

<<贮氢合金的制备技术和电化学性能>>

图书基本信息

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## <<贮氢合金的制备技术和电化学性能>>

### 内容概要

贮氢材料因其能可逆地大量吸收和放出氢气，在氢的储存与输送过程中充当一种重要载体，加之氢与贮氢材料均是“绿色”环保产品，因此备受全世界各国的高度重视。

金属氢化物、碳纤维、碳纳米管以及某些有机液体都是优良的贮氢材料，特别是金属氢化物，不仅是一种优良的贮氢材料，而且还是一种新型功能材料，可用于电能、机械能、热能和化学能的转换与储存，具有广泛的应用前景。

因此，金属氢化物技术，包括材料开发以及应用技术的研究，近年来受到包括我国在内的世界各国的广泛重视，得到了迅速的发展。

我国在“863”高新技术发展规划、“973”计划以及国家自然科学基金指南中，都把贮氢材料作为重点研究领域之一。

钢铁研究总院功能材料研究所近年来在国家“863”及国家自然科学基金多个项目的资助下，对各种贮氢材料开展了较深入的研究，取得了一些有特色的研究成果，为了加速我国贮氢材料的研究与产业化赶超世界先进水平以及加强与同行的交流，特整理出版了本书。

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