

《碳纳米管和石墨烯（英文版）》

图书基本信息

书名：《碳纳米管和石墨烯（英文版）》

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内容概要

新型碳纳米材料是纳米材料领域研究的热点问题，近十几年来突飞猛进。石墨烯自从2010年获得诺贝尔奖后，更是异军突起，备受关注，也使人们对碳纳米材料的研究更加热衷，并取得了丰硕的成果。本书较为系统地总结和归纳了作者的相关研究成果，介绍了新型碳纳米材料，尤其是碳纳米管、石墨烯等的制备工艺、生长机理、相关特性以及实际应用等。

本书以全英文出版，向国内的高年级本科生、研究生、留学生以及相关科技工作者提供最新的碳纳米管和石墨烯研究成果，以期成为新型碳纳米材料——碳纳米管和石墨烯比较全面系统的技术参考资料。

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作者简介

Dr. Zhao Tingkai is a professor of materials science and engineering at Northwestern Polytechnical University (NPU) in Xi'an, China. He received his PhD degree from Xi'an Jiaotong University (XJTU, China) in 2005 and studied as a postdoctoral research fellow at XJTU from 2005 to 2007, and visited Northwestern University (Evanston, USA) and University of Oxford (Oxford, UK) as visiting scholar. His research group mainly investigates the synthesis, structure and performance of advanced carbon materials such as carbon nanotubes (especially amorphous carbon nanotubes), graphene, carbon foam as well as pitch modification, and their applications on solar cell, lithium ion battery, electrochemical devices and military fields. He has also contributed to the area of non-ferrous metals hydrometallurgy.

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