

"Tetsu-to-Hagané"

Vol. 64, No 5, April, 1978

Contents

Technical Papers

- Measurements on the Densities and the Surface Tensions of Molten Alkali Metal and Alkali Earth Metal Fluorides.....K. OGINO and S. HARA... 523
- Deforming Behaviors of a Water Droplet Impinging onto Hot Metal Surfaces.....A. MORIYAMA and K. ARAKI... 533
- On the Structure of Chromium Oxide Film on the Surface of TinplateS. MAEDA, H. OMATA, and H. ASANO... 539
- On Formability Control Factors of Low-Interstitial 18Cr-Mn Ferritic Stainless Steel.....S. KADO, T. YAMAZAKI, T. SAKAMOTO, Y. NAKAGAWA, M. TAUMI, S. IZUMI, T. ASHIURA, and S. UCHIDA... 548
- Acoustic Emission Study on Hydrogen-Induced Delayed Cracking Propagation in High Strength SteelY. KIUTA, S. OCHIAI, and T. IRIE... 558
- Nucleation Sites of Austenite from Lath Martesites in Fe-0.2%C-X AlloysI. TAMURA, Y. NARIYOSHI, S. SHIMOOKA, and Y. NAKAJIMA... 568
- Increase of Delayed Failure Strength by Partial Unloading MethodK. NAKASA, M. KIDO, and H. TAKEI... 578
- The Effect of High-Temperature Solution Treatment on the Toughness of 10Ni High-Toughness Ultra-High Strength Steel.....H. YADA and S. ANRAKU... 585
- $\alpha' \rightarrow \gamma$ Reverse Transformation in an 18%Ni Maraging SteelK. HOSOMI, Y. ASHIDA, H. HATA, R. ATAGI, K. ISHIHARA, and H. NAKAMURA... 595
- Strengthening and Toughening of Maraging Steel Over 280 kg/mm²S. MUNEKI, Y. KAWABE, K. NAKAZAWA, and H. YAJI... 605
- Hydrogen Permeation through Iron, Nickel and Heat Resisting Alloys at Elevated Temperatures.....K. MASUI, H. YOSHIDA, and R. WATANABE... 615
- Measurement of the Grain Size by X-ray DiffractionK. HOSHINO, K. ITO, T. FUJIOKA, H. MARUYAMA, H. ARAKI, and S. KUMAZAWA... 621
- X-ray Fluorescence Spectrometric Determination of Microamounts of Sulfur in Iron and Steel by the Glass Bead Sample TechniqueK. NARITA, M. TANIGUCHI, N. OTA, N. KOTANI, and T. GOTO... 631
- On the Determination of Boron Nitride in Steel by Means of Electrolytic Extraction-Infrared SpectrometryY. YOSHIDA, Y. FUNAHASHI, and Y. KAMINO... 640

Commentary

- The Current Situation and Problems of the Production of Ferro-Alloys in Japan.....W. NARUSE... 650

Letter

- Commencement of the Development Work of Jet Engines in the Last WartimeO. NAGANO... 659

- Letter to the EditorK. SANO... 664

Report

- Establishment of Iron and Steel Institute of Japan- Iron and Steel Technical Information Center 666

-
- Abstracts.....670, JISTIC News.....678, Notice to MembersN43
- Proceedings of the InstituteN55
-

Overseas membership: Annual charges: ¥6000 (incl. postage) Initiation fee: ¥600