

<<2006高氮钢国际会议论文集>>

图书基本信息

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作者：董瀚，苏杰，（德）司拜德 编

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内容概要

本文集及时反映了近两年来国际材料界在高氮不锈钢研究和技术开发方面的新进展、新成果、新动态。

全书内容包括：高氮不锈钢的冶炼和加工；氮的固溶与析出的理论和控制；马氏体高氮不锈钢；双相高氮不锈钢；奥氏体不锈钢；高氮不锈钢的应用。

书籍目录

Plenary Session Atomic Interactions and Mechanisms of Strengthening in Nitrogen Steels Microstructure and Properties of High Nitrogen Stainless Steels Nitrogen Containing Austenitic Stainless Steels Nitrogen in Stainless Steels: A Thermodynamic Approach Microstructure and Mechanism Effects of Nitrogen in Type 347 Stainless Steel during Long-term Service at High Temperatures Current Research Activities of ISIJ-HNS Research Group in Japan Effect of Temperature on Tensile Behaviour and Microstructural Comparative Study of Nitrogen and Carbon Effects on Mechanism of Reversion of α -Martensite to Austenite in Metastable AISI 301 Steel Grades Study on Precipitation in 1Cr22Mn15N Stainless Steel Effect of Precipitates on Mechanical Properties and Corrosion Resistance of a 2205 Duplex Stainless Steel Plate Research of the Ductile to Brittle Transition of High Nitrogen Stainless Steel Precipitation in High Nitrogen Duplex Stainless Steels Precipitation Behavior in Fe-18Cr-18Mn-0.43N High-Nitrogen Austenitic Stainless Steel The Effect of Interstitial Impurity Content on the Parameters of Plastic Deformation Localization of Austenitic Steel Monocrystals Effect of Solution Temperature on Microstructure and Mechanical Properties of 00Cr25Ni7Mo4N Study of the Properties of High-Nitrogen Stainless Steel 1Cr18Mn18N Alloy Development and Mechanical Properties Characterizing High Interstitial Concentrations in Stainless Steels Development and Use of 4563, A High Nitrogen Superaustenitic Micro-Deformation Behavior and Damage Mechanisms in Super Duplex Stainless Steels Grain Refinement by Phase Transformations in Nickel-free High Nitrogen Austenitic Steel.....Application and Welding Process Surface Modification

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