

Contents

Fundamentals of High Temperature Processes

Coanda Effect on Bubbling Jet in a Mercury Bath

K. SASAKI and M. IGUCHI292

Steelmaking

Effect of Initial [Si] Content on the Lime Efficiency on the Dephosphorization

N. SASAKI, K. NAITO, Y. DEMOTO and S. KITAMURA300

Deoxidation of Molten Iron with Magnesium Vapour Produced *In-situ* by Aluminothermic Reduction of

Magnesia/J. SHAN, K. OKUMURA, M. KUWABARA and M. SANO306

Instrumentation, Control and System Engineering

Estimation of Rolling Parameters by Signal Processing of Measured Data

K. KONDO and T. KUBO314

Chemical and Physical Analysis

Development of Sample Preparation Techniques for Analyses of Trace Elements in Steel (Review)

K. FUJIMOTO, M. SHIMURA and S. SATOH285

Calibration of Dilute Moisture Meter by Coulometry (Note)

N. KATOH355

Surface Treatment and Corrosion

Analysis of Chemical State for Alloying Elements in Iron Rust

T. NISHIMURA and T. KODAMA320

Mechanical Properties

Creep Damage Development of a 1.25Cr-0.5Mo Steel Weldment Exposed to Long Term Service

S. FUJIBAYASHI, T. OHTSUKA and T. ENDO326

Measurement and Analysis of Work Hardening of Sheet Steels Subjected to Plane-strain Tension

T. KUWABARA and S. IKEDA334

Social and Environmental Engineering

Behavior of Fluorine Dissolution from Hot Metal Pretreatment Slag

H. SUIITO and R. INOUE340

Immobilization of Fluorine Dissolved from Hot Metal Pretreatment Slag

R. INOUE and H. SUIITO347

ISIJ International, Vol.42 (2002), No.6, Synopses and Titles

A14
