandering through and laughing in this "science zoo" in comics, you will be able to learn scientific knowledge and skills from more than 10 areas, such as physics, math, chemistry, psychology, biology, and more.

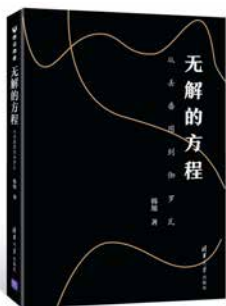
#### About Author:

郝志峰，汕头大学教授，数理哲领域科普作者。

HAO Zhifeng is a professor at Shantou University and a science writer focusing in maths, physics and philosophy.

## 无解的方程：从丢番图到伽罗瓦

### Equations without Solution: From Diophantus to Galois



作者：韩旭

Author: HAN Xu

ISBN: 9787302576044

Publication Date: 2021-07-01

Page Count: 368

#### About the Book:

本书忠实复现了现代数学的架构，展示了人类理性求索的历程，并以寻找五次方程求根公式为例，给出了完整的拆解问题，明确定义，分析抽象，演绎推理和得到答案的过程。作者以第一人称视角叙述，自然生动，同时又坚持现代数学的完整性与严密性。本书面向受过初中教育及以上的人群，旨在普及与激发理性、思辨、求索之精神。

This book faithfully reconstructs the structure of modern mathematics and presents the course of humans' rational search for answers. Taking the search for the formula for the roots of a quintic equation as an example, the book presents the complete process of breaking down problems, making clear definitions, analyzing, abstracting, deductive reasoning and getting answers. The author narrates it from the perspective of a first person, in a natural and vivid way yet with the complete and rigorous characteristic of modern mathematics. This book is intended for readers who have received a junior high school education or above, to spread and inspire rationality, critical thinking and the spirit of searching for answers.

## 科学发现历史——科技考古的故事

The History of Scientific Discovery  
— The Story of Archaeological  
Sciences

作者：后晓荣 王涛

Author: HOU Xiaorong, WANG Tao

ISBN: 9787302447993

Publication Date: 2022-02-01

Page Count: 260

## About the Book:

考古学是一门文理交叉的人文科学，有一套完整、严密的方法论，包括史前考古学、历史考古学和田野考古学等重要分支，并与自然、技术以及人文、社科等领域有着密切的关系。在现代考古工作中，越来越多的科学技术和理念广泛地应用到考古学领域。本书内容包括物探考古、水下考古、DNA考古、植物考古等方面，通过一系列科学有趣的考古案例，展现现代科技与考古研究的结合，带你体验考古的神奇魅力。

Archeology is an interdisciplinary humanities subject that requires knowledge in both liberal arts and sciences, with a complete set of rigorous methodology. It can be divided into multiple branches, the most important ones including prehistoric archeology, historical archeology and field archeology. It is closely related to nature, technology, humanities, and social sciences. As increasingly more science, technology and ideas have been applied to many aspects of modern archeology, this book presents such application through a series of interesting science-based cases in geophysical archeology, underwater archeology, DNA archeology, and paleoethnobotany, to allow readers to feel the charm of archeology.

## About Author:

后晓荣，首都师范大学教授，具有历史、考古、地理等多学科背景，丰富的田野经验和较强的文物鉴定能力。

HOU Xiaorong is Professor of History at Capital Normal University, with profound knowledge in multiple subjects such as history, archeology and geography, rich fieldwork experience and strong ability to identify cultural relics.

王涛，首都师范大学副教授，主要从事史前考古、陶器分析等领域研究。

WANG Tao is Associate Professor at Capital Normal University, who specializes in prehistoric archeology and pottery analysis.

## 大咖谈肺癌

## Specialist on Lung Cancer



作者：支修益 李治中（菠萝）

Author: ZHI Xiuyi, LI Zhizhong (Pineapple)

ISBN: 9787302594932

Publication Date: 2022-02-01

Page Count: 156

## About the Book:

本书是“菠萝”（李治中）对话肺癌专家的大咖访谈，涉及到肺癌的方方面面，比如如何对待肺结节，肺癌到底是如何得上的，如何预防，筛查。靶向治疗有哪些，免疫治疗的前沿知识，关于基因检测和精准治疗。肺癌患者的饮食应该注意什么。舒缓医疗是什么，患者该如何开始并接纳舒缓医疗。患者及家属如何面对死亡。相信一定能帮到肺癌患者和家属。

This book is a collection of the interview between Li Zhizhong (under the penname Pineapple) with the lung cancer specialist Zhi Xiuyi on everything about lung cancer including: How should we treat lung nodules? How do people get lung cancer? How can we prevent and screen for lung cancer? What is targeted therapy? What is new in immunotherapy? What are genetic tests and precision treatments? What food should lung cancer patients eat and avoid? What is palliative care, and how do patients start and accept it? How should lung cancer patients and their families face death? The book is full of valuable information without difficult to understand theories, and will certainly help lung cancer patients and their families.

## About Author:

支修益，教授，首都医科大学肺癌诊疗中心主任、首都医科大学宣武医院胸外科首席专家，从事肺癌早诊早治、外科手术和多学科综合治疗40年。

ZHI Xiuyi is Professor, Director of Lung Cancer Diagnosis and Treatment Center of Capital Medical University, Chief Specialist of Thoracic Surgery of Xuanwu Hospital of Capital Medical University. He has 40 years of experience in early diagnosis, early treatment, surgery and multidisciplinary comprehensive treatment of lung cancer.

李治中，笔名菠萝，著名科普作家，作品曾获“2015中国好书”、第十一届文津图书奖等荣誉。

LI Zhizhong, penname Pineapple, is a famous science writer, whose books were awarded the Best Chinese Book in 2015 and the 11th Wenjin Book Award.

## 癌症真相：医生也在读

### The Cancer Truth: What Doctors Are Reading Too



作者：李治中（菠萝）

Author: LI Zhizhong (Pineapple)

ISBN: 9787302585749

Publication Date: 2021-11-01

Page Count: 244

#### About the Book:

这是一本关于癌症的深度科普之作，作者菠萝曾是抗癌药物研发一线科学家，以通俗流畅又略带俏皮的语言多角度解读癌症真相、解惑关于癌症的传言、解说新闻中的癌症故事。没有虚言，只有实证，不是“养生秘籍”，不是“心灵鸡汤”，不是“癌症生物学”，让普通大众也能轻松读懂。从科学原理到个人体验，从历史经验到科学前沿，介绍预防和治疗恶性肿瘤的知识，引导读者理性面对众病之王，看懂癌症，愉快生活。

This is a profound science book about cancer. The writer, Pineapple, a former frontline cancer drug developer, explains the facts, debunks the myths and tells news stories about cancer from multiple angles in a simple, smooth yet playful language. The book is entirely evidence-based without empty words. It is not a collection of secrets to longevity or of fortunate cookie comments. Neither is it a textbook of cancer biology. It is an easy book for the general public to read and understand. From scientific theories to personal experience, from historical cases to the researches at the forefront of science, the author introduces the knowledge of prevention and treatment of malignant tumors, and helps readers understand cancer with science and live a happy life.

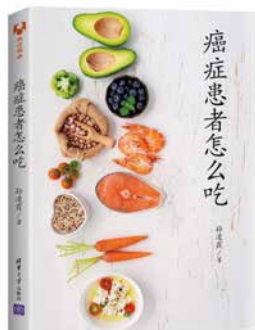
#### About Author:

李治中，笔名菠萝，著名科普作家，作品曾获“2015中国好书”、第十一届文津图书奖等荣誉。

LI Zhizhong, penname Pineapple, is a famous science writer, whose books were awarded the Best Chinese Book in 2015 and the 11th Wenjin Book Award.

## 癌症患者怎么吃

## How to Eat When You Have Cancer?



作者：孙凌霞

Author: SUNG Lingxia

ISBN: 9787302587200

Publication Date: 2022-02-01

Page Count: 284

## About the Book:

作者拥有十年临床营养工作经验，深知癌症患者在康复过程中离不开健康的饮食，科学的营养支持。本书关注癌症患者在发病、术前、术后、放化疗前后到康复的过程中的进食，告知读者一些注意事项，如“忌口”，不同的治疗应该怎么吃，如何从饮食营养的角度缓解治疗的副作用，如何甄别坊间流言，并针对不同癌种给出个性化的“营养疗法”。本书还附有简单易行的适合肿瘤患者的食谱。这是一本不可多得的癌症患者“营养圣经”，也是一本癌症患者的“食疗指南”，更是一本实用的“营养工具书”。

With ten years' clinical nutrition experience, the author fully understands that cancer patients need healthy diet and nutrition during their recovery. This book focuses on the diet of cancer patients during the cancer experience, as well as before and after operation, radiotherapy and chemotherapy. It provides tips to readers about, for example, what food cancer patients should avoid, what food patients under different treatments should eat, how can they alleviate the side effects of treatments through diet and nutrition, and how can they identify myths and facts. The book also provides differentiated “nutrition therapy” for different types of cancer, and easy recipes for cancer patients. The book is a valuable “nutrition bible”, a “diet guide” and a practical “nutrition tool book” for cancer patients.

## About Author:

孙凌霞，美国注册营养师，认证肠内肠外营养支持临床医务人员拥有十年临床营养工作经验。

SUN Lingxia is American registered dietitian, certified parenteral and enteral nutrition support clinician with ten years of experience in clinical nutrition.

## “医路同行：癌症患者康复笔记”系列（共三册）

### We're in This Together: Recovery Journals of Cancer Patients (Three Volumes)



#### About the Book:

全系列收录了一些“非典型”的真实抗癌故事，每个故事的作者是以康复者“过来人”的角色去回顾和复盘从确诊到治愈的全过程，包括发病前的症状、确诊过程、求医问药、治疗方案的选择、康复治疗、日常生活饮食起居等等，以及抗癌路上所走过的弯路、宝贵经验的总结，基本覆盖了患者从确诊到治愈过程中所遇到的所有问题。我们希望，本书能够帮助患者及家属调整心态、正视病患、燃起战胜癌症的信心；传递正确观念即癌症不可怕，理性面对，遵医嘱正规渠道治疗，杜绝偏方、神医。对患者及家属有具体到可操作层面的实用帮助。

The series collects some “atypical” true anti-cancer stories. All authors of these stories have been through a cancer journey and recovered. They review the entire experience from being diagnosed to being cured, writing down their symptoms before the onset, the process of being diagnosed, the journey of seeking medical assistance, options of treatments, treatment and recovery, daily life and diet, and summing up valuable lessons and experience during the cancer journey. The series basically covers all the situations that patients may encounter from being diagnosed to being fully cured. We hope this series will help patients and their family adjust their attitude towards cancer, take cancer seriously, and build confidence in defeating it. We wish to convey the idea that cancer is not scary, if we confront it based on science, follow doctors' advices, go to licensed hospitals for medical treatment and avoid folk remedies and quacks. This book will offer practical help and operable guide for patients and their family.



### About Author:

本系列的作者是患者或家属，他们都经历了与癌症斗争的艰辛，也深知抗癌路上的各种“坑”，他们是“过来人”，他们非常有热情和诚意分享经验与教训，希望其他患者少走些弯路，早日稳定和康复。

The authors of this series are used-to-be patients or their family members. As “survivors” that have been through the arduous fight against cancer, they are well aware of the difficulties along the journey, and are willing to share their experiences and lessons with great enthusiasm and sincerity, hoping that other patients will take fewer detours, stabilize the cancer and recover soon.

**Publication Date: 2021-02-01**

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### 本系列丛书还包括:

医路同行：乳腺癌患者康复笔记 ISBN: 9787302558248 Page Count: 200

医路同行：结直肠癌患者康复笔记 ISBN: 9787302558279 Page Count: 188

医路同行：淋巴瘤患者康复笔记 ISBN: 9787302567325 Page Count: 100

### The series include:

**We're in This Together: Recovery Journals of Breast Cancer Patients**  
ISBN: 9787302558248 Page Count: 200

**We're in This Together: Recovery Journals of Colorectal Cancer Patients**  
ISBN: 9787302558279 Page Count: 188

**We're in This Together: Recovery Journals of Lymphoma Patients**  
ISBN: 9787302567325 Page Count: 100

## 童趣二十四节气（全4册）

Twenty-four Solar Terms from  
the Perspective of Children  
(Four Volumes)

作者：吴冠英 绘

Author: (Illustration) WU Guanying

ISBN: 9787302607847

Publication Date: 2022-06-01

Page Count: 252

**About the Book:**

一部将童心、童画、童话融为一体的传统文化绘本。

本书独家收录了中国当代著名插画、连环画艺术家，清华大学美术学院教授吴冠英先生原创的5套二十四节气儿童画，具有非常高的艺术欣赏和收藏价值。120幅一流水准的精美原创画作，可作为孩子绘画启蒙、拓画、临摹、创作的一流摹本。书中的二十四节气儿童画贴近生活，充满童趣，栩栩如生，妙不可言。有这样一本书在手，能让孩子感觉如获至宝、喜出望外，让大人感觉童心未泯、爱不释手。本书精心提炼了二十四节气相关的日期、气候、农事、民俗、诗词等知识，并备注了汉语拼音，同时通过书内二维码，提供了立体化的知识拓展阅读。

A traditional culture picture series that integrate innocence, child talk and fun into simple yet touching paintings

This series exclusively collects 5 sets of original paintings of the 24 solar terms by Mr. Wu Guanying, a famous contemporary Chinese illustrator, comic strip artist, and professor at the Academy of Fine Arts and Design of Tsinghua University. The books are of high artistic and collection values. Children can learn to paint, trace, and copy or create their own works from the 120 beautiful paintings of first-class standard in the book. The illustrations of the 24 solar terms are vivid and close-to-life masterpieces full of childlike innocence. Children would be delighted by the genial warmth of the picture books. Adults would enjoy the reading experience as it awakens their naiveté and playfulness at heart. The book also presents the most essential information, with Pinyin, about the 24 solar terms, such as the dates, climate, agricultural activities, folklore, and poetry. Readers can scan the QR codes on the pages for a three-dimensional reading experience.

**About Author:**

吴冠英，清华美院教授、“福娃之父”，当代著名画家。

WU Guanying is Professor at the Academy of Fine Arts and Design of Tsinghua University, the father of Fuwa, the mascots of the 2008 Summer Olympics in Beijing, and a famous contemporary painter.

## 论语中的积极心理学（小学版）&amp;（初中版）

## Positive Psychology in the Analects of Confucius (Elementary School Edition) &amp; (Junior High School Edition)



作者：聂细刚、李莹

Author: NIE Xigang, LI Ying

ISBN: 9787302582335/9787302582342

Publication Date: 2021-07-01

Page Count: 216/232

## About the Book:

以积极心理学中的五个维度（积极自我、积极情绪、积极关系、积极成就、积极意义）为框架，以《论语》为内容依托，从积极心理学的视角出发探讨孔子在处世中体现出的积极观念与智慧，并以此为出发点，引出心理课程的主题，采取主题心理活动的形式对青少年开展心理健康教育，促进青少年学生形成健康的心理和健全的人格，获得全面和谐发展。本书的特色：文笔诙谐风趣，详略得当，契合各年龄阶段的发展方向与发展速度。

The authors discuss the positive concepts and wisdom in Confucius' philosophy from the perspective of positive psychology, using the five dimensions of positive psychology (positive self, emotion, relationship, achievement, and meaning) as the framework, and the Analects of Confucius as the text for discussion. From this, the authors introduce the theme of each psychology lesson in the book, and carry out mental health education to teenagers and children through thematic psychological activities, to help them maintain good mental health and a sound personality and achieve comprehensive and harmonious development. The book's distinctive features are that it is written with appropriate details in a witty and funny language, and that it is in line with the development direction and speed of teenagers and children of all age.

## About Author:

聂细刚，深圳市某外国语学校校长，知名专家。

NIE Xigang is Principal of a Foreign Language School in Shenzhen, and a well-known expert.

“位梦华少儿科幻系列·暗物质探索者”系列

## Explorers of the Dark Matter World: Science Fiction Series for Kids by Wei Menghua



### About the series:

在本系列作品中，作者位梦华以自己在极地探险的亲身经历为素材，用夸张、拟人、想象等艺术手法，构建了一个神秘奇异的暗物质世界，描述了科学博士和爱斯基摩男孩在暗物质世界里跌宕起伏的探索经历，再现了古代爱斯基摩人在严酷自然环境中艰难求生的历史场景，也对爱斯基摩人、北极以及全人类的未来做出了思考和展望。

In this series, the author Wei Menghua builds a mysterious and strange world of dark matter based on his own polar expedition experience combined with artistic techniques such as exaggeration, anthropomorphism and imagination. He describes the ups and downs of the Doctor of Science and an Inuit boy in the world of dark matter. He reproduces the historical scenes of ancient Inuit struggling to survive in the harsh natural environment, and looks into the future of the Inuit, the Arctic and all mankind.

### About Author:

位梦华，中国地震局研究员，教授，地质学家，中国科普作家协会会员。他十进北极，二进南极。1995年作为中国首次远征北极点科学考察总领队，把五星红旗插上了北极点。

WEI Menghua is a researcher, professor, and geologist of China Earthquake Administration, and a member of China Science Writers Association. He has been to the Arctic Pole ten times and to the Antarctic Pole twice. In 1995, as the leader of China's first expedition team to the Arctic Pole, he planted Chinese national flag on the ground.

**Publication Date: 2022-01-01**

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### 本系列包括:

超新星的威胁 ISBN: 9787302549048 Page Count: 180  
密室黄金之谜 ISBN: 9787302549055 Page Count: 180  
时空洞里的对话 ISBN: 9787302549062 Page Count: 180  
宇宙餐馆的奇遇 ISBN: 9787302549079 Page Count: 180  
揭秘暗物质世界 ISBN: 9787302549086 Page Count: 180

### This series includes:

Threat of Supernova  
ISBN: 9787302549048 Page Count: 180  
Secrets of the Gold in the Chamber  
ISBN: 9787302549055 Page Count: 180  
Conversations in a Time-space Hole  
ISBN: 9787302549062 Page Count: 180  
Adventure in the Cosmos Restaurant  
ISBN: 9787302549079 Page Count: 180  
Unveiling the Mysteries of the Dark Matter World  
ISBN: 9787302549086 Page Count: 180

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## “给孩子的科学文化课”系列

### The Science for Teenagers Series



#### About the Book:

“给青少年的科学文化课”系列是一套针对10-15岁孩子的科普文学作品。对于小学高年级和初中生来说，多学科的挑战将是压力来源之一，如何帮助他们顺利过渡？如何节省孩子宝贵的学习时间？这套书用一种全新的跨学科思维方式，详细地阐述物理、化学、地理、生物等学科的背景知识，提升孩子的科学思维层次。

作者用一条历史线索、几十位关键人物的科学创新、上百个学科知识点，讲述了地球上生命的起源和进化、人类认知宇宙的3次飞跃和数学、物理、天文等经典公式的前生后世，以及科学定律和学说是如何推动人类进步。

Science for Teenagers is a collection of popular science writings for teenagers aged 10-15. For upper elementary and junior high school students, learning multiple subjects simultaneously will be one of the sources of stress. How can we help them go through this journey more easily? How can we help them save more precious learning time? This series explains the knowledge of physics, chemistry, geography, biology and other subjects in a new interdisciplinary way to enhance children's scientific thinking level.

With a historical thread, dozens of key scientists' innovations and hundreds of subject knowledge points, the author introduces the origin and evolution of life on earth, the 3 great leaps in human understandings of the universe and the history of the classical formulas in mathematics, physics, and astronomy, and explains how scientific laws and theories have pushed forward human civilization.

### About Author:

位梦华，中国地震局研究员，教授，地质学家，中国科普作家协会会员。他十进北极，二进南极。1995年作为中国首次远征北极点科学考察总领队，把五星红旗插上了北极点。

WEI Menghua is a researcher, professor, and geologist of China Earthquake Administration, and a member of China Science Writers Association. He has been to the Arctic Pole ten times and to the Antarctic Pole twice. In 1995, as the leader of China's first expedition team to the Arctic Pole, he planted Chinese national flag on the ground.

**Publication Date: 2021-12-01**

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### 本系列包括:

生命的开关 ISBN: 9787302586708 Page Count: 152

科学的琴弦 ISBN: 9787302587101 Page Count: 180

多元的宇宙 ISBN: 9787302586692 Page Count: 188

我在南极等你 ISBN: 9787302587118 Page Count: 192

我在北极等你 ISBN: 9787302586715 Page Count: 208

### This series includes:

The Switch of Life ISBN: 9787302586708 Page Count: 152

The String of Science ISBN: 9787302587101 Page Count: 180

The Multiverse ISBN: 9787302586692 Page Count: 188

Meet You at the Arctic ISBN: 9787302587118 Page Count: 192

Meet you at the Antarctic ISBN: 9787302586715 Page Count: 208

## 不可思议的人体大探秘

### The Incredible Human Body



作者：《手术两百年》主创团队、同心童萌童书馆

Author: Major Production Team of "Two Hundred Years of Surgery", Tongxin Tongmeng Children's Book Editing Team

ISBN: 9787302577669

Publication Date: 2021-05-01 Page Count: 96

#### About the Book:

本书是面向5~12岁儿童展现人类与疾病抗争、人类探索身体的科普漫画绘本，让孩子通过看身体探索和医学故事爱上医学科普，揭开不知道的探索过程和真相，真正认识自己的身体。全书用400多张全彩漫画手绘图片和真实历史、博物馆展示图片，用通俗易懂、诙谐幽默的语言向儿童展示人类与疾病抗争、探索身体的历史过程，非常具有珍藏价值。本书另附一本《爆笑！你不知道的身体冷知识》手册，将孩子感兴趣又出乎意料的人体冷知识收纳其中。

This is a medical science picture book for children aged 5 to 12 years old that presents humans' battle against diseases and the exploration of the human body, with the aim to help children fall in love with medical science through reading the secrets of human and stories of medical science, exploring the unknown and the truth, and truly understanding their own bodies. With more than 400 full-color hand-drawn pictures, real historical pictures, and pictures from museums, the book explains to children the history of humans' fight against diseases and exploration of the human body in an easy-to-understand, witty and humorous language. It is a book worth appreciating and collecting. The book is accompanied with a booklet called "Hilarious Trivia of Our Body That You Do Not Know", which contains trivia of the human body that children will be interested yet surprised to know.

#### About Author:

《手术两百年》主创团队，是中央新影集团下属最重要的一支创作团队，擅长科学人文类纪录片的拍摄制作。

The Major Production Team of "Two Hundred Years of Surgery" is the most important production team under the Central News and Documentary Group that specializes in the shooting and production of scientific and cultural documentaries.



## 艺术可以这么玩

## Have Fun with Art



作者：陈超华、彭瑞文

Author: CHAN Chaowan, PENG Ruiwen

ISBN: 9787302578796

Publication Date: 2021-06-01

Page Count: 140

## About the Book:

本书是启发儿童创造力源泉的艺术实践指导书，全书设计了认知、创造、探索三个关卡，包含12个有趣的任务，让儿童在情境化的学习体验中进行一系列思维活动，包括观察、比较、辨识、归纳、转化、想象、联想等。通过感知、创想、创作、赏析、交流五个环节的引导，儿童可以用自己喜欢的方式自由表达和动手实践，在潜移默化中产生艺术创造力，并将创造力付诸于其他类型的学习和生活中。本书面向4~8岁、零基础的小读者。

This book is a practical guide to inspire children's creativity in art. It consists of 12 interesting tasks in 3 parts, namely cognition, creation and exploration, and allows children to carry out a series of mind activities, including observation, comparison, identification, induction, transformation, imagination, association and so on, in different scenarios. Through the guidance in five aspects including perception, imagination, creation, appreciation and communication, children can express freely and practice art in their favorite way. Gradually, they will be able to develop creativity in art, and apply it in the learning of other subjects and in life. This book is intended for readers aged 4 to 8 with no basic knowledge of art.

## 学习治疗手记

## Learning Therapy



作者：宋少卫

Author: SONG Shaowei

ISBN: 9787302585503

Publication Date: 2021-08-01

Page Count: 348

## About the Book:

很多中小學生都暴露出來不能自主自律學習的很多問題，引起了家長的擔憂。本書結合現實生活中36個具體案例，介紹了學習治療理論、分享作者從金牌家教到學習治療師以來，二十餘年教育教學的經驗和心得、學習治療理論應用和案例分析等。同時，深入淺出地介紹學習治療理論和實踐應用，讓每一個讀者都能看懂、理解和應用學習治療。教師、家長和對學習治療感興趣的學生均可通過本書，改善學習狀態，提高學習成績，建構系統的學習方法。

Many elementary and high school students have shown difficulties in autonomous learning and self-discipline, a problem that worries many parents. This book introduces the theory of learning therapy, shares the author's experience and insights from his more than twenty years of experience in teaching from a gold medal tutor to a learning therapist, discusses the application of the learning therapy theory, and studies 36 cases in real life. It introduces the theory and practice in an in-depth yet easy-to-understand manner so that all readers can understand and apply the learning therapy. Teachers, parents, and students interested in the learning therapy can improve the learning status, enhance academic performance, and develop a systematic approach to learning with this book.

## About Author:

宋少衛，青少年學習心理專家，長期從事學習困難專業研究。

SONG Shaowei is an expert in adolescent learning psychology, and he has been researching learning difficulties for a long time.

## 看不见的竞争力：68个教育细节培养儿童关键能力



## Invisible Competitiveness: 68 Education Details to Cultivate Children's Key Abilities

作者：程笑冉

Author: CHENG Xiaoran

ISBN: 9787302583875

Publication Date: 2021-09-01

Page Count: 292

### About the Book:

本书写在人口政策、教育政策不断深入改革的当下，聚焦如何发挥家长在教育中的主体作用，坚守住孩子学校以外的时间，唤醒孩子的潜能，激起内驱力、意志力，练就学习力、思维力，绘出审美力、想象力、创造力，让深度学习成为现实，让全面成长不再遥远，让孩子从容应对快速变革的未来。

Written at a time when the population policy and education policy are undergoing constant reform, this book focuses on how to let parents play the principal role in children's education, and make full use of their children's time outside of school to unleash their potential, stimulate inner drive and willpower, develop learning and thinking abilities, ability of appreciating beauty, imagination and creative thinking, so that children will be able to master deep learning, achieve all-round growth and cope with the rapid changing future more easily.

### About Author:

程笑冉，儿童教育作家，绘本创作者。儿童家庭美育理念的研究者和推广者。

CHENG Xiaoran is a writer of children's educational books and picture books. She is also a researcher and promoter of family aesthetic education for children.

## 小博士学人工智能与编程

## Learn AI and Programming with Little Robot



作者：陶霖密、陶晃昱

Author: TAO Linmi, TAO Huangyu

ISBN: 9787302583530

Publication Date: 2021-10-01

Page Count: 216

## About the Book:

本书将智能、交互、编程三者结合，融入智能、交互的概念与方法，通过设计与实现游戏、解题、下棋等智能应用实例，学习概念、算法、编程，并培养动手能力。本书分为5个单元。第1、2单元为编程入门和编程进阶，从零开始学编程，通过多个实例介绍现代基于对象的编程方法。第3单元介绍人机交互，通过游戏开发实例，把交互概念融入交互方法的编程实现中。第4、5单元为人工智能和智能算法，从多个角度、用多个实例说明算法模仿智能的活动。本书适用于所有喜欢人工智能的中小學生，无须具有编程基础。

This book incorporates the concepts and methods of intelligence and interaction in programming. Through designing and implementing intelligent applications such as games, problem solving applications, chess, students will learn the concepts, algorithms, programming, and develop hands-on skills. The book is divided into 5 units. Units 1 and 2 are basic and advanced programming to help students learn from scratch, and understand modern object-based programming methods through multiple examples. Unit 3 introduces human-computer interaction and integrates interaction concepts into interactive programming through game development examples. Units 4 and 5 introduce artificial intelligence and intelligent algorithms, and explain how algorithms simulate human intelligence from multiple perspectives and with multiple examples. This book is suitable for all elementary and high school students who enjoy artificial intelligence with or without a basic knowledge of programming.

## About Author:

陶霖密，清华大学副教授，讲授《人机交互理论》、《模式识别》和《信号处理》等课程。

TAO Linmi is Associate Professor at Tsinghua University and teaches courses such as Theories of Human-Computer Interaction, Pattern Recognition and Signal Processing.

## 小学生人工智能——智能摄像头KOI

Artificial Intelligence for  
Elementary School Students:  
Smart Camera KOI

作者：郭躬德、李立慈、冯彦

Author: GUO Gongde, LI Lici, FENG Yan

ISBN: 9787302578451

Publication Date: 2021-06-01

Page Count: 208

## About the Book:

本书分为上、下两册，共26课，其中包括2个综合实践。上册4个单元，分别是程序思维、语音识别、机器视觉和综合实践——垃圾分拣机，从“软件模拟”到“实物操作”，让学生感受到人工智能在生活中的广泛应用。下册4个单元，分别是智能小车、旋转云台、机械手臂和综合实践——无人驾驶小车，以探究性学习和创新思维培养为主线，侧重培养学生的动手能力，强调知识的融合应用与实践，实现“玩中学，做中学”的教学思想。

This book is arranged into 2 volumes, 26 lessons, including 2 comprehensive practice exercises. The 4 units of the first volume are thinking like a programmer, speech recognition, machine vision, and a comprehensive practice to program a garbage sorting machine. From simulation with software to application on physical items, the first volume allows students to feel the extensive application of AI in daily life. The 4 units in the second volume are intelligent car, rotating tripod head, robot arm and a comprehensive practice to program a driverless car. With inquiry-based learning and innovative thinking as the main approach, the second volume emphasizes on cultivating students' hands-on skills and integrated application and practice of different knowledge. It aims to apply the teaching philosophy of "letting students learn from games and practice".

## About Author:

郭躬德，教授，研究领域主要为模式识别与计算智能。

GUO Gongde is a professor who specializes in pattern recognition and computational intelligence.

## 探险MINECRAFT编程世界

Exploring the World of  
Programming in MINECRAFT

作者: 李有翔、袁甫、华柏胜、汪俊

Author: LI Youxiang, YUAN Fu, HUA Bosheng,  
WANG Jun

ISBN: 9787302576242

Publication Date: 2021-08-01 Page Count: 112

## About the Book:

本书通过完成《我的世界》(MINECRAFT)中一个个挑战任务来激发学生学习编程的兴趣和热情,书中的内容以项目制的学习方式推进,根据知识点的难易程度,学习内容分为探究学习和拓展创新,让学生在编程的世界认识数学,运用大小比较进行逻辑判断,学习四则运算;让学生理解坐标的概念,感受方位和距离,进行空间判断和游戏搭建。本书内容的难度随项目逐渐提升,让学生在游戏体验编程的乐趣,同时收获编程技能。本书适合作为8~12岁学生的编程启蒙书籍。

This book inspires students' interest and enthusiasm in learning programming by inviting them to complete multiple tasks in MINECRAFT. The book adopts a project-based learning approach. According to the difficulty, the learning materials are divided into two parts: for inquiry-based learning and for extra innovation. Students will learn mathematics in the world of programming, make logical judgments by comparing sizes, learn the four fundamental operations of arithmetic, understand the concept of coordinates, feel different directions and distance, make spatial judgments and program games. The projects in the book gradually increase in difficulty, allowing students to have fun while also gaining programming skills. This can be an introductory book of programming for students aged 8 to 12.

## About Author:

李有翔,江苏省特级教师,教授信息技术、虚拟世界程序设计、人工智能等课程。

LI Youxiang is a Top-Grade Teacher in Jiangsu Province, who teaches courses such as information technology, virtual world programming and artificial intelligence.

袁甫,小学信息技术教师,常年工作在信息技术教学第一线。

Yuan Fu is a frontline primary school information technology teacher who has been teaching information technology for years.

## 轻松玩转Python少儿编程

Easy Python Programming  
for Kids

作者：刘凤飞

Author: LIU Fengfei

ISBN: 9787302596110

Publication Date: 2022-01-01

Page Count: 224

## About the Book:

本书使用一种所见即所得的绘画方式，让我们快速轻松地学会Python。一边画着图，一边就掌握了Python的语法，同时还能学习编程的3种结构，掌握编程思维。本书将通过控制小海龟监听按键和鼠标操作，制作有趣的小游戏。翻阅本书时不用担心完全不懂编程，本书将会一步一步带你从零基础走向熟练，每行代码都有详细的注释，每个单词都有对应的译文，相信你一定可以自如地运用它。

This book uses a WYSIWYG drawing method to learn Python quickly and easily. While drawing, you will master the syntax of Python, and at the same time learn the 3 structures of programming and master programming thinking. This book will create fun little games by controlling little turtles to monitor keystrokes and mouse actions. Don't worry about not knowing programming at all when you read this book, it will guide you step by step from zero to proficiency. There are detailed explanations for each line of code, and translation for each word. You will be able to master it for sure.

## About Author:

刘凤飞，少儿编程等级考试命题组成员、ICCM国际创意编程挑战赛等赛事评委。

LIU Fengfei Liu is a member of the test designing group for the Children's Programming Tests, and a judge of the ICCM International Creative Programming Challenge.

## Scratch 寻宝之旅

### A Treasure Hunting Journey of Scratch



作者：刘国利、蒋硕挺

Author: LIU Guoli, JIANG Shuoting

ISBN: 9787302576648

Publication Date: 2021-08-01

Page Count: 240

#### About the Book:

本书将图形化编程知识的讲解与实战合为一体，从编程的基础概念到顺序、分支、循环结构，从键盘、鼠标控制角色到角色与角色之间的互动，从变量到列表再到自制积木，由易到难、由浅入深地讲解了Scratch所有模块的相关知识。在知识讲解之后，设置了大量的案例实战部分。

This book covers both the theory and practice of graphical programming. From the basic concepts of programming to sequence, branch and loop structures, from keyboard and mouse control of characters to interaction between characters, from variables to lists to homemade blocks, this book explains all modules of Scratch step by step from the easiest ones to the most difficult, followed by a large number of practice exercises.

#### About Author:

刘国利，教育技术学（师范类）专业，在少儿编程类课程以及成人编程课程方面，具有非常丰富的教学经验。

LIU Guoli, majored in Educational Technology, has rich experience in teaching programming classes for children and also for adults.



## 呆呆鸟儿童编程——在游戏中学习



## Dummy Bird's Programming Guide for Kids: Learning from Games

作者：王向辉、陈峰

Author: WANG Xianghui, CHEN Feng

ISBN: 9787302586883

Publication Date: 2021-09-01

Page Count: 380

### About the Book:

本书介绍了基于C# 语言的代码编程方法。针对6~16 岁的儿童，将枯燥的代码编程转变为86 个有趣的游戏关卡，让儿童在探索中学习编程知识。书中所涉及的编程内容包括命令、函数、循环、判断、算法、变量、属性、初始化、参数和数组等，全面覆盖儿童编程所需掌握的知识点。

This book introduces code programming approaches based on the C# language. Aimed at children aged 6 to 16, the book transforms the boring code programming into 86 interesting game levels, which allow children to learn programming through exploration. The book covers everything for children to master programming, including commands, functions, loops, judgments, algorithms, variables, properties, initialization, parameters and arrays.

### About Author:

王向辉，哈尔滨工程大学教师，主要研究方向为嵌入式系统、P2P网络和信息安全。

WANG Xianghui is a teacher at Harbin Engineering University. His main research interests are embedded system, P2P network and information security.



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