

图书基本信息

书名：<<中国至2050年能源科技发展路线图>>

13位ISBN编号：9787030256522

10位ISBN编号：7030256522

出版时间：1970-1

出版时间：科学出版社

作者：陈勇

页数：107

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

内容概要

As one of the eighteen field-specific reports comprising the comprehensive scope of the strategic general report of the Chinese Academy of Sciences, this sub-report addresses long-range planning for developing science and technology in the field of energy science. They each craft a roadmap for their sphere of development to 2050. In their entirety, the general and sub-group reports analyze the evolution and laws governing the development of science and technology, describe the decisive impact of science and technology on the modernization process, predict that the world is on the eve of an impending S&T revolution, and call for China to be fully prepared for this new round of S&T advancement. Based on the detailed study of the demands on S&T innovation in China's modernization, the reports draw a framework for eight basic and strategic systems of socio-economic development with the support of science and technology, work out China's S&T roadmaps for the relevant eight basic and strategic systems in line with China's reality, further detail S&T initiatives of strategic importance to China's modernization, and provide S&T decision-makers with comprehensive consultations for the development of S&T innovation consistent with China's reality. Supported by illustrations and tables of data, the reports provide researchers, government officials and entrepreneurs with guidance concerning research directions, the planning process, and investment. Founded in 1949, the Chinese Academy of Sciences is the nation's highest academic institution in natural sciences. Its major responsibilities are to conduct research in basic and technological sciences, to undertake nationwide integrated surveys on natural resources and ecological environment, to provide the country with scientific data and consultations for government's decision-making, to undertake government-assigned projects with regard to key S&T problems in the process of socio-economic development, to initiate personnel training, and to promote China's high-tech enterprises through its active engagement in these areas.

书籍目录

Abstract1 Research Framework on Energy Science& Technology Roadmap 1.1 Basic Framework of Energy Roadmap 1.2 Basic Principles and Preparation Process of the Energy Roadmap2 Trend and Key Issues of China's Energy Development to 2050 2.1 China's Modernization and Energy Development 2.2 Development Trend of China's Energy Demand to 2050 2.3 Key Issues Concerning about Chinese Energy Development to 20503 Important Science & Technology Issues and Technical Direction of China's Energy Development to 2050 3.1 Important Science & Technology Issues of China's Energy Development 3.2 The Key Technological Directions of China's Energy Development4 Roadmap of China's Important Energy Technology Development to 2050 4.1 The Highly-efficient Non-fossil-fuel Ground Transportation Technology 4.2 The Clean and High-added-value Coal Utilization Technology 4.3 The Power System Security and Stability Technology 4.4 The Biomass Liquid Fuel and Raw Material Technology 4.5 Large-scale Power Generation Technology from Renewable Energy Resources 4.6 Enhanced Geothermal Systems Technology for Deep Geothermal Resources 4.7 Hydrogen Utilization Technology 4.8 Natural Gas Hydrate (NGH) Development and Utilization Technology 4.9 The New Nuclear Power and Nuclear Waste Treatment Technology 4.10 The Potential Energy Technology5 General Deployment of Innovative Energy Science & Technology in China to 2050 ~ 5.1 General Deployment of China's Innovative Energy Science & Technology 5.2 Time Sequence of Energy Technology Application in China6 Support System of China's Energy Science & Technology Roadmap to 2050ReferencesEpilogue

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>