

"Tetsu-to-Hagané"

Vol. 65 No. 13, November, 1979

Contents

Technical Papers

The Latent Hydraulic Property of Granulated Blast Furnace Slag by Various Activators	R. KONDO, C. T. SONG, S. GOTO, and M. DAIMON...1825
Numerical Analysis on the Gas-Phase Mass Transfer between an Impinging Jet of Gas and a Liquid Iron	S. TANIGUCHI, A. KIKUCHI, T. TADAKI, and S. MAEDA...1830
Dephosphorization Reaction by Sodium Carbonate and Sodium Sulfate	R. INOUE and H. SUITO...1838
On the Simultaneous Dephosphorization and Desulfurization of Carbon-Saturated Iron by Sodium Carbonate and Sodium Sulfate Flux	H. SUITO, A. ISHIZAKA, R. INOUE, and Y. TAKAHASHI...1848
On the Dephosphorization of Carbon-Saturated Iron by Calcium Sulfate Flux	R. INOUE and H. SUITO...1858
Influence of Ingots Design on the Homogeneity and Soundness in Large Flat Ingots	K. KINOSHITA, H. KITAOKA, S. OKANO, and T. EMI...1868
Hydration Behavior of LD Slag at Autoclave Test	A. OKAMOTO, E. FUTAMURA, and K. KAWAMURA...1878
Effect of Cu Content on the Hardenability, Strength and Toughness of Ni-Cr-Mo-V Steels	I. MASAOKA, I. TAKASE, and R. SASAKI...1887
Low Temperature Toughness of Carbon free-11Ni-Mo Steels	K. NAGAI, K. SHIBATA, and T. FUJITA...1896
The Effects of Ni and Co on Microstructures and High Temperature Properties of 10Cr-2Mo Heat Resisting Steels.....	K. YAMASHITA and T. FUJITA...1906
As-rolled Dual Phase Steel with Good Ductility and High Strength	K. KUNISHIGE, M. TAKAHASHI, S. SUGISAWA, and Y. MASUI...1916
Intergranular Segregation and the Resultant Embrittlement in P-doped 2.25 wt% Cr Steels with Variations in Mo and C Contents	T. NAKAMURA, T. SHINODA, and H. WATANABE...1926
Effect of Microstructure on Charpy Impact Properties in 80 kg/mm ² Grade Low Carbon High Tensile Strength Steel	T. KAZINO and T. KOBAYASHI...1936
Irradiation Effects in Iron Whisker	A. ŌKURA, J. INAGAKI, Y. TERASAWA, and E. NAKATA...1946
Crevice Corrosion Test Method for Stainless Steel	M. KOWAKA, H. NAGANO, and E. SUZUKI...1953
Technical Topic	
Man and Robot.....	S. MATSUBARA...1963
Report	
The 1978 Annual Conference of the Chinese Society of Metals (in Beijing)	T. SŌMA...1972
Brief Report on METEC '79.....	M. SHIBATA...1974
Abstracts.....	1976, Notice to MembersN251,
Proceedings of the Institute.....	N266

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

© The Iron and Steel Institute of Japan, 1979