金属学报 1997, 33(1) 85-89 DOI: ISSN: 0412-1961 CN: 21-1139/TG

论文

高技术时代的钛合金材料技术发展战略及对策剖析

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摘要： 本文剖析了美国、日本、西欧各国的钛合金材料技术的发展战略及对策，并指出值得借鉴的成功经验和失败的教训在此基础上，从我国钛合金材料技术的发展现状出发，并以“科教兴国”的总战略和“尽快实现社会主义现代化建设”的总战略目标为指导，提出我国钛合金材料技术应以“既要推进传统钛合金材料和产业改造，又要发展有独创性的自立的高技术钛合金材料，迎头赶上世界新材料和产业革命”的发展战略目标为实现发展战略目标，还提出了相应的对策

关键词： 高技术 钛合金材料技术 战略 对策

AN ANALYSIS OF DEVELOPING STRATEGIES AND MEASURES OF TITANIUM BASED MATERIALS IN THE HIGH-TECHNOLOGY ERA

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Abstract: The attractiveness of the science and technology of titanium based materials makes them an important and fundamental levering factor in the high-technology era. Competition in the technology of titanium based materials has become increasingly severe with the worldwide high-technology development. This paper analyses the developing strategies and measures adopted to develop titanium based materials by the United States, Japan and Western Europe, and summarizes their successful experiences and lessons to be 1earned. On the basis of this analysis and by taking into account the status quo of China, the strategic goals and appropriate measures for the development of titanium science and technol0gy in China are proposed within the framework of the general strategies of "strengthening by science and education" and "rapid modernization". It is suggested that the traditional titanium based industries should be innovated along with the development of an independent and self sustaining industry of high-technology titanium based materials. The measures that should be adopted to realize these goals are discussed in detail.

Keywords: high-technology titanium materials technology strategy measure

收稿日期 1997-01-18 修回日期 1997-01-18 网络版发布日期

DOI:

基金项目:

通讯作者:

作者简介:

作者Email:

参考文献：

本刊中的类似文章